

REKAPITULASI

Instansi : Program Penunjang Urusan Pemerintah Daerah/Kota  
Pekerjaan : Peningkatan Pelayanan BLUD  
Alamat : Belanja Jasa Konultasi Perencanaan Pembangunan Ruang Hemodialisis RSUD  
Sumber Dana : Kalampangan, Kota Palangka Raya  
Thn. Angg. : 2024

| NOMOR | URAIAN PEKERJAAN                             | JUMLAH HARGA     | KET. |
|-------|----------------------------------------------|------------------|------|
|       |                                              | (Rp)             |      |
| (1)   | (2)                                          | (3)              | (4)  |
|       |                                              |                  |      |
| 1     | PEKERJAAN PENDAHULUAN                        | 70.245.247,24    |      |
| A     | GEDUNG                                       |                  |      |
| 2     | PEKERJAAN TANAH                              | 235.225.728,03   |      |
| 3     | PEKERJAAN BETON                              | 1.130.494.418,77 |      |
| 4     | PEKERJAAN DINDING DAN PLESTERAN              | 454.507.443,65   |      |
| 5     | PEKERJAAN ATAP                               | 299.434.702,51   |      |
| 6     | PEKERJAAN PLAFOND                            | 174.856.203,95   |      |
| 7     | PEKERJAAN PENUTUP LANTAI DAN DINDING         | 265.281.347,12   |      |
| 8     | PEKERJAAN KUSEN, PINTU DAN JENDELA           | 211.850.574,52   |      |
| 9     | PEKERJAAN SANITARY                           | 242.289.964,37   |      |
| 10    | PEKERJAAN PENGECATAN                         | 140.546.919,64   |      |
| 11    | PEKERJAAN ELEKTRIKAL DAN GAS MEDIS           | 485.263.602,15   |      |
| 12    | PEKERJAAN LAIN-LAIN                          | 181.136.904,11   |      |
| B     | SELASAR                                      |                  |      |
| 13    | PEKERJAAN TANAH                              | 71.482.816,36    |      |
| 14    | PEKERJAAN BETON                              | 822.010.842,06   |      |
| 15    | PEKERJAAN PLESTERAN                          | 5.972.483,86     |      |
| 16    | PEKERJAAN ATAP                               | 333.362.735,38   |      |
| 17    | PEKERJAAN PLAFOND                            | 205.974.511,15   |      |
| 18    | PEKERJAAN PENUTUP LANTAI DAN DINDING         | 112.530.008,16   |      |
| 19    | PEKERJAAN PENGECATAN                         | 6.963.826,02     |      |
| 20    | PEKERJAAN ELEKTRIKAL                         | 19.785.582,10    |      |
|       |                                              |                  |      |
|       |                                              |                  |      |
|       |                                              |                  |      |
| (A).  | JUMLAH HARGA PEKERJAAN                       | 5.469.215.861,16 |      |
| (B).  | PAJAK PERTAMBAHAN NILAI (PPN) = 11/100 x (A) | 601.613.744,73   |      |
| (C).  | TOTAL HARGA (A + B)                          | 6.070.829.605,89 |      |
| (D).  | DIBULATKAN                                   | 6.070.830.000,00 |      |

TERBILANG : Enam Milyar Tujuh Puluh Juta Delapan Ratus Tiga Puluh Ribu Rupiah

KUASA PENGGUNA ANGGARAN,  
RSUD PALANGKA RAYA

dr. ABRAM SIDI WINASIS

NIP. 19760824 200801 1 022

REKAPITULASI HPS.

PEKERJAAN : PEMBANGUNAN MASJID KUBAH KECUBUNG ( LANJUTAN XI )  
LOKASI : KOTA PALANGKA RAYA  
TAHUN : 2025

| NO   | Jenis Barang/Jasa                 | Jumlah Harga |                  |
|------|-----------------------------------|--------------|------------------|
| I    | PENDAHULUAN DAN PERSIAPAN         | Rp           | 20.182.268,50    |
| II   | PENERAPAN SMKK                    | Rp           | 12.405.000,00    |
| III  | BOX CURVERT GERBANG MASUK (TIMUR) | Rp           | 88.228.286,24    |
| IV   | JALAN LINGKUNGAN MASJID           | Rp           | 2.160.868.239,31 |
| V    | GERBANG TIMUR (MASUK)             | Rp           | 531.136.199,87   |
| VI   | GERBANG SELATAN (KELUAR)          | Rp           | 387.864.039,73   |
| VII  | PONDASI PAGAR                     | Rp           | 118.513.126,99   |
| VIII | PEKERJAAN PEDESTRIAN DAN TANAMAN  | Rp           | 424.272.576,46   |
| IX   | PEKERJAAN PENATAAN HALAMAN        | Rp           | 2.756.537.424,64 |
|      | JUMLAH PEKERJAAN                  | Rp           | 6.500.007.161,75 |
|      | JUMLAH DIBULATKAN                 | Rp           | 6.500.000.000,00 |
|      |                                   |              |                  |

Palangka Raya, 13 Januari 2024  
Ditetapkan Oleh:  
Kepala Bidang Prasarana, Sarana dan Utilitas Umum (PSU)  
Dinas Perumahan Rakyat, Kawasan Permukiman dan  
Pertanahan Kota Palangka Raya  
Selaku Kuasa Pengguna Anggaran (KPA)



DEDDY SUDJANTO TRILEKSONO, ST  
Pembina (IV/a)  
NIP. 19760302 200212 1 005

# HARGA PERKIRAAN SENDIRI (HPS)

PEKERJ : PEMBANGUNAN MASJID KUBAH KECUBUNG ( LANJUTAN XI )

LOKASI : KOTA PALANGKA RAYA

TAHUN : 2025

| NO  | JENIS BARANG/JASA                                      | ANALISA   | SAT  | VOLUME   | HARGA SATUAN HPS   | JUMLAH HARGA HPS           |
|-----|--------------------------------------------------------|-----------|------|----------|--------------------|----------------------------|
| I   | <b>PENDAHULUAN DAN PERSIAPAN</b>                       |           |      |          |                    |                            |
|     | 1. Papan nama proyek                                   | Ls        | Bh   | 1,00     | Rp 422.268,50      | Rp 422.268,50              |
|     | 2. Mobilisasi dan Demobilisasi Alat                    | Ls        | Ls   | 1,00     | Rp 19.760.000,00   | Rp 19.760.000,00           |
|     |                                                        |           |      |          | <b>JUMLAH I.</b>   | <b>Rp 20.182.268,50</b>    |
| II  | <b>PENERAPAN SMK</b>                                   |           |      |          |                    |                            |
| B   | APK, antara lain :                                     |           |      |          |                    |                            |
| 1   | Pembatas area (Restricted Area)                        | Ls        | Roll | 1,00     | Rp 125.000,00      | Rp 125.000,00              |
| D   | APD, antara lain:                                      |           |      |          |                    |                            |
| 1   | Topi Pelindung (Safety Helmet) ;                       | Ls        | Bh   | 10,00    | Rp 75.000,00       | Rp 750.000,00              |
| 2   | Pelindung Pernafasan Dan Mulut (Masker);               | Ls        | Bh   | 10,00    | Rp 5.000,00        | Rp 50.000,00               |
| 3   | Sarung Tangan (Safety Gloves);                         | Ls        | Psg  | 10,00    | Rp 20.000,00       | Rp 200.000,00              |
| 5   | Sepatu Keselamatan (Rubber Safety Shoes and toe cap)   | Ls        | Psg  | 10,00    | Rp 175.000,00      | Rp 1.750.000,00            |
| 7   | Rompi Keselamatan (Safety Vest);                       | Ls        | Bh   | 10,00    | Rp 70.000,00       | Rp 700.000,00              |
| E   | Asuransi dan perizinan:                                |           |      |          |                    |                            |
| F   | Personel Keselamatan Konstruksi:                       |           |      |          |                    |                            |
| 1   | Petugas Keselamatan Konstruksi, Petugas K3 Konstruksi  | Ls        | Org  | 1,00     | Rp 3.330.000,00    | Rp 3.330.000,00            |
| G   | Fasilitas Sarana, Prasarana, dan Alat Kesehatan:       |           |      |          |                    |                            |
| 1   | Peralatan P3K (Kotak P3K, dan obat obatan)             | Ls        | set  | 1,00     | Rp 1.000.000,00    | Rp 1.000.000,00            |
| H   | Rambu dan Perlengkapan Lalu Lintas:                    |           |      |          |                    |                            |
| 1   | Rambu petunjuk                                         | Ls        | Bh   | 3,00     | Rp 300.000,00      | Rp 900.000,00              |
| 2   | Rambu larangan                                         | Ls        | Bh   | 3,00     | Rp 300.000,00      | Rp 900.000,00              |
| 3   | Rambu peringatan                                       | Ls        | Bh   | 3,00     | Rp 300.000,00      | Rp 900.000,00              |
| 4   | Rambu kewajiban                                        | Ls        | Bh   | 3,00     | Rp 300.000,00      | Rp 900.000,00              |
| 5   | Rambu informasi                                        | Ls        | Bh   | 3,00     | Rp 300.000,00      | Rp 900.000,00              |
|     |                                                        |           |      |          | <b>JUMLAH II.</b>  | <b>Rp 12.405.000,00</b>    |
| III | <b>BOX CURVERT GERBANG MASUK (TIMUR)</b>               |           |      |          |                    |                            |
|     | <b>A. PEK. TANAH</b>                                   |           |      |          |                    |                            |
|     | 1. Galian Tanah                                        | 1.2.1.1.1 | m3   | 21,00    | Rp 125.235,00      | Rp 2.629.935,00            |
|     | 2. Urugkan pasir bawah pondasi                         | 1.3.1.2   | m3   | 0,70     | Rp 353.625,00      | Rp 247.537,50              |
|     | 3. Lantai kerja                                        | 2.2.1.4.1 | m3   | 0,70     | Rp 1.510.890,23    | Rp 1.057.623,16            |
|     | <b>B. PEK STRUKTUR</b>                                 |           |      |          |                    |                            |
|     | 1. Pembesian lantai atas dan bawah                     | 2.2.1.1.3 | kg   | 1.661,76 | Rp 18.050,40       | Rp 29.995.346,06           |
|     | 2. Pembesian dinding                                   | 2.2.1.1.3 | kg   | 810,11   | Rp 18.050,40       | Rp 14.622.731,21           |
|     | 3. bekisting lantai bawah                              | 2.2.1.3.3 | m2   | 5,10     | Rp 271.800,20      | Rp 1.386.181,02            |
|     | 4. bekisting lantai atas                               | 2.2.1.3.6 | m2   | 9,80     | Rp 327.340,60      | Rp 3.207.937,88            |
|     | 5. bekisting dinding                                   | 2.2.1.3.3 | m2   | 40,04    | Rp 271.800,20      | Rp 10.882.880,01           |
|     | 6. beton f'c 20 mpa                                    | 2.2.1.4.5 | m3   | 14,70    | Rp 1.646.130,23    | Rp 24.198.114,40           |
|     |                                                        |           |      |          | <b>JUMLAH III.</b> | <b>Rp 88.228.286,24</b>    |
| IV  | <b>JALAN LINGKUNGAN MASJID</b>                         |           |      |          |                    |                            |
|     | <b>A. Pekerjaan Tanah</b>                              |           |      |          |                    |                            |
|     | 1. Galian Tanah                                        | 1.2.1.1.1 | m3   | 120,80   | Rp 125.235,00      | Rp 15.128.388,00           |
|     | 2. Urugkan Kembali bekas galian                        | 1.3.1.1   | m3   | 54,36    | Rp 83.375,00       | Rp 4.532.265,00            |
|     | <b>B. STRUKTUR Dinding Penahan Tanah (DPT) / Sloof</b> |           |      |          |                    |                            |
|     | 1. Urugan pasir bawah lantai kerja                     | 1.3.1.2   | m3   | 14,50    | Rp 353.625,00      | Rp 5.127.562,50            |
|     | 2. Lantai kerja beton tumbuk                           | 2.2.1.4.1 | m3   | 14,50    | Rp 1.510.890,23    | Rp 21.907.908,36           |
|     | 3. Pekerjaan Beton f'c 20 mpa                          | 2.2.1.4.5 | m3   | 173,90   | Rp 1.646.130,23    | Rp 286.262.047,25          |
|     | 4. Pekerjaan Pembesian                                 | 2.2.1.1.3 | Kg   | 9.344,26 | Rp 18.050,40       | Rp 168.667.558,14          |
|     | 5. Pekerjaan Begisting                                 | 2.2.1.3.3 | m2   | 401,50   | Rp 271.800,20      | Rp 109.127.780,30          |
|     | <b>C. Lapisan badan Jalan</b>                          |           |      |          |                    |                            |
|     | 1. Lapis Pondasi Agregat Kelas A                       | 6.1.(1)   | m3   | 637,76   | Rp 1.083.725,48    | Rp 691.154.592,03          |
|     | 2. Pekerjaan Lapis Perekat - Aspal Cair/Emulsi         | 6.1 (2a)  | Ltr  | 2.071,26 | Rp 24.477,24       | Rp 50.698.760,69           |
|     | 3. Pekerjaan Lataston Lapis Pondasi (HRS-WC)           | 6.3(3)    | Ton  | 372,83   | Rp 2.052.091,40    | Rp 765.075.225,80          |
|     | <b>D. Kanstin</b>                                      |           |      |          |                    |                            |
|     | 1. Pekerjaan Pengecatan Kanstin dan pot tanaman        | 3.8.10b   | m2   | 550,00   | Rp 78.520,28       | Rp 43.186.151,25           |
|     |                                                        |           |      |          | <b>JUMLAH III.</b> | <b>Rp 2.160.868.239,31</b> |

| NO        | JENIS BARANG/JASA                                               | ANALISA   | SAT | VOLUME   | HARGA<br>SATUAN HPS | JUMLAH HARGA<br>HPS      |
|-----------|-----------------------------------------------------------------|-----------|-----|----------|---------------------|--------------------------|
| <b>V</b>  | <b>GERBANG TIMUR (MASUK)</b>                                    |           |     |          |                     |                          |
|           | <b>A. Pekerjaan Tanah</b>                                       |           |     |          |                     |                          |
|           | 1. Pekerjaan Pasangan Bowplank                                  | 1.1.4.2   | m   | 40,00    | Rp 54.704,35        | Rp 2.188.174,00          |
|           | 2. Galian Tanah                                                 | 1.2.1.1.1 | m3  | 12,00    | Rp 125.235,00       | Rp 1.502.820,00          |
|           | 3. Urugkan Kembali bekas galian                                 | 1.3.1.1   | m3  | 3,00     | Rp 83.375,00        | Rp 250.125,00            |
|           |                                                                 |           |     |          |                     |                          |
|           | <b>B. Pekerjaan Struktur</b>                                    |           |     |          |                     |                          |
|           | 1. Pekerjaan Pondasi                                            |           |     |          |                     |                          |
|           | a. Lantai kerja beton tumbuk                                    | 2.2.1.4.1 | m3  | 0,60     | Rp 1.510.890,23     | Rp 906.534,14            |
|           | b. Fotplat beton f'c 20 mpa                                     | 2.2.1.4.5 | m3  | 4,80     | Rp 1.646.130,23     | Rp 7.901.425,11          |
|           | c. Pembesian Fotplat                                            | 2.2.1.1.3 | Kg  | 177,55   | Rp 18.050,40        | Rp 3.204.884,62          |
|           | d. Begisting fotplat                                            | 2.2.1.3.1 | m2  | 9,60     | Rp 228.321,00       | Rp 2.191.881,60          |
|           | 2. Pekerjaan Sloop 30/40                                        |           |     |          |                     |                          |
|           | a. Sloop beton f'c 20 mpa                                       | 2.2.1.4.5 | m3  | 3,36     | Rp 1.646.130,23     | Rp 5.530.997,58          |
|           | b. Pembesian Sloop                                              | 2.2.1.1.3 | Kg  | 272,51   | Rp 18.050,40        | Rp 4.918.904,40          |
|           | c. Begisting Sloop                                              | 2.2.1.3.3 | m2  | 11,20    | Rp 271.800,20       | Rp 3.044.162,24          |
|           | 3. Pekerjaan Kolom 40/40                                        |           |     |          |                     |                          |
|           | a. Kolom beton f'c 20 mpa                                       | 2.2.1.4.5 | m3  | 15,36    | Rp 1.646.130,23     | Rp 25.284.560,36         |
|           | b. Pembesian kolom                                              | 2.2.1.1.3 | Kg  | 1.919,14 | Rp 18.050,40        | Rp 34.641.241,77         |
|           | c. Begisting kolom                                              | 2.2.1.3.4 | m2  | 76,80    | Rp 272.834,05       | Rp 20.953.655,04         |
|           | 4. Pekerjaan Balok uk. 25/50                                    |           |     |          |                     |                          |
|           | a. Balok beton f'c 20 mpa                                       | 2.2.1.4.5 | m3  | 5,00     | Rp 1.646.130,23     | Rp 8.230.651,16          |
|           | b. Pembesian balok                                              | 2.2.1.1.3 | Kg  | 789,12   | Rp 18.050,40        | Rp 14.243.931,65         |
|           | c. Begisting balok                                              | 2.2.1.3.5 | m2  | 50,00    | Rp 286.578,85       | Rp 14.328.942,50         |
|           | 5. Pekerjaan Atap dag beton tebal 10 cm                         |           |     |          |                     |                          |
|           | a. Pelat beton f'c 20 mpa                                       | 2.2.1.4.5 | m3  | 2,80     | Rp 1.646.130,23     | Rp 4.609.164,65          |
|           | b. Pembesian pelat                                              | 2.2.1.1.3 | Kg  | 414,29   | Rp 18.050,40        | Rp 7.478.064,12          |
|           | c. Begisting pelat                                              | 2.2.1.3.6 | m2  | 28,00    | Rp 327.340,60       | Rp 9.165.536,80          |
|           | 6. Pekerjaan list profil atas atap dag                          | Ls        | m   | 32,00    | Rp 1.487.527,20     | Rp 47.600.870,40         |
|           | 7. Pekerjaan Plesteran kolom dan elevasi atap dag               | 3.7.4     | m2  | 181,60   | Rp 80.403,40        | Rp 14.601.257,44         |
|           | 8. Pekerjaan Acian pada plesteran                               | 3.7.8     | m2  | 181,60   | Rp 67.033,50        | Rp 12.173.283,60         |
|           | 9. Pekerjaan pengecatan exterior kolom dan profilan             | 3.8.10b   | m2  | 181,60   | Rp 78.520,28        | Rp 14.259.281,94         |
|           | 10. Pekerjaan waterprofining atap dag                           | 3.4.3.b   | m2  | 28,00    | Rp 147.763,50       | Rp 4.137.378,00          |
|           |                                                                 |           |     |          |                     |                          |
|           | <b>C. PEKERJAAN PLAFON DAN ACP</b>                              |           |     |          |                     |                          |
|           | 1. Pekerjaan Pasangan Rangka plafon                             | 3.5.3.1a  | m2  | 28,00    | Rp 238.358,20       | Rp 6.674.029,60          |
|           | 2. Pekerjaan Pasangan plafon PVC                                | 3.5.2.7.a | m2  | 28,00    | Rp 72.501,75        | Rp 2.030.049,00          |
|           | 3. Pekerjaan Pasangan List plafon PVC                           | 3.5.2.6.a | m   | 44,00    | Rp 27.229,13        | Rp 1.198.081,50          |
|           | 4. Pekerjaan Pasangan cover ACP + Rangka                        | DP.A.11   | M2  | 122,88   | Rp 1.527.457,60     | Rp 187.693.989,89        |
|           | 5. Pekerjaan Pasangan kerawangan ACP + Rangka                   | DP.A.12   | M2  | 23,04    | Rp 1.757.457,60     | Rp 40.491.823,10         |
|           | 6. Pekerjaan Pasangan Telawang Aklirik menyala                  | Ls        | M2  | 7,33     | Rp 2.671.332,65     | Rp 19.575.525,68         |
|           |                                                                 |           |     |          |                     |                          |
|           | <b>D. Pekerjaan Plumbing .</b>                                  |           |     |          |                     |                          |
|           | 1. Pekerjaan pipa PVC tipe AW diameter 2.5 pembuangan air hujan | 6.4.1.8   | m   | 24,00    | Rp 97.706,88        | Rp 2.344.965,00          |
|           |                                                                 |           |     |          |                     |                          |
|           | <b>E. Pekerjaan Elektrikal</b>                                  |           |     |          |                     |                          |
|           | 1. Pekerjaan Instalasi titik lampu penerangan                   | 5.3.1.1   | Ttk | 12,00    | Rp 316.859,00       | Rp 3.802.308,00          |
|           | 2. Pekerjaan Pemasangan rangka lampu downlight                  | 5.3.1.3.a | Ttk | 12,00    | Rp 205.211,00       | Rp 2.462.532,00          |
|           | 3. Pekerjaan Pemasangan lampu LED 15 watt                       | 5.3.1.3.a | m   | 12,00    | Rp 43.585,00        | Rp 523.020,00            |
|           | 4. Pekerjaan Instalasi titik stop kontak                        | 5.1.5.13  | Ttk | 2,00     | Rp 352.268,00       | Rp 704.536,00            |
|           | 5. Pekerjaan saklar tunggal                                     | 5.1.5.1   | Bh  | 2,00     | Rp 42.354,00        | Rp 84.708,00             |
|           | 6. Pekerjaan saklar ganda                                       | 5.1.5.2   | Bh  | 2,00     | Rp 42.354,00        | Rp 84.708,00             |
|           | 7. Pekerjaan stop kontak                                        | 5.1.5.12  | Bh  | 2,00     | Rp 59.098,00        | Rp 118.196,00            |
|           |                                                                 |           |     |          | <b>JUMLAH IV.</b>   | <b>Rp 531.136.199,87</b> |
| <b>VI</b> | <b>GERBANG SELATAN (KELUAR)</b>                                 |           |     |          |                     |                          |
|           | <b>A. Pekerjaan Tanah</b>                                       |           |     |          |                     |                          |
|           | 1. Pekerjaan Pasangan Bowplank                                  | 1.1.4.2   | m   | 28,00    | Rp 54.704,35        | Rp 1.531.721,80          |
|           | 2. Galian Tanah                                                 | 1.2.1.1.1 | m3  | 8,00     | Rp 125.235,00       | Rp 1.001.880,00          |
|           | 3. Urugkan Kembali bekas galian                                 | 1.3.1.1   | m3  | 2,00     | Rp 83.375,00        | Rp 166.750,00            |
|           |                                                                 |           |     |          |                     |                          |
|           | <b>B. Pekerjaan Struktur</b>                                    |           |     |          |                     |                          |
|           | 1. Pekerjaan Pondasi                                            |           |     |          |                     |                          |
|           | a. Lantai kerja beton tumbuk                                    | 2.2.1.4.1 | m3  | 0,40     | Rp 1.510.890,23     | Rp 604.356,09            |
|           | b. Fotplat beton f'c 20 mpa                                     | 2.2.1.4.5 | m3  | 3,20     | Rp 1.646.130,23     | Rp 5.267.616,74          |
|           | c. Pembesian Fotplat                                            | 2.2.1.1.3 | Kg  | 303,02   | Rp 18.050,40        | Rp 5.469.669,75          |
|           | d. Begisting fotplat                                            | 2.2.1.3.1 | m2  | 6,40     | Rp 228.321,00       | Rp 1.461.254,40          |
|           | 2. Pekerjaan Sloop 30/40                                        |           |     |          |                     |                          |

| NO          | JENIS BARANG/JASA                                               | ANALISA    | SAT | VOLUME   | HARGA<br>SATUAN HPS | JUMLAH HARGA<br>HPS      |
|-------------|-----------------------------------------------------------------|------------|-----|----------|---------------------|--------------------------|
|             | a. Sloop beton f'c 20 mpa                                       | 2.2.1.4.5  | m3  | 2,40     | Rp 1.646.130,23     | Rp 3.950.712,56          |
|             | b. Pembesian Sloop                                              | 2.2.1.1.3  | Kg  | 194,65   | Rp 18.050,40        | Rp 3.513.503,14          |
|             | c. Begisting Sloop                                              | 2.2.1.3.3  | m2  | 8,00     | Rp 271.800,20       | Rp 2.174.401,60          |
|             | 3. Pekerjaan Kolom 40/40                                        |            |     |          |                     |                          |
|             | a. Kolom beton f'c 20 mpa                                       | 2.2.1.4.5  | m3  | 10,24    | Rp 1.646.130,23     | Rp 16.856.373,57         |
|             | b. Pembesian kolom                                              | 2.2.1.1.3  | Kg  | 1.279,43 | Rp 18.050,40        | Rp 23.094.161,18         |
|             | c. Begisting kolom                                              | 2.2.1.3.4  | m2  | 51,20    | Rp 272.834,05       | Rp 13.969.103,36         |
|             | 4. Pekerjaan Balok uk. 25/50                                    |            |     |          |                     |                          |
|             | a. Balok beton f'c 20 mpa                                       | 2.2.1.4.5  | m3  | 3,50     | Rp 1.646.130,23     | Rp 5.761.455,81          |
|             | b. Pembesian balok                                              | 2.2.1.1.3  | Kg  | 552,38   | Rp 18.050,40        | Rp 9.970.752,15          |
|             | c. Begisting balok                                              | 2.2.1.3.5  | m2  | 35,00    | Rp 286.578,85       | Rp 10.030.259,75         |
|             | 5. Pekerjaan Atap dag beton tebal 10 cm                         |            |     |          |                     |                          |
|             | a. Pelat beton f'c 20 mpa                                       | 2.2.1.4.5  | m3  | 2,00     | Rp 1.646.130,23     | Rp 3.292.260,46          |
|             | b. Pembesian pelat                                              | 2.2.1.1.3  | Kg  | 295,92   | Rp 18.050,40        | Rp 5.341.474,37          |
|             | c. Begisting pelat                                              | 2.2.1.3.6  | m2  | 20,00    | Rp 327.340,60       | Rp 6.546.812,00          |
|             | 6. Pekerjaan list profil atas atap dag                          | Ls         | M   | 24,00    | Rp 1.487.527,20     | Rp 35.700.652,80         |
|             | 7. Pekerjaan Plesteran kolom dan elevasi atap dag               | 3.7.4      | m2  | 122,40   | Rp 80.403,40        | Rp 9.841.376,16          |
|             | 8. Pekerjaan Acian pada plesteran                               | 3.7.8      | m2  | 122,40   | Rp 67.033,50        | Rp 8.204.900,40          |
|             | 9. Pekerjaan pengecatan exterior kolom dan profilan             | 3.8.10b    | m2  | 122,40   | Rp 78.520,28        | Rp 9.610.881,66          |
|             | 10. Pekerjaan waterprofing atap dag                             | 3.4.3.b    | m2  | 20,00    | Rp 147.763,50       | Rp 2.955.270,00          |
|             | <b>C. PEKERJAAN PLAFON DAN ACP</b>                              |            |     |          |                     |                          |
|             | 1. Pekerjaan Pasangan Rangka plafon                             | 3.5.3.1a   | m2  | 20,00    | Rp 238.358,20       | Rp 4.767.164,00          |
|             | 2. Pekerjaan Pasangan plafon PVC                                | 3.5.2.7.a  | m2  | 20,00    | Rp 72.501,75        | Rp 1.450.035,00          |
|             | 3. Pekerjaan Pasangan List plafon PVC                           | 3.5.2.6.a  | m   | 36,00    | Rp 27.229,13        | Rp 980.248,50            |
|             | 4. Pekerjaan Pasangan cover ACP + Rangka                        | DP.A.11    | M2  | 81,92    | Rp 1.527.457,60     | Rp 125.129.326,59        |
|             | 5. Pekerjaan Pasangan kerawangan ACP + Rangka                   | DP.A.12    | M2  | 23,04    | Rp 1.757.457,60     | Rp 40.491.823,10         |
|             | 6. Pekerjaan Pasangan Telawang Aklirik menyala                  | Ls         | M2  | 7,68     | Rp 2.671.332,65     | Rp 20.515.834,78         |
|             | <b>D. Pekerjaan Plumbing .</b>                                  |            |     |          |                     |                          |
|             | 1. Pekerjaan pipa PVC tipe AW diameter 2.5 pembuangan air hujan | 6.4.1.8    | m   | 16,00    | Rp 97.706,88        | Rp 1.563.310,00          |
|             | <b>E. Pekerjaan Elektrikal</b>                                  |            |     |          |                     |                          |
|             | 1. Pekerjaan Instalasi titik lampu penerangan                   | 5.3.1.1    | Ttk | 10,00    | Rp 316.859,00       | Rp 3.168.590,00          |
|             | 2. Pekerjaan Pemasangan rangka lampu downlight                  | 5.3.1.3.a  | Ttk | 10,00    | Rp 205.211,00       | Rp 2.052.110,00          |
|             | 3. Pekerjaan Pemasangan lampu LED 15 watt                       | 5.3.1.3.a  | m   | 10,00    | Rp 43.585,00        | Rp 435.850,00            |
|             | 4. Pekerjaan Instalasi titik stop kontak                        | 5.1.5.13   | Ttk | 2,00     | Rp 352.268,00       | Rp 704.536,00            |
|             | 5. Pekerjaan saklar tunggal                                     | 5.1.5.1    | Bh  | 2,00     | Rp 42.354,00        | Rp 84.708,00             |
|             | 6. Pekerjaan saklar ganda                                       | 5.1.5.2    | Bh  | 2,00     | Rp 42.354,00        | Rp 84.708,00             |
|             | 7. Pekerjaan stop kontak                                        | 5.1.5.12   | Bh  | 2,00     | Rp 59.098,00        | Rp 118.196,00            |
|             |                                                                 |            |     |          | <b>JUMLAH V.</b>    | <b>Rp 387.864.039,73</b> |
| <b>VII</b>  | <b>PONDASI PAGAR</b>                                            |            |     |          |                     |                          |
|             | A. Pekerjaan Tanah                                              |            |     |          |                     |                          |
|             | 1. Pekerjaan Pasangan Bowplank                                  | 1.1.4.2    | m   | 10,00    | Rp 54.704,35        | Rp 547.043,50            |
|             | 2. Galian Tanah                                                 | 1.2.1.1.1  | m3  | 74,25    | Rp 125.235,00       | Rp 9.298.698,75          |
|             | 3. Urugkan Kembali bekas galian                                 | 1.3.1.1    | m3  | 18,56    | Rp 83.375,00        | Rp 1.547.648,44          |
|             | B. Pekerjaan Struktur                                           |            |     |          |                     |                          |
|             | 1. Pekerjaan Pondasi                                            |            |     |          |                     |                          |
|             | a. Lantai kerja urugan pasir pasang                             | 2.2.1.4.1  | m3  | 4,95     | Rp 1.510.890,23     | Rp 7.478.906,65          |
|             | b. Pondasi pasangan batu belah                                  | 2.2.2.1.11 | m3  | 41,58    | Rp 1.569.991,50     | Rp 65.280.246,57         |
|             | 2. Pekerjaan Sloop 25/60                                        |            |     |          |                     |                          |
|             | a. Sloop beton f'c 20 mpa                                       | 2.2.1.4.5  | m3  | 7,43     | Rp 1.646.130,23     | Rp 12.222.516,97         |
|             | b. Pembesian Sloop                                              | 2.2.1.1.3  | Kg  | 332,02   | Rp 18.050,40        | Rp 5.993.134,24          |
|             | c. Begisting Sloop                                              | 2.2.1.3.3  | m2  | 59,40    | Rp 271.800,20       | Rp 16.144.931,88         |
|             |                                                                 |            |     |          | <b>JUMLAH VI</b>    | <b>Rp 118.513.126,99</b> |
| <b>VIII</b> | <b>PEKERJAAN PEDESTRIAN DAN TANAMAN</b>                         |            |     |          |                     |                          |
|             | <b>A. Pekerjaan Tanah</b>                                       |            |     |          |                     |                          |
|             | 2. Urugan tanah biasa                                           | 1.3.1.2    | M3  | 289,76   | Rp 353.625,00       | Rp 102.466.380,00        |
|             | <b>B. Finishing Permukaan (FFL)</b>                             |            |     |          |                     |                          |
|             | 1. Pengecatan Paving                                            | 3.8.10b    | M2  | 919,75   | Rp 78.520,28        | Rp 72.219.354,02         |
|             | 2 Tanam tanaman pucuk merah T.120 cm                            | 4.1.2.2    | phn | 30,00    | Rp 219.600,00       | Rp 6.588.000,00          |
|             | 6 Tanam tanaman bunga rombusa mini                              | 4.1.4.3.d  | M2  | 74,23    | Rp 328.756,25       | Rp 24.403.576,44         |
|             | 3 Tanam tanaman bunga asoka                                     | 4.1.4.3.a  | M2  | 74,23    | Rp 328.756,25       | Rp 24.403.576,44         |
|             | 4 Tanam tanaman bunga burung cendrawasih                        | 4.1.4.3.b  | M2  | 222,59   | Rp 287.356,25       | Rp 63.962.627,69         |
|             | 5 Tanam tanaman bunga sensivera                                 | 4.1.4.3.c  | M2  | 222,59   | Rp 287.356,25       | Rp 63.962.627,69         |
|             | 7 Tanam tanaman bunga aster                                     | 4.1.4.3.f  | M2  | 222,59   | Rp 297.706,25       | Rp 66.266.434,19         |
|             |                                                                 |            |     |          | <b>JUMLAH VII.</b>  | <b>Rp 424.272.576,46</b> |

| NO | JENIS BARANG/JASA                                                          | ANALISA   | SAT  | VOLUME   | HARGA<br>SATUAN HPS | JUMLAH HARGA<br>HPS        |
|----|----------------------------------------------------------------------------|-----------|------|----------|---------------------|----------------------------|
| IX | <b>PEKERJAAN PENATAAN HALAMAN</b>                                          |           |      |          |                     |                            |
|    | <b>A. STRUKTUR HALAMAN</b>                                                 |           |      |          |                     |                            |
|    | 1. Cor lantai beton f'c 10 mpa                                             | 2.2.1.4.2 | M3   | 44,79    | Rp 1.534.350,23     | Rp 68.723.546,87           |
|    | 2. Sloof Pot bunga beton bertulang                                         |           |      |          |                     |                            |
|    | - Beton                                                                    | 2.2.1.4.5 | m3   | 36,45    | Rp 1.646.130,23     | Rp 60.001.446,94           |
|    | - pembesian                                                                | 2.2.1.1.3 | kg   | 2.127,29 | Rp 18.050,40        | Rp 38.398.523,86           |
|    | - begisting                                                                | 2.2.1.3.3 | m2   | 486,00   | Rp 271.800,20       | Rp 132.094.897,20          |
|    | 3. Plesteran                                                               | 3.7.4     | m2   | 243,00   | Rp 80.403,40        | Rp 19.538.026,20           |
|    | 4. Acian                                                                   | 3.7.8     | m2   | 243,00   | Rp 67.033,50        | Rp 16.289.140,50           |
|    |                                                                            |           |      |          |                     |                            |
|    | <b>B. Finishing Halaman (FFL)</b>                                          |           |      |          |                     |                            |
|    | 1. Pekerjaan pasang grassblock tebal 8 cm pada halaman                     | 7.1.1.3.a | m2   | 1.952,00 | Rp 467.601,00       | Rp 912.757.152,00          |
|    | 2. Lapisan batu sikat finish coating (halaman & trap tangga)               | Ls        | m2   | 746,20   | Rp 499.362,00       | Rp 372.623.924,40          |
|    | 4. Pasang pavingblok tebal 8 cm beton K.250                                | 7.1.1.3   | m2   | 2.079,55 | Rp 375.256,00       | Rp 780.363.614,80          |
|    | 5. Pasang Batu alam lantai uk. 40/60                                       | 3.9.4.3.b | m2   | 215,00   | Rp 500.155,13       | Rp 107.533.351,88          |
|    |                                                                            |           |      |          |                     |                            |
|    | <b>C. PEKERJAAN LAINNYA</b>                                                |           |      |          |                     |                            |
|    | 1. Bangku taman besi tuang pada halaman                                    | Ls        | unit | 4,00     | Rp 2.677.200,00     | Rp 10.708.800,00           |
|    | 2. Pagar reiling steinlesssteel 2 INCH dg kisi kisi 1/2 INCH pengaman tepi | 3.13.5.a  | m    | 190,00   | Rp 1.239.500,00     | Rp 235.505.000,00          |
|    | 3. Pembersihan akhir pekerjaan                                             | Ls        | keg  | 1,00     | Rp 2.000.000,00     | Rp 2.000.000,00            |
|    |                                                                            |           |      |          | <b>JUMLAH VIII.</b> | <b>Rp 2.756.537.424,64</b> |

ITEM PEMBAYARAN NO. : 1.2  
 JENIS PEKERJAAN : MOBILISASI

% TERHADAP TOTAL BIAYA PROYEK = %

**Lembar 1.2-1**

| No.                    | U R A I A N                                               | SATUAN | VOL. | HARGA SATUAN (Rp.) | JUMLAH HARGA (Rp.) |
|------------------------|-----------------------------------------------------------|--------|------|--------------------|--------------------|
| A.                     | Plank Nama Proyek                                         | Pek    | 1    |                    | -                  |
| B.                     | <b>PERALATAN</b><br>Periksa lembar 1.2-2                  |        |      |                    | 15.200.000         |
| C.<br>1                | <b>Kantor Lapangan dan Fasilitas</b><br>Sewa Tempat/Barak |        | 1    | -                  | -                  |
| F.                     | <b>DEMOBILISASI</b>                                       | LS     | 1    | 4.560.000          | 4.560.000          |
| Total Biaya Mobilisasi |                                                           |        |      |                    | 19.760.000         |

Catatan : Jumlah yang tercantum pada masing-masing item mobilisasi di atas sudah termasuk over-head dan laba serta seluruh pajak dan bea (kecuali PPn), dan pengeluaran lainnya.

ITEM PEMBAYARAN NO. : 1.2  
 JENIS PEKERJAAN : MOBILISASI

Lembar 1.2-2

| No. | JENIS ALAT                       | KODE ALAT | SATUAN | VOL. | HARGA SATUAN (Rp.) | JUMLAH HARGA (Rp.) |
|-----|----------------------------------|-----------|--------|------|--------------------|--------------------|
| B.  | <b>PERALATAN</b>                 |           |        |      |                    |                    |
| 1   | ASPHALT FINISHER                 | E02       | Unit   | 1    | 3.000.000          | 3.000.000          |
| 2   | COMPRESSOR 4000-6500 L/M         | E05       | Unit   | 1    | 200.000            | 200.000            |
| 3   | DUMP TRUCK 3 - 4 M3              | E08       | Unit   | 5    | -                  | -                  |
| 4   | MOTOR GRADER >100 HP             | E13       | Unit   | 1    | 3.000.000          | 3.000.000          |
| 5   | TANDEM ROLLER 6-8 T.             | E17       | Unit   | 1    | 3.000.000          | 3.000.000          |
| 6   | TIRE ROLLER 8-10 T.              | E18       | Unit   | 1    | 3.000.000          | 3.000.000          |
| 7   | VIBRATORY ROLLER 5-8 T.          | E19       | Unit   | 1    | 3.000.000          | 3.000.000          |
| 8   | WATER PUMP 70-100 mm             | E22       | Unit   | 1    | -                  | -                  |
| 9   | WATER TANKER 3000-4500 L.        | E23       | Unit   | 1    | -                  | -                  |
| 10  | ASPHALT DISTRIBUTOR              | E41       | Unit   | 1    | -                  | -                  |
|     | Total untuk Item B pada Lembar 1 |           |        |      |                    | 15200000           |

**FORMULIR STANDAR UNTUK  
PEREKAMAN ANALISA MASING-MASING HARGA SATUAN**

PROGRAM : PENGEMBANGAN PERMUKIMAN  
KEGIATAN

PEKERJAAN

LOKASI

ITEM PEMBAYARAN NO.

: 6.1.(1)

PERKIRAAN VOL. PEK. : 0,00

JENIS PEKERJAAN

Lapis Fondasi Agregat Kelas A

TOTAL HARGA : 0,00

SATUAN PEMBAYARAN

: M3

% THD. BIAYA PROYEK : 0,00

| NO.                           | KOMPONEN                                                      | SATUAN | PERKIRAAN Kuantitas | HARGA SATUAN (Rp.) | JUMLAH HARGA (Rp.)  |
|-------------------------------|---------------------------------------------------------------|--------|---------------------|--------------------|---------------------|
| <b>A.</b>                     | <b>TENAGA</b>                                                 |        |                     |                    |                     |
| 1.                            | Pekerja (L01)                                                 | jam    | 0,1039              | 130.000,00         | 13.502,29           |
| 2.                            | Mandor (L03)                                                  | jam    | 0,0130              | 300.000,00         | 3.894,89            |
| <b>JUMLAH HARGA TENAGA</b>    |                                                               |        |                     |                    | <b>17.397,17</b>    |
| <b>B.</b>                     | <b>BAHAN</b>                                                  |        |                     |                    |                     |
| 1.                            | Agregat A M26                                                 | M3     | 1,2920              | 522.298,59         | 674.824,26          |
| <b>JUMLAH HARGA BAHAN</b>     |                                                               |        |                     |                    | <b>674.824,26</b>   |
| <b>C.</b>                     | <b>PERALATAN</b>                                              |        |                     |                    |                     |
| 1.                            | Wheel Loader E15                                              | jam    | 0,0087              | 390.000,00         | 3.401,11            |
| 2.                            | Dump Truck E09                                                | jam    | 0,6003              | 410.000,00         | 246.134,83          |
| 3.                            | Motor Grader E13                                              | jam    | 0,0013              | 480.000,00         | 612,61              |
| 4.                            | Vibratory Roller E19a                                         | jam    | 0,0130              |                    | 0,00                |
| 5.                            | Alat Bantu Ls                                                 |        | 1,0000              | 0,00               | 0,00                |
|                               |                                                               |        | 0,1558              |                    |                     |
| <b>JUMLAH HARGA PERALATAN</b> |                                                               |        |                     |                    | <b>250.148,55</b>   |
| <b>D.</b>                     | <b>JUMLAH HARGA TENAGA, BAHAN DAN PERALATAN ( A + B + C )</b> |        |                     |                    | <b>942.369,98</b>   |
| <b>E.</b>                     | <b>OVERHEAD &amp; PROFIT 15,0 % x D</b>                       |        |                     |                    | <b>141.355,50</b>   |
| <b>F.</b>                     | <b>HARGA SATUAN PEKERJAAN ( D + E )</b>                       |        |                     |                    | <b>1.083.725,48</b> |

Note: 1 Satuan dapat berdasarkan atas jam operasi untuk Tenaga Kerja dan Peralatan, volume dan/atau ukuran berat untuk bahan-bahan.

- 2 Kuantitas satuan adalah kuantitas perkiraan setiap komponen untuk menyelesaikan satu satuan pekerjaan dari nomor mata pembayaran. Harga Satuan yang disampaikan Penyedia Jasa tidak dapat diubah kecuali terdapat Penyesuaian Harga (Eskalasi/Deskalisasi) sesuai ketentuan dalam Instruksi Kepada Peserta Lelang
- 3 Biaya satuan untuk peralatan sudah termasuk bahan bakar, bahan habis dipakai dan operator.
- 4 Biaya satuan sudah termasuk pengeluaran untuk seluruh pajak yang berkaitan (tetapi tidak termasuk PPN yang dibayar dari kontrak) dan biaya-biaya lainnya.

| No.  | U R A I A N                                                                                                                        | KODE              | KOEF.          | SATUAN | KETERANGAN                   |
|------|------------------------------------------------------------------------------------------------------------------------------------|-------------------|----------------|--------|------------------------------|
| I.   | <b>ASUMSI</b>                                                                                                                      |                   |                |        |                              |
| 1    | Menggunakan alat berat (cara mekanik)                                                                                              |                   |                |        |                              |
| 2    | Lokasi pekerjaan : sepanjang jalan                                                                                                 |                   |                |        |                              |
| 3    | Kondisi existing jalan : sedang                                                                                                    |                   |                |        |                              |
| 4    | Jarak rata-rata Base Camp ke lokasi pekerjaan                                                                                      | L                 | 44,25          | KM     |                              |
| 5    | Tebal lapis agregat padat                                                                                                          | t                 | 0,15           | M      | Spesifikasi 5.1.3.2.d)       |
| 6    | Berat isi padat                                                                                                                    | Bip               | 1,78           | ton/m3 |                              |
| 7    | Jam kerja efektif per-hari                                                                                                         | Tk                | 7,00           | jam    |                              |
|      |                                                                                                                                    | 25-10&10-20&20-30 |                |        |                              |
| 8    | Proporsi Campuran :<br>- Fraksi Pecah Mesin 5-10 & 10-20 & 20-30<br>- Pasir Urug ( $PI \leq 6\%$ , $LL \leq 25\%$ )                | PU                | 80,00<br>20,00 | %<br>% | Gradasi harus memenuhi Spec. |
| 9    | Berat Isi Agregat (lepas)<br>Faktor kehilangan - Agregat A                                                                         | Bil<br>Fh1        | 1,44<br>1,05   | ton/m3 |                              |
| II.  | <b>URUTAN KERJA</b>                                                                                                                |                   |                |        |                              |
| 1    | Penyiapan formasi kondisi eksisting.                                                                                               |                   |                |        |                              |
| 2    | Wheel Loader memuat material Lapis Fondasi Agregat ke dalam Dump Truck di Base Camp.                                               |                   |                |        |                              |
| 3    | Dump Truck mengangkut Lapis Fondasi Agregat Kelas A dng kadar air yg memenuhi ke lokasi pekerjaan dan dihampar dengan Motor Grader |                   |                |        |                              |
| 4    | Hamparan agregat dipadatkan dengan Vibratory Roller.                                                                               |                   |                |        |                              |
| 5    | Selama pemadatan, sekelompok pekerja akan merapikan tepi hamparan dengan menggunakan Alat Bantu.                                   |                   |                |        |                              |
| 6    | Bahan yang tidak terjangkau mesin gilas, harus dipadatkan dengan trimbis mekanis atau pemadat lain yang disetujui.                 |                   |                |        |                              |
| 7    | Pemadatan dilanjutkan sampai seluruh lokasi terpadatkan rata.                                                                      |                   |                |        |                              |
| III. | <b>PEMAKAIAN BAHAN, ALAT, DAN TENAGA</b>                                                                                           |                   |                |        |                              |
| 1.   | <b>BAHAN</b>                                                                                                                       |                   |                |        |                              |
|      | - Agregat A = 1 M3 x (Bip/Bil) x Fh                                                                                                | (M26)             | 1,29202773     | M3     |                              |
| 2.   | <b>ALAT</b>                                                                                                                        |                   |                |        |                              |
| 2.a. | <b>WHEEL LOADER</b>                                                                                                                | (E15)             |                |        |                              |
|      | Kapasitas bucket                                                                                                                   | V                 | 1,50           | M3     | (lepas)                      |
|      | Faktor bucket                                                                                                                      | Fb                | 0,85           | -      |                              |
|      | Faktor Efisiensi alat                                                                                                              | Fa                | 0,83           | -      |                              |
|      | Waktu Siklus :                                                                                                                     |                   |                |        |                              |
|      | - Memuat dan lain-lain                                                                                                             | Ts1               | 0,45           | menit  | Permen PUPR No 28/PRT/M/2016 |
|      | Kap. Prod. / jam = $\frac{V \times Fb \times Fa \times 60}{Ts1 \times Bip/Bil}$                                                    | Q1                | 114,67         | M3     |                              |
|      | Koefisien Alat / M3 = 1 : Q1                                                                                                       | (E15)             | 0,0087         | jam    |                              |
| 2.b. | <b>DUMP TRUCK 6-8 M3</b>                                                                                                           | (E09)             |                |        |                              |
|      | Kapasitas bak                                                                                                                      | V                 | 6,00           | M3     |                              |
|      | Faktor Efisiensi alat                                                                                                              | Fa                | 0,83           | -      |                              |
|      | Kecepatan rata-rata bermuatan                                                                                                      | v1                | 30,00          | KM/jam |                              |
|      | Kecepatan rata-rata kosong                                                                                                         | v2                | 50,00          | KM/jam |                              |
|      | Waktu Siklus :                                                                                                                     |                   |                |        |                              |
|      | - Waktu memuat = $V \times 60 / Q1 \times Bil$                                                                                     | T1                | 2,18           | menit  |                              |
|      | - Waktu tempuh isi = $(L : v1) \times 60$ menit                                                                                    | T2                | 88,50          | menit  |                              |
|      | - Waktu tempuh kosong = $(L : v2) \times 60$ menit                                                                                 | T3                | 53,10          | menit  |                              |
|      | - lain-lain                                                                                                                        | T4                | 2,00           | menit  |                              |
|      |                                                                                                                                    | Ts2               | 145,78         | menit  |                              |
|      | Kap. Prod. / jam = $\frac{V \times Fa \times 60}{Ts2 \times Bip/Bil}$                                                              | Q2                | 1,67           | M3     |                              |
|      | Koefisien Alat / M3 = 1 : Q2                                                                                                       | (E09)             | 0,6003         | jam    |                              |

ITEM PEMBAYARAN NO.  
JENIS PEKERJAAN  
SATUAN PEMBAYARAN

6.1.(1)  
Lapis Fondasi Agregat Kelas A  
: M3

Analisa EI-611

URAIAN ANALISA HARGA SATUAN  
Lanjutan

| No.  | URAIAN                                                                                                                                                                                                                                                                                                                                               | KODE                                                                       | KOEF.                                                                                     | SATUAN                                                                     | KETERANGAN             |
|------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------|-------------------------------------------------------------------------------------------|----------------------------------------------------------------------------|------------------------|
| 2.c. | <b>MOTOR GRADER</b><br>Panjang hamparan<br>Lebar hamparan total (untuk menentukan jumlah lintasan)<br>Lebar kerja blade<br>Faktor Efisiensi alat<br>Kecepatan rata-rata alat<br>Jumlah lintasan<br>Lebar Overlap<br>Lajur lintasan ( $N = W/(b-b_o)$ )<br>Waktu Siklus :<br>- Perataan 1 lintasan = $L_h : (v \times 1000) \times 60$<br>- Lain-lain | (E13)<br>Lh<br>W<br>b<br>Fa<br>v<br>n<br>bo<br>N<br>Ts3<br>T1<br>T2<br>Ts3 | 50,00<br>3,50<br>2,60<br>0,80<br>4,00<br>4,00<br>0,20<br>2,00<br><br>0,75<br>0,10<br>0,85 | M<br>M<br>M<br>-<br>KM/jam<br>lintasan<br>M<br><br>menit<br>menit<br>menit | 2 x pp maks (SU 5-7)   |
|      | Kap. Prod. / jam = $\frac{L_h \times (N(b-b_o)+b_o) \times t \times Fa \times 60}{n \times Ts3}$                                                                                                                                                                                                                                                     | Q3                                                                         | 783,53                                                                                    | M3                                                                         |                        |
|      | <b>Koefisien Alat / M3</b> = 1 : Q3                                                                                                                                                                                                                                                                                                                  | (E13)                                                                      | 0,0013                                                                                    | jam                                                                        |                        |
| 2.d. | <b>VIBRATORY ROLLER</b><br>Kecepatan rata-rata alat<br>Lebar lajur lalu lintas<br>Lebar roda alat pemadat<br>Lebar overlap<br>Lebar efektif pemadatan ( $b_e = b - b_o$ )<br>Jumlah lintasan<br>Lajur lintasan ( $N = W/(b-b_o)$ )<br>Faktor Efisiensi alat                                                                                          | (E19a)<br>v<br>W<br>b<br>bo<br>be<br>n<br>N<br>Fa                          | 4,00<br>3,50<br>1,68<br>0,20<br>1,48<br>10,00<br>3,00<br>0,83                             | KM/jam<br>M<br>M<br>M<br>M<br>lintasan<br>-                                | 5 x pp lintasan        |
|      | Kap. Prod. / jam = $\frac{(v \times 1000) \times (N(b-b_o)+b_o) \times t \times Fa}{n \times N}$                                                                                                                                                                                                                                                     | Q4                                                                         | 77,02                                                                                     | M3                                                                         |                        |
|      | <b>Koefisien Alat / M3</b> = 1 : Q4                                                                                                                                                                                                                                                                                                                  | (E19)                                                                      | 0,0130                                                                                    | jam                                                                        |                        |
| 2.e. | <b>ALAT BANTU</b><br>Diperlukan :<br>- Kereta dorong<br>- Sekop<br>- Garpu<br>- Terpal                                                                                                                                                                                                                                                               |                                                                            |                                                                                           |                                                                            | Lump Sum               |
| 3.   | <b>TENAGA</b><br>Produksi menentukan : VIBRATORY ROLLER<br>Produksi agregat / hari = $T_k \times Q_4$<br>Kebutuhan tenaga :<br>- Pekerja<br>- Mandor                                                                                                                                                                                                 | Q4<br>Qt<br><br>P<br>M                                                     | 77,02<br>539,17<br><br>8,00<br>1,00                                                       | M3/jam<br>M3<br><br>orang<br>orang                                         | Pengendalian kadar air |
|      | <b>Koefisien tenaga / M3</b> :<br>- Pekerja = $(T_k \times P) : Q_t$<br>- Mandor = $(T_k \times M) : Q_t$                                                                                                                                                                                                                                            | (L01)<br>(L03)                                                             | 0,1039<br>0,0130                                                                          | jam<br>jam                                                                 |                        |
| 4.   | <b>HARGA DASAR SATUAN UPAH, BAHAN DAN ALAT</b><br>Lihat lampiran.                                                                                                                                                                                                                                                                                    |                                                                            |                                                                                           |                                                                            |                        |

Berlanjut ke hal. berikut

ITEM PEMBAYARAN NO. 6.1.(1)  
 JENIS PEKERJAAN Lapis Fondasi Agregat Kelas A  
 SATUAN PEMBAYARAN : M3

Analisa EI-611

URAIAN ANALISA HARGA SATUAN  
 Lanjutan

| No. | U R A I A N                                                                                                                                                                                                                                                                                                                 | KODE | KOEF. | SATUAN | KETERANGAN |
|-----|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------|-------|--------|------------|
| 5.  | <b>ANALISA HARGA SATUAN PEKERJAAN</b><br>Lihat perhitungan dalam FORMULIR STANDAR UNTUK PEREKAMAN ANALISA MASING-MASING HARGA SATUAN.<br>Didapat Harga Satuan Pekerjaan :<br><div style="border: 1px solid black; padding: 5px; width: fit-content; margin: 5px auto;">             Rp. 1.083.725,48 / M3.           </div> |      |       |        |            |
| 6.  | <b>WAKTU PELAKSANAAN YANG DIPERLUKAN</b><br>Masa Pelaksanaan : ..... bulan                                                                                                                                                                                                                                                  |      |       |        |            |
| 7.  | <b>VOLUME PEKERJAAN YANG DIPERLUKAN</b><br>Volume pekerjaan : 0,00 M3                                                                                                                                                                                                                                                       |      |       |        |            |

**FORMULIR STANDAR UNTUK  
PEREKAMAN ANALISA MASING-MASING HARGA SATUAN**

PROYEK :  
 No. PAKET KONTRAK :  
 NAMA PAKET :  
 PROP / KAB / KODYA :  
 ITEM PEMBAYARAN NO. : 6.3(3)  
 JENIS PEKERJAAN : Lataston Lapis Aus (HRS-WC)  
 SATUAN PEMBAYARAN : Ton

PERKIRAAN VOL. PEK. :  
 TOTAL HARGA (Rp.) :  
 % THD. BIAYA PROYEK :

| NO.                           | KOMPONEN                                                      | SATUAN | PERKIRAAN Kuantitas | HARGA SATUAN (Rp.) | JUMLAH HARGA (Rp.)  |
|-------------------------------|---------------------------------------------------------------|--------|---------------------|--------------------|---------------------|
| <b>A.</b>                     | <b>TENAGA</b>                                                 |        |                     |                    |                     |
| 1.                            | Pekerja (L01)                                                 | Jam    | 0,2008              | 130.000,00         | 26.104,42           |
| 2.                            | Mandor (L03)                                                  | Jam    | 0,0201              | 300.000,00         | 6.024,10            |
| <b>JUMLAH HARGA TENAGA</b>    |                                                               |        |                     |                    | <b>32.128,51</b>    |
| <b>B.</b>                     | <b>BAHAN</b>                                                  |        |                     |                    |                     |
| 1.                            | Agr Pch Mesin 5-10 & 10-15 (M92)                              | M3     | 0,2581              |                    | 0,00                |
| 2.                            | Agr Pch Mesin 0 - 5 (M91)                                     | M3     | 0,1842              | 620.000,00         | 114.220,91          |
| 3.                            | Pasir Halus (M01c)                                            | M3     | 0,2807              | 310.000,00         | 87.008,65           |
| 4.                            | Semen (M12)                                                   | Kg     | 18,9520             | 1.400,00           | 26.532,80           |
| 5.                            | Aspal (M10)                                                   | Kg     | 80,3400             | 16.200,00          | 1.301.508,00        |
| <b>JUMLAH HARGA BAHAN</b>     |                                                               |        |                     |                    | <b>1.529.270,36</b> |
| <b>C.</b>                     | <b>PERALATAN</b>                                              |        |                     |                    |                     |
| 1.                            | Wheel Loader E15                                              | Jam    | 0,0157              | 588.584,00         | 9.269,77            |
| 2.                            | AMP E01                                                       | Jam    | 0,0201              | 7.845.583,00       | 157.541,83          |
| 3.                            | Genset E12                                                    | Jam    | 0,0089              | 470.069,00         | 4.195,17            |
| 4.                            | Dump Truck E09                                                | Jam    | 0,1903              | 340.008,00         | 64.707,35           |
| 5.                            | Asphalt Finisher E02                                          | Jam    | 0,0191              | 428.923,00         | 8.174,16            |
| 6.                            | Tandem Roller E17a                                            | Jam    | 0,0519              | 288.239,00         | 14.968,79           |
| 7.                            | P. Tyre Roller E18                                            | Jam    | 0,0756              | 598.357,00         | 45.233,70           |
| 8.                            | Alat Bantu Ls                                                 |        | 1,0000              | 48,00              | 48,00               |
| <b>JUMLAH HARGA PERALATAN</b> |                                                               |        |                     |                    | <b>304.138,76</b>   |
| <b>D.</b>                     | <b>JUMLAH HARGA TENAGA, BAHAN DAN PERALATAN ( A + B + C )</b> |        |                     |                    | <b>1.865.537,64</b> |
| <b>E.</b>                     | <b>OVERHEAD &amp; PROFIT 10,0 % x D</b>                       |        |                     |                    | <b>186.553,76</b>   |
| <b>F.</b>                     | <b>HARGA SATUAN PEKERJAAN ( D + E )</b>                       |        |                     |                    | <b>2.052.091,40</b> |

- Note: 1 Satuan dapat berdasarkan atas jam operasi untuk Tenaga Kerja dan Peralatan, volume dan/atau ukuran berat untuk bahan-bahan.
- 2 Kuantitas satuan adalah kuantitas perkiraan setiap komponen untuk menyelesaikan satu satuan pekerjaan dari nomor mata pembayaran. Harga Satuan yang disampaikan Penyedia Jasa tidak dapat diubah kecuali terdapat Penyesuaian Harga (Eskalasi/Deskalisasi) sesuai ketentuan dalam Instruksi Kepada Peserta Lelang
- 3 Biaya satuan untuk peralatan sudah termasuk bahan bakar, bahan habis dipakai dan operator.
- 4 Biaya satuan sudah termasuk pengeluaran untuk seluruh pajak yang berkaitan (tetapi tidak termasuk PPN yang dibayar dari kontrak) dan biaya-biaya lainnya.

ITEM PEMBAYARAN NO. : 6.3(3)  
 JENIS PEKERJAAN : Lataston Lapis Aus (HRS-WC)  
 SATUAN PEMBAYARAN : Ton

Analisa EI-633a

URAIAN ANALISA HARGA SATUAN

| No.  | URAIAN                                                                                                                                                          | KODE                                       | KOEF.                                           | SATUAN                                       | KETERANGAN                                   |
|------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------|-------------------------------------------------|----------------------------------------------|----------------------------------------------|
| I.   | <b>ASUMSI</b>                                                                                                                                                   |                                            |                                                 |                                              |                                              |
| 1    | Menggunakan alat berat (cara mekanik)                                                                                                                           |                                            |                                                 |                                              |                                              |
| 2    | Lokasi pekerjaan : sepanjang jalan                                                                                                                              |                                            |                                                 |                                              |                                              |
| 3    | Kondisi existing jalan : sedang                                                                                                                                 |                                            |                                                 |                                              |                                              |
| 4    | Jarak rata-rata Base Camp ke lokasi pekerjaan                                                                                                                   | L                                          | 5,00                                            | KM                                           |                                              |
| 5    | Tebal Lapis (HRS) padat                                                                                                                                         | t                                          | 0,03                                            | M                                            | Tabel 6.3.11                                 |
| 6    | Jam kerja efektif per-hari                                                                                                                                      | Tk                                         | 7,00                                            | Jam                                          |                                              |
| 7    | Faktor kehilangan material :<br>- Agregat<br>- Aspal                                                                                                            | Fh1<br>Fh2                                 | 1,05<br>1,03                                    | -<br>-                                       |                                              |
| 8    | Berat isi Agregat (padat)                                                                                                                                       | Bip                                        | 1,45                                            | ton/m3                                       |                                              |
| 9    | Berat Isi Agregat (lepas)                                                                                                                                       | Bil                                        | 1,32                                            | ton/m3                                       |                                              |
| 10   | Komposisi campuran HRS-WC<br>- Agr Pch Mesin 5 - 10 & 10 - 15 mm<br>- Agr Pch Mesin 0 - 5 mm<br>- Pasir Halus<br>- Semen<br>- Asphalt<br>- Anti Stripping Agent | 5-10&10-15<br>0-5<br>PH<br>FF<br>As<br>Asa | 32,45<br>23,16<br>34,75<br>1,84<br>7,80<br>0,30 | %<br>%<br>%<br>%<br>%<br>%As                 | Gradasi harus -<br>memenuhi -<br>Spesifikasi |
| 11   | Berat isi bahan :<br>- HRS-WC<br>- Agr Pch Mesin 5 - 10 & 10 - 15 mm<br>- Agr Pch Mesin 0 - 5 mm<br>- Pasir Halus                                               | D1<br>D2<br>D3<br>D4                       | 2,23<br>1,32<br>1,32<br>1,30                    | ton / M3<br>ton / M3<br>ton / M3<br>ton / M3 |                                              |
| 12   | Jarak Stock pile ke Cold Bin                                                                                                                                    | I                                          | 0,05                                            | km                                           |                                              |
| II.  | <b>URUTAN KERJA</b>                                                                                                                                             |                                            |                                                 |                                              |                                              |
| 1    | Wheel Loader memuat Agregat ke dalam Cold Bin AMP                                                                                                               |                                            |                                                 |                                              |                                              |
| 2    | Agregat dan aspal dicampur dan dipanaskan dengan AMP untuk dimuat langsung ke dalam Dump Truck dan diangkut ke lokasi pekerjaan                                 |                                            |                                                 |                                              |                                              |
| 3    | Campuran panas HRS dihampar dengan Finisher dan dipadatkan dengan Tandem (Awal & Akhir) dan Pneumatic Tire Roller (Intermediate Rolling)                        |                                            |                                                 |                                              |                                              |
| 4    | Selama pemadatan, sekelompok pekerja akan merapikan tepi hamparan dengan menggunakan Alat Bantu                                                                 |                                            |                                                 |                                              |                                              |
| III. | <b>PEMAKAIAN BAHAN, ALAT DAN TENAGA</b>                                                                                                                         |                                            |                                                 |                                              |                                              |
| 1.   | <b>BAHAN</b>                                                                                                                                                    |                                            |                                                 |                                              |                                              |
| 1.a. | Agr 5-10 & 10-15 = ("5-10&10-15" x Fh1) : D2                                                                                                                    | (M92)                                      | 0,2581                                          | M3                                           |                                              |
| 1.b. | Agr 0-5 = ("0-5" x Fh1) : D3                                                                                                                                    | (M91)                                      | 0,1842                                          | M3                                           |                                              |
| 1.c. | Pasir Halus = (PH x Fh1) : D4                                                                                                                                   | (M01c)                                     | 0,2807                                          | M3                                           |                                              |
| 1.d. | Semen = (FF x Fh2) x 1000                                                                                                                                       | (M12)                                      | 18,9520                                         | Kg                                           |                                              |
| 1.e. | Aspal = (As x Fh2) x 1000                                                                                                                                       | (M10)                                      | 80,3400                                         | Kg                                           |                                              |
| 2.   | <b>ALAT</b>                                                                                                                                                     |                                            |                                                 |                                              |                                              |
| 2.a. | <b>WHEEL LOADER</b>                                                                                                                                             | (E15)                                      |                                                 |                                              |                                              |
|      | Kapasitas bucket                                                                                                                                                | V                                          | 1,50                                            | M3                                           | panduan                                      |
|      | Faktor bucket                                                                                                                                                   | Fb                                         | 0,85                                            | -                                            |                                              |
|      | Faktor efisiensi alat                                                                                                                                           | Fa                                         | 0,83                                            | -                                            |                                              |
|      | Waktu Siklus T1 + T2 + T3                                                                                                                                       | Ts1                                        |                                                 |                                              |                                              |
|      | - Kecepatan maju rata rata                                                                                                                                      | Vf                                         | 20,00                                           | km/jam                                       | panduan                                      |
|      | - Kecepatan kembali rata rata                                                                                                                                   | Vr                                         | 30,00                                           | km/jam                                       | panduan                                      |
|      | - Muat ke Bin = (I x 60) / Vf                                                                                                                                   | T1                                         | 0,15                                            | menit                                        |                                              |
|      | - Kembali ke Stock pile = (I x 60) / Vr                                                                                                                         | T2                                         | 0,00                                            | menit                                        |                                              |
|      | - Lain - lain (waktu pasti)                                                                                                                                     | T3                                         | 0,85                                            | menit                                        |                                              |
|      |                                                                                                                                                                 | Ts1                                        | 1,00                                            | menit                                        |                                              |

Berlanjut ke hal. berikut.

ITEM PEMBAYARAN NO. : 6.3(3)  
 JENIS PEKERJAAN : Lataston Lapis Aus (HRS-WC)  
 SATUAN PEMBAYARAN : Ton

Analisa EI-633a

URAIAN ANALISA HARGA SATUAN

Lanjutan

| No.  | URAIAN                                                                                       | KODE   | KOEF.         | SATUAN    | KETERANGAN                    |
|------|----------------------------------------------------------------------------------------------|--------|---------------|-----------|-------------------------------|
|      | Kap. Prod. / jam = $\frac{V \times Fb \times Fa \times 60}{Ts1}$                             | Q1     | 63,50         | ton       |                               |
|      | <b>Koefisien Alat / Ton</b> = 1 : Q1                                                         | (E15)  | <b>0,0157</b> | Jam       |                               |
| 2.b. | <u>ASPHALT MIXING PLANT (AMP)</u>                                                            | (E01)  |               |           |                               |
|      | Kapasitas produksi                                                                           | V      | 60,00         | ton / Jam |                               |
|      | Faktor Efisiensi alat                                                                        | Fa     | 0,83          | -         |                               |
|      | Kap. Prod. / jam = $V \times Fa$                                                             | Q2     | 49,80         | ton       |                               |
|      | <b>Koefisien Alat / ton</b> = 1 : Q2                                                         | (E01)  | <b>0,0201</b> | Jam       |                               |
| 2.c. | <u>GENERATOR SET ( GENSET )</u>                                                              | (E12)  |               |           |                               |
|      | - Kapasitas listrik                                                                          | V      | 135,00        | KVA       |                               |
|      | - Faktor efisiensi alat                                                                      | Fa     | 0,83          |           |                               |
|      | Kap. Produksi = $V \times Fa$                                                                | Q3     | 112,05        | kW/jam    |                               |
|      | <b>Koefisien Alat / ton</b> = 1 : Q3                                                         | (E12)  | <b>0,0089</b> | Jam       |                               |
| 2.d. | <u>DUMP TRUCK (DT)</u>                                                                       | (E09)  |               |           |                               |
|      | Kapasitas bak                                                                                | V      | 10,00         | Ton       |                               |
|      | Faktor Efisiensi alat                                                                        | Fa     | 0,83          | -         |                               |
|      | Kecepatan rata-rata bermuatan                                                                | v1     | 40,00         | KM / Jam  |                               |
|      | Kecepatan rata-rata kosong                                                                   | v2     | 60,00         | KM / Jam  |                               |
|      | Kapasitas pugmil                                                                             | pm     | 1000,00       | kg        |                               |
|      | Waktu menyiapkan 1 batch                                                                     | Tb     | 1,00          | menit     | Asumsi 60 detik untuk 1 batch |
|      | Waktu Siklus                                                                                 | Ts2    |               |           |                               |
|      | - Mengisi Bak = $(V \times 1000 \times Tb)/pm$                                               | T1     | 10,00         | menit     |                               |
|      | - Angkut = $(L : v1) \times 60$ menit                                                        | T2     | 7,50          | menit     |                               |
|      | - Kembali = $(L : v2) \times 60$ menit                                                       | T3     | 5,00          | menit     |                               |
|      | - Waktu lain-lain                                                                            | T4     | 20,00         | menit     |                               |
|      | Kap. Prod. / jam = $\frac{V \times Fa \times 60}{D1 \times Ts2}$                             | Q4     | 5,25          | ton       |                               |
|      | <b>Koefisien Alat / ton</b> = 1 : Q4                                                         | (E09)  | <b>0,1903</b> | Jam       |                               |
| 2.e. | <u>ASPHALT FINISHER</u>                                                                      | (E02)  |               |           |                               |
|      | Kecepatan menghampar                                                                         | V      | 5,00          | m/menit   |                               |
|      | Faktor efisiensi alat                                                                        | Fa     | 0,83          | -         |                               |
|      | Lebar hamparan                                                                               | b      | 3,15          | meter     |                               |
|      | Kap. Prod. / jam = $V \times b \times 60 \times Fa \times t \times D1$                       | Q5     | 52,47         | ton       |                               |
|      | <b>Koefisien Alat / ton</b> = 1 : Q5                                                         | (E02)  | <b>0,0191</b> | Jam       |                               |
| 2.f. | <u>TANDEM ROLLER (8-10 Ton)</u>                                                              | (E17a) |               |           |                               |
|      | Kecepatan rata-rata alat                                                                     | v      | 4,00          | Km / Jam  |                               |
|      | Lebar efektif pemadatan                                                                      | b      | 1,68          | M         |                               |
|      | Jumlah lintasan                                                                              | n      | 8,00          | lintasan  |                               |
|      | Jumlah lajur lintasan = $w / (b-bo)$                                                         | N      | 3,00          |           |                               |
|      | Lebar overlap                                                                                | bo     | 0,20          | m         |                               |
|      | Faktor Efisiensi alat                                                                        | Fa     | 0,83          | -         |                               |
|      | Kap. Prod./jam = $\frac{(v \times 1000) \times (N(b-bo)+bo) \times Fa \times t}{n \times N}$ | Q6     | 19,26         | m3/jam    |                               |
|      | <b>Koefisien Alat / ton</b> = 1 : Q6                                                         | (E17a) | <b>0,0519</b> | Jam       |                               |
| 2.g. | <u>PNEUMATIC TIRE ROLLER</u>                                                                 | (E18)  |               |           |                               |
|      | Kecepatan rata-rata                                                                          | v      | 2,50          | KM / jam  |                               |
|      | Lebar efektif pemadatan                                                                      | b      | 1,90          | M         |                               |
|      | Jumlah lintasan                                                                              | n      | 8,00          | lintasan  |                               |
|      | Lajur lintasan                                                                               | N      | 3,00          |           |                               |
|      | Lebar Overlap                                                                                | bo     | 0,30          | M         |                               |
|      | Faktor Efisiensi alat                                                                        | Fa     | 0,83          | -         |                               |
|      | Kap. Prod./jam = $\frac{(v \times 1000) \times (N(b-bo)+bo) \times Fa \times t}{n \times N}$ | Q7     | 13,23         | ton       |                               |
|      | <b>Koefisien Alat / ton</b> = 1 : Q7                                                         | (E18)  | <b>0,0756</b> | Jam       |                               |

Berlanjut ke hal. berikut.

ITEM PEMBAYARAN NO. : 6.3(3)  
 JENIS PEKERJAAN : Lataston Lapis Aus (HRS-WC)  
 SATUAN PEMBAYARAN : Ton

Analisa EI-633a

URAIAN ANALISA HARGA SATUAN

Lanjutan

| No.  | URAIAN                                                                                                                                                                                                                                                                                                 | KODE                                         | KOEF.                                                                      | SATUAN                                             | KETERANGAN |
|------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------|----------------------------------------------------------------------------|----------------------------------------------------|------------|
| 2.h. | <b>ALAT BANTU</b><br>diperlukan :<br>- Kereta dorong<br>- Sekop<br>- Garpu<br>- Tongkat Kontrol ketebalan hanpanan                                                                                                                                                                                     |                                              |                                                                            |                                                    | Lump Sum   |
| 3.   | <b>TENAGA</b><br>Produksi menentukan : AMP<br>Produksi HRS / hari = Tk x Q5<br>Kebutuhan tenaga :<br>- Pekerja<br>- Mandor<br><br><b>Koefisien Tenaga / ton :</b><br>- Pekerja = (Tk x P) / Qt<br>- Mandor = (Tk x M) / Qt                                                                             | Q5<br>Qt<br><br>P<br>M<br><br>(L01)<br>(L03) | 49,80<br>348,60<br><br>10,00<br>1,00<br><br><b>0,2008</b><br><b>0,0201</b> | ton<br>ton<br><br>orang<br>orang<br><br>Jam<br>Jam |            |
| 4.   | <b>HARGA DASAR SATUAN UPAH, BAHAN DAN ALAT</b><br>Lihat lampiran.                                                                                                                                                                                                                                      |                                              |                                                                            |                                                    |            |
| 5.   | <b>ANALISA HARGA SATUAN PEKERJAAN</b><br>Lihat perhitungan dalam FORMULIR STANDAR UNTUK PEREKAMAN ANALISA MASING-MASING HARGA SATUAN.<br>Didapat Harga Satuan Pekerjaan :<br><div style="border: 1px solid black; padding: 5px; margin-top: 5px;">             Rp. 2.052.091,40 / TON           </div> |                                              |                                                                            |                                                    |            |
| 6.   | <b>WAKTU PELAKSANAAN YANG DIPERLUKAN</b><br>Masa Pelaksanaan : ..... bulan                                                                                                                                                                                                                             |                                              |                                                                            |                                                    |            |
| 7.   | <b>VOLUME PEKERJAAN YANG DIPERLUKAN</b><br>Volume pekerjaan : 0,00 ton                                                                                                                                                                                                                                 |                                              |                                                                            |                                                    |            |

**FORMULIR STANDAR UNTUK  
PEREKAMAN ANALISA MASING-MASING HARGA SATUAN**

PROYEK :

No. PAKET KONTRAK :

NAMA PAKET :

PROP / KAB / KODYA :

ITEM PEMBAYARAN NO. :

JENIS PEKERJAAN :

SATUAN PEMBAYARAN :

: 6.1 (2a)

: Lapis Perekat - Aspal Cair/Emulsi

: Liter

PERKIRAAN VOL. PEK. :

TOTAL HARGA (Rp.) :

% THD. BIAYA PROYEK :

| NO.                           | KOMPONEN                                                      | SATUAN | PERKIRAAN Kuantitas | HARGA SATUAN (Rp.) | JUMLAH HARGA (Rp.) |
|-------------------------------|---------------------------------------------------------------|--------|---------------------|--------------------|--------------------|
| <b>A.</b>                     | <b><u>TENAGA</u></b>                                          |        |                     |                    |                    |
| 1.                            | Pekerja (L01)                                                 | Jam    | 0,0016              | 130.000,00         | 210,94             |
| 2.                            | Mandor (L03)                                                  | Jam    | 0,0008              | 300.000,00         | 243,40             |
| <b>JUMLAH HARGA TENAGA</b>    |                                                               |        |                     |                    | <b>454,34</b>      |
| <b>B.</b>                     | <b><u>BAHAN</u></b>                                           |        |                     |                    |                    |
| 1.                            | Aspal Emulsi CRS-1 atau RS-1 (M31b)                           | Liter  | 1,7167              | 12.300,00          | 21.115,00          |
| <b>JUMLAH HARGA BAHAN</b>     |                                                               |        |                     |                    | <b>21.115,00</b>   |
| <b>C.</b>                     | <b><u>PERALATAN</u></b>                                       |        |                     |                    |                    |
| 1.                            | Asp. Distributor E41                                          | Jam    | 0,0002              | 436.203,83         | 87,59              |
| 2.                            | Compressor E05                                                | Jam    | 0,0020              | 250.761,00         | 503,54             |
| 3.                            | Power Broom E03                                               | Jam    | 0,0008              | 112.858,00         | 91,56              |
| <b>JUMLAH HARGA PERALATAN</b> |                                                               |        |                     |                    | <b>682,69</b>      |
| <b>D.</b>                     | <b>JUMLAH HARGA TENAGA, BAHAN DAN PERALATAN ( A + B + C )</b> |        |                     |                    | <b>22.252,03</b>   |
| <b>E.</b>                     | <b>OVERHEAD &amp; PROFIT 10,0 % x D</b>                       |        |                     |                    | <b>2.225,20</b>    |
| <b>F.</b>                     | <b>HARGA SATUAN PEKERJAAN ( D + E )</b>                       |        |                     |                    | <b>24.477,24</b>   |

- Note: 1 Satuan dapat berdasarkan atas jam operasi untuk Tenaga Kerja dan Peralatan, volume dan/atau ukuran berat untuk bahan-bahan.
- 2 Kuantitas satuan adalah kuantitas perkiraan setiap komponen untuk menyelesaikan satu satuan pekerjaan dari nomor mata pembayaran. Harga Satuan yang disampaikan Penyedia Jasa tidak dapat diubah kecuali terdapat Penyesuaian Harga (Eskalasi/Deskalisasi) sesuai ketentuan dalam Instruksi Kepada Peserta Lelang
- 3 Biaya satuan untuk peralatan sudah termasuk bahan bakar, bahan habis dipakai dan operator.
- 4 Biaya satuan sudah termasuk pengeluaran untuk seluruh pajak yang berkaitan (tetapi tidak termasuk PPN yang dibayar dari kontrak) dan biaya-biaya lainnya.

ITEM PEMBAYARAN NO. : 6.1 (2a)  
 JENIS PEKERJAAN : Lapis Perekat - Aspal Cair/Emulsi  
 SATUAN PEMBAYARAN : Liter

Analisa EI-612b

URAIAN ANALISA HARGA SATUAN

| No.  | U R A I A N                                                                                         | KODE   | KOEF.    | SATUAN      | KETERANGAN    |
|------|-----------------------------------------------------------------------------------------------------|--------|----------|-------------|---------------|
| I.   | <b>ASUMSI</b>                                                                                       |        |          |             |               |
| 1    | Menggunakan alat berat (cara mekanik)                                                               |        |          |             |               |
| 2    | Lokasi pekerjaan : sepanjang jalan                                                                  |        |          |             |               |
| 3    | Jarak rata-rata Base Camp ke lokasi pekerjaan                                                       | L      | 5,00     | KM          |               |
| 4    | Jam kerja efektif per-hari                                                                          | Tk     | 7,00     | Jam         |               |
| 5    | Faktor kehilangan bahan                                                                             | Fh     | 1,03     | -           |               |
| 6    | Bahan :                                                                                             |        |          |             |               |
|      | - Kadar Residu Aspal Emulsi                                                                         | As     | 60       | %           |               |
| 7    | Berat isi bahan :                                                                                   |        |          |             |               |
|      | - Aspal Emulsi                                                                                      | D1     | 1,01     | Kg / liter  |               |
| 8    | Bahan dasar (aspal emulsi) semuanya diterima di lokasi pekerjaan                                    |        |          |             |               |
| II.  | <b>URUTAN KERJA</b>                                                                                 |        |          |             |               |
| 1    | Aspal Emulsi dimasukkan ke dalam distributor aspal                                                  |        |          |             |               |
| 2    | Permukaan yang akan dilapis dibersihkan dari debu dan kotoran dengan Power Broom dan Air Compressor |        |          |             |               |
| 3    | Campuran aspal cair disemprotkan dengan Asphalt Distributor ke atas permukaan yang akan dilapis.    |        |          |             |               |
| III. | <b>PEMAKAIAN BAHAN, ALAT DAN TENAGA</b>                                                             |        |          |             |               |
| 1.   | <b>BAHAN</b>                                                                                        |        |          |             |               |
|      | Untuk mendapatkan 1 liter Lapis Perekat diperlukan : ( 1 liter x Fh )                               | PC     | 1,03     | liter       |               |
| 1.a. | Aspal = $\frac{PC}{Ae}$                                                                             | (M102) | 1,7167   | Liter       |               |
| 2.   | <b>ALAT</b>                                                                                         |        |          |             |               |
| 2.a. | <u>ASPHALT DISTRIBUTOR</u>                                                                          | (E41)  |          |             |               |
|      | Lebar penyemprotan                                                                                  | b      | 3,00     | M           |               |
|      | Kecepatan penyemprotan                                                                              | v      | 30,00    | M/menit     |               |
|      | Kapasitas pompa aspal                                                                               | pa     | 100      | liter/menit |               |
|      | Faktor efisiensi kerja                                                                              | Fa     | 0,83     |             |               |
|      | Kadar aplikasi                                                                                      |        | 0,85     | liter/m2    | Table 6.1.4.1 |
|      | Kap. Prod. / jam = pa x Fa x 60                                                                     | Q1     | 4.980,00 | liter       |               |
|      | <b>Koefisien Alat / Ltr</b> = 1 : Q1                                                                | (E41)  | 0,00020  | Jam         |               |
| 2.b. | <u>AIR COMPRESSOR</u>                                                                               | (E05)  |          |             |               |
|      | Kecepatan                                                                                           | v1     | 10,00    | m2/menit    |               |
|      | Lebar penyemprotan                                                                                  | b      | 3,50     | m           |               |
|      | <b>Faktor efisiensi alat</b> = 1 : Q2                                                               | Fa     | 0,83     |             |               |
|      | Kadar Aspal yang digunakan                                                                          | Kdr    | 0,165    | liter/m2    | 0,12-0,21     |
|      | Kap. Prod. / jam = v1 x Fa x 60                                                                     | Q2     | 498,00   | m2/jam      |               |
|      | <b>Koefisien Alat / Ltr</b> = 1 : Q2                                                                | (E05)  | 0,00201  | Jam         |               |

Berlanjut ke hal. berikut.

ITEM PEMBAYARAN NO. : 6.1 (2a)  
 JENIS PEKERJAAN : Lapis Perekat - Aspal Cair/Emulsi  
 SATUAN PEMBAYARAN : Liter

Analisa EI-612b

URAIAN ANALISA HARGA SATUAN

Lanjutan

| No.  | URAIAN                                                                                                                                                                                                                                                                                                  | KODE                                                          | KOEF.                                                                                      | SATUAN                                                                | KETERANGAN |
|------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------|--------------------------------------------------------------------------------------------|-----------------------------------------------------------------------|------------|
| 2.c. | <b>POWER BROOM</b><br>Kecepatan<br>Lebar sapu<br>Faktor efisiensi alat<br>Kadar Aspal<br>Kap. Prod. /jam = $v1 \times 1000 \times b \times Fa \times Kdr$<br><br><b>Koefisien Alat / Ltr = 1 : Q3</b>                                                                                                   | (E00)<br>v1<br>b<br>Fa<br>Kdr<br>Q3                           | <br>5,00<br>1,80<br>0,83<br>0,165<br>1.232,55                                              | km/jam<br>m<br><br>liter/m2<br>liter                                  | 0.12-0.21  |
| 3.   | <b>TENAGA</b><br>Produksi menentukan : POWER BROOM<br>Produksi Lapis Perekat / hari = $Tk \times Q4$<br>Kebutuhan tenaga :<br>- Pekerja<br>- Mandor<br><br><b>Koefisien tenaga / liter :</b><br>- Pekerja = $(Tk \times P) : Qt$<br>- Mandor = $(Tk \times M) : Qt$                                     | (E03)<br><br><br>Q4<br>Qt<br><br>P<br>M<br><br>(L01)<br>(L03) | <br><br><br>1.232,55<br>8.627,85<br><br>2,00<br>1,00<br><br><b>0,0016</b><br><b>0,0008</b> | Jam<br><br><br>liter<br>liter<br><br>orang<br>orang<br><br>Jam<br>Jam |            |
| 4.   | <b>HARGA DASAR SATUAN UPAH, BAHAN DAN ALAT</b><br>Lihat lampiran.                                                                                                                                                                                                                                       |                                                               |                                                                                            |                                                                       |            |
| 5.   | <b>ANALISA HARGA SATUAN PEKERJAAN</b><br>Lihat perhitungan dalam FORMULIR STANDAR UNTUK PEREKAMAN ANALISA MASING-MASING HARGA SATUAN.<br>Didapat Harga Satuan Pekerjaan :<br><div style="border: 1px solid black; padding: 5px; margin-top: 10px;">             Rp. 24.477,24 / liter.           </div> |                                                               |                                                                                            |                                                                       |            |
| 6.   | <b>WAKTU PELAKSANAAN YANG DIPERLUKAN</b><br>Masa Pelaksanaan : ..... bulan                                                                                                                                                                                                                              |                                                               |                                                                                            |                                                                       |            |
| 7.   | <b>VOLUME PEKERJAAN YANG DIPERLUKAN</b><br>Volume pekerjaan : 0,00 Liter                                                                                                                                                                                                                                |                                                               |                                                                                            |                                                                       |            |

## ANALISA HARGA SATUAN PEKERJAAN 2023

| 1.1.2.2                   | 1 buah papan nama pekerjaan ukuran 0.6x0.8 menggunakan multiplex 10 mm. frame alluminium siku & tiang kayu 5/7. printing banner plastik (Lihat Peraturan Menteri Pekerjaan Umum dan Perumahan Rakyat Nomor 8 Tahun 2023 Lampiran B U.1.3.f.2 (a)) |      |        |           |                 |                 |
|---------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------|--------|-----------|-----------------|-----------------|
| No                        | Uraian                                                                                                                                                                                                                                            | Kode | Satuan | Koefisien | HargaSatuan(Rp) | JumlahHarga(Rp) |
| A                         | Tenaga Kerja                                                                                                                                                                                                                                      |      |        |           |                 |                 |
|                           | Pekerja                                                                                                                                                                                                                                           | L.01 | OH     | 0,750     | Rp 130.000,00   | Rp 97.500,00    |
|                           | Tukang Kayu                                                                                                                                                                                                                                       | L.02 | OH     | 0,750     | Rp 175.000,00   | Rp 131.250,00   |
|                           | Kepala Tukang                                                                                                                                                                                                                                     | L.03 | OH     | 0,100     | Rp 250.000,00   | Rp 25.000,00    |
|                           | Mandor                                                                                                                                                                                                                                            | L.04 | OH     | 0,075     | Rp 300.000,00   | Rp 22.500,00    |
| Jumlah Harga Tenaga Kerja |                                                                                                                                                                                                                                                   |      |        |           |                 | Rp 276.250,00   |
| B                         | Bahan                                                                                                                                                                                                                                             |      |        |           |                 |                 |
|                           | Multiplex tebal 9 mm*)                                                                                                                                                                                                                            |      | lembar | 0,180     |                 | Rp -            |
|                           | Kayu Balok K-III                                                                                                                                                                                                                                  |      | m3     | 0,021     | Rp 1.890.000,00 | Rp 39.690,00    |
|                           | Frame allum L. 10.1 **)                                                                                                                                                                                                                           |      | kg     | 0,100     |                 | Rp -            |
|                           | Banner plastik 0.6 x 0.8 m                                                                                                                                                                                                                        |      | lbr    | 1,000     | Rp 20.000,00    | Rp 20.000,00    |
|                           | Paku Kayu                                                                                                                                                                                                                                         |      | kg     | 1,250     | Rp 25.000,00    | Rp 31.250,00    |
|                           | Cat kayu                                                                                                                                                                                                                                          |      | kg     | 1,500     |                 |                 |
| Jumlah Harga Bahan        |                                                                                                                                                                                                                                                   |      |        |           |                 | Rp 90.940,00    |
| C                         | Peralatan                                                                                                                                                                                                                                         |      |        |           |                 |                 |
|                           | waterpass                                                                                                                                                                                                                                         |      | hari   | 0,006     | Rp -            | Rp -            |
| Jumlah Harga Alat         |                                                                                                                                                                                                                                                   |      |        |           |                 | Rp -            |
| D                         | Jumlah Harga Tenaga Kerja, Bahan dan Peralatan (A+B+C)                                                                                                                                                                                            |      |        |           |                 | Rp 367.190,00   |
| E                         | Biaya Umum dan Keuntungan (10% - 15%) x D                                                                                                                                                                                                         |      |        |           | 15% x D         | Rp 55.078,50    |
| F                         | Harga Satuan Pekerjaan (D+E)                                                                                                                                                                                                                      |      |        |           |                 | Rp 422.268,50   |
| 1.1.4.2                   | Pasang Bouwplank m'                                                                                                                                                                                                                               |      |        |           |                 |                 |
| No                        | Uraian                                                                                                                                                                                                                                            | Kode | Satuan | Koefisien | HargaSatuan(Rp) | JumlahHarga(Rp) |
| A                         | Tenaga Kerja                                                                                                                                                                                                                                      |      |        |           |                 |                 |
|                           | Pekerja                                                                                                                                                                                                                                           | L.01 | OH     | 0,0120    | Rp 130.000,00   | Rp 1.560,00     |
|                           | Tukang Kayu                                                                                                                                                                                                                                       | L.02 | OH     | 0,0060    | Rp 175.000,00   | Rp 1.050,00     |
|                           | Kepala Tukang                                                                                                                                                                                                                                     | L.03 | OH     | 0,0006    | Rp 250.000,00   | Rp 150,00       |
|                           | Mandor                                                                                                                                                                                                                                            | L.04 | OH     | 0,0012    | Rp 300.000,00   | Rp 360,00       |
| Jumlah Harga Tenaga Kerja |                                                                                                                                                                                                                                                   |      |        |           |                 | Rp 3.120,00     |
| B                         | Bahan                                                                                                                                                                                                                                             |      |        |           |                 |                 |
|                           | Kaso 5/7 cm                                                                                                                                                                                                                                       |      | m3     | 0,013     | Rp 2.363.000,00 | Rp 30.719,00    |
|                           | Kayu papan 2/20 cm kayu hutan                                                                                                                                                                                                                     |      | m3     | 0,007     | Rp 1.890.000,00 | Rp 13.230,00    |
|                           | Paku campuran 2 cm dan 5 cm                                                                                                                                                                                                                       |      | kg     | 0,02      | Rp 25.000,00    | Rp 500,00       |
| Jumlah Harga Bahan        |                                                                                                                                                                                                                                                   |      |        |           |                 | Rp 44.449,00    |
| C                         | Peralatan                                                                                                                                                                                                                                         |      |        |           |                 |                 |
|                           | waterpass                                                                                                                                                                                                                                         |      | hari   | 0,006     | Rp -            | Rp -            |
| Jumlah Harga Alat         |                                                                                                                                                                                                                                                   |      |        |           |                 | Rp -            |
| D                         | Jumlah Harga Tenaga Kerja, Bahan dan Peralatan (A+B+C)                                                                                                                                                                                            |      |        |           |                 | Rp 47.569,00    |
| E                         | Biaya Umum dan Keuntungan (10% - 15%) x D                                                                                                                                                                                                         |      |        |           | 15% x D         | Rp 7.135,35     |
| F                         | Harga Satuan Pekerjaan (D+E)                                                                                                                                                                                                                      |      |        |           |                 | Rp 54.704,35    |

|                  |                                                                              |             |               |                  |                        |                        |            |
|------------------|------------------------------------------------------------------------------|-------------|---------------|------------------|------------------------|------------------------|------------|
| <b>1.2.1.1.1</b> | <b>Penggalian tanah biasa sedalam 1m' (untuk volume 0 m3 s.d. 200 m3)</b>    |             |               |                  |                        |                        |            |
| <b>No</b>        | <b>Uraian</b>                                                                | <b>Kode</b> | <b>Satuan</b> | <b>Koefisien</b> | <b>HargaSatuan(Rp)</b> | <b>JumlahHarga(Rp)</b> |            |
| A                | Tenaga Kerja                                                                 |             |               |                  |                        |                        |            |
|                  | Pekerja                                                                      | L.01        | OH            | 0,750            | Rp 130.000,00          | Rp                     | 97.500,00  |
|                  | Mandor                                                                       | L.04        | OH            | 0,038            | Rp 300.000,00          | Rp                     | 11.400,00  |
|                  | Jumlah Harga Tenaga Kerja                                                    |             |               |                  |                        | Rp                     | 108.900,00 |
| B                | Bahan                                                                        |             |               |                  |                        |                        |            |
|                  | Jumlah Harga Bahan                                                           |             |               |                  |                        |                        |            |
| C                | Peralatan                                                                    |             |               |                  |                        |                        |            |
|                  | Jumlah Harga Alat                                                            |             |               |                  |                        |                        |            |
| D                | Jumlah Harga Tenaga Kerja, Bahan dan Peralatan (A+B+C)                       |             |               |                  |                        | Rp                     | 108.900,00 |
| E                | Biaya Umum dan Keuntungan (10% - 15%) x D                                    |             |               |                  | 15% x D                | Rp                     | 16.335,00  |
| F                | Harga Satuan Pekerjaan (D+E)                                                 |             |               |                  |                        | Rp                     | 125.235,00 |
|                  |                                                                              |             |               |                  |                        |                        |            |
| <b>1.2.1.1.4</b> | <b>Penggalian tanah biasa sedalam 1m' - 2m' (untuk volume 0 m3 - 200 m3)</b> |             |               |                  |                        |                        |            |
|                  | <b>Uraian</b>                                                                | <b>Kode</b> | <b>Satuan</b> | <b>Koefisien</b> | <b>HargaSatuan(Rp)</b> | <b>JumlahHarga(Rp)</b> |            |
| A                | Tenaga Kerja                                                                 |             |               |                  |                        |                        |            |
|                  | Pekerja                                                                      | L.01        | OH            | 0,9000           | Rp 130.000,00          | Rp                     | 117.000,00 |
|                  | Mandor                                                                       | L.04        | OH            | 0,0450           | Rp 300.000,00          | Rp                     | 13.500,00  |
|                  | Jumlah Harga Tenaga Kerja                                                    |             |               |                  |                        | Rp                     | 130.500,00 |
| B                | Bahan                                                                        |             |               |                  |                        |                        |            |
|                  | Jumlah Harga Bahan                                                           |             |               |                  |                        |                        |            |
| C                | Peralatan                                                                    |             |               |                  |                        |                        |            |
|                  | Jumlah Harga Alat                                                            |             |               |                  |                        |                        |            |
| D                | Jumlah Harga Tenaga Kerja, Bahan dan Peralatan (A+B+C)                       |             |               |                  |                        | Rp                     | 130.500,00 |
| E                | Biaya Umum dan Keuntungan (10% - 15%) x D                                    |             |               |                  | 15% x D                | Rp                     | 19.575,00  |
| F                | Harga Satuan Pekerjaan (D+E)                                                 |             |               |                  |                        | Rp                     | 150.075,00 |
|                  |                                                                              |             |               |                  |                        |                        |            |
|                  |                                                                              |             |               |                  |                        |                        |            |
| <b>1.3.1.1</b>   | <b>Urukan kembali galian tanah tanpa pemadatan (m3)</b>                      |             |               |                  |                        |                        |            |
|                  | <b>Uraian</b>                                                                | <b>Kode</b> | <b>Satuan</b> | <b>Koefisien</b> | <b>HargaSatuan(Rp)</b> | <b>JumlahHarga(Rp)</b> |            |
| A                | Tenaga Kerja                                                                 |             |               |                  |                        |                        |            |
|                  | Pekerja                                                                      | L.01        | OH            | 0,5000           | Rp 130.000,00          | Rp                     | 65.000,00  |
|                  | Mandor                                                                       | L.04        | OH            | 0,0250           | Rp 300.000,00          | Rp                     | 7.500,00   |
|                  | Jumlah Harga Tenaga Kerja                                                    |             |               |                  |                        | Rp                     | 72.500,00  |
| B                | Bahan                                                                        |             |               |                  |                        |                        |            |
|                  | Jumlah Harga Bahan                                                           |             |               |                  |                        |                        |            |
| C                | Peralatan                                                                    |             |               |                  |                        |                        |            |
|                  | Jumlah Harga Alat                                                            |             |               |                  |                        |                        |            |
| D                | Jumlah Harga Tenaga Kerja, Bahan dan Peralatan (A+B+C)                       |             |               |                  |                        | Rp                     | 72.500,00  |
| E                | Biaya Umum dan Keuntungan (10% - 15%) x D                                    |             |               |                  | 15% x D                | Rp                     | 10.875,00  |
| F                | Harga Satuan Pekerjaan (D+E)                                                 |             |               |                  |                        | Rp                     | 83.375,00  |
|                  |                                                                              |             |               |                  |                        |                        |            |

|                  |                                                                   |             |               |                  |                        |                        |
|------------------|-------------------------------------------------------------------|-------------|---------------|------------------|------------------------|------------------------|
| <b>1.3.1.2</b>   | <b>Urukan dengan pasir urug / Tanah Urug ( vol 0 m3 - 200 m3)</b> |             |               |                  |                        |                        |
|                  | <b>Uraian</b>                                                     | <b>Kode</b> | <b>Satuan</b> | <b>Koefisien</b> | <b>HargaSatuan(Rp)</b> | <b>JumlahHarga(Rp)</b> |
| A                | Tenaga Kerja                                                      |             |               |                  |                        |                        |
|                  | Pekerja                                                           | L.01        | OH            | 0,3000           | Rp 130.000,00          | Rp 39.000,00           |
|                  | Mandor                                                            | L.04        | OH            | 0,0150           | Rp 300.000,00          | Rp 4.500,00            |
|                  | Jumlah Harga Tenaga Kerja                                         |             |               |                  |                        | Rp 43.500,00           |
| B                | Bahan                                                             |             |               |                  |                        |                        |
|                  | Pasir uruk / Tanah Urug                                           |             | m3            | 1,200            | Rp 220.000,00          | Rp 264.000,00          |
|                  | Jumlah Harga Bahan                                                |             |               |                  |                        | Rp 264.000,00          |
| C                | Peralatan                                                         |             |               |                  |                        |                        |
|                  | Jumlah Harga Alat                                                 |             |               |                  |                        |                        |
| D                | Jumlah Harga Tenaga Kerja, Bahan dan Peralatan (A+B+C)            |             |               |                  |                        | Rp 307.500,00          |
| E                | Biaya Umum dan Keuntungan (10% - 15%) x D                         |             |               |                  | 15% x D                | Rp 46.125,00           |
| F                | Harga Satuan Pekerjaan (D+E)                                      |             |               |                  |                        | Rp 353.625,00          |
|                  |                                                                   |             |               |                  |                        |                        |
| <b>1.3.1.2.a</b> | <b>Urukan dengan tanah subur ( vol 0 m3 - 200 m3)</b>             |             |               |                  |                        |                        |
|                  | <b>Uraian</b>                                                     | <b>Kode</b> | <b>Satuan</b> | <b>Koefisien</b> | <b>HargaSatuan(Rp)</b> | <b>JumlahHarga(Rp)</b> |
| A                | Tenaga Kerja                                                      |             |               |                  |                        |                        |
|                  | Pekerja                                                           | L.01        | OH            | 0,3000           | Rp 130.000,00          | Rp 39.000,00           |
|                  | Mandor                                                            | L.04        | OH            | 0,0150           | Rp 300.000,00          | Rp 4.500,00            |
|                  | Jumlah Harga Tenaga Kerja                                         |             |               |                  |                        | Rp 43.500,00           |
| B                | Bahan                                                             |             |               |                  |                        |                        |
|                  | Tanah subur                                                       |             | m3            | 1,200            | Rp 315.000,00          | Rp 378.000,00          |
|                  | Jumlah Harga Bahan                                                |             |               |                  |                        | Rp 378.000,00          |
| C                | Peralatan                                                         |             |               |                  |                        |                        |
|                  | Jumlah Harga Alat                                                 |             |               |                  |                        |                        |
| D                | Jumlah Harga Tenaga Kerja, Bahan dan Peralatan (A+B+C)            |             |               |                  |                        | Rp 421.500,00          |
| E                | Biaya Umum dan Keuntungan (10% - 15%) x D                         |             |               |                  | 15% x D                | Rp 63.225,00           |
| F                | Harga Satuan Pekerjaan (D+E)                                      |             |               |                  |                        | Rp 484.725,00          |
|                  |                                                                   |             |               |                  |                        |                        |
| <b>1.3.1.4</b>   | <b>Urukan tanah biasa atau tanah liat berpasir</b>                |             |               |                  |                        |                        |
|                  | <b>Uraian</b>                                                     | <b>Kode</b> | <b>Satuan</b> | <b>Koefisien</b> | <b>HargaSatuan(Rp)</b> | <b>JumlahHarga(Rp)</b> |
| A                | Tenaga Kerja                                                      |             |               |                  |                        |                        |
|                  | Pekerja                                                           | L.01        | OH            | 0,1000           | Rp 130.000,00          | Rp 13.000,00           |
|                  | Mandor                                                            | L.04        | OH            | 0,0100           | Rp 300.000,00          | Rp 3.000,00            |
|                  | Jumlah Harga Tenaga Kerja                                         |             |               |                  |                        | Rp 16.000,00           |
| B                | Bahan                                                             |             |               |                  |                        |                        |
|                  | Pasir uruk                                                        |             | m3            | 1,400            | Rp 220.000,00          | Rp 308.000,00          |
|                  | Jumlah Harga Bahan                                                |             |               |                  |                        | Rp 308.000,00          |
| C                | Peralatan                                                         |             |               |                  |                        |                        |
|                  | Jumlah Harga Alat                                                 |             |               |                  |                        |                        |
| D                | Jumlah Harga Tenaga Kerja, Bahan dan Peralatan (A+B+C)            |             |               |                  |                        | Rp 324.000,00          |
| E                | Biaya Umum dan Keuntungan (10% - 15%) x D                         |             |               |                  | 15% x D                | Rp 48.600,00           |
| F                | Harga Satuan Pekerjaan (D+E)                                      |             |               |                  |                        | Rp 372.600,00          |
|                  |                                                                   |             |               |                  |                        |                        |

|                  |                                                        |             |               |                  |                          |                          |
|------------------|--------------------------------------------------------|-------------|---------------|------------------|--------------------------|--------------------------|
| <b>2.2.1.1.3</b> | <b>1 Kg penulangan / pembesian (manual)</b>            |             |               |                  |                          |                          |
|                  | <b>Uraian</b>                                          | <b>Kode</b> | <b>Satuan</b> | <b>Koefisien</b> | <b>Harga Satuan (Rp)</b> | <b>Jumlah Harga (Rp)</b> |
| A                | Tenaga Kerja                                           |             |               |                  |                          |                          |
|                  | Pekerja                                                | L.01        | OH            | 0,0016           | Rp 130.000,00            | Rp 208,00                |
|                  | Tukang Besi / Tukang Beton                             | L.02        | OH            | 0,0016           | Rp 175.000,00            | Rp 280,00                |
|                  | Kepala Tukang                                          | L.03        | OH            | 0,00016          | Rp 250.000,00            | Rp 40,00                 |
|                  | Mandor                                                 | L.04        | OH            | 0,00016          | Rp 300.000,00            | Rp 48,00                 |
|                  | Jumlah Harga Tenaga Kerja                              |             |               |                  |                          | Rp 576,00                |
| B                | Bahan                                                  |             |               |                  |                          |                          |
|                  | BjTP atau BjTS *)                                      |             | kg            | 1,0200           | Rp 14.000,00             | Rp 14.280,00             |
|                  | Kawat tali beton                                       |             | kg            | 0,0280           | Rp 30.000,00             | Rp 840,00                |
|                  | Jumlah Harga Bahan                                     |             |               |                  |                          | Rp 15.120,00             |
| C                | Peralatan                                              |             |               |                  |                          |                          |
|                  | Jumlah Harga Alat                                      |             |               |                  |                          |                          |
| D                | Jumlah Harga Tenaga Kerja, Bahan dan Peralatan (A+B+C) |             |               |                  |                          | Rp 15.696,00             |
| E                | Biaya Umum dan Keuntungan (10% - 15%) x D              |             |               |                  | 15% x D                  | Rp 2.354,40              |
| F                | Harga Satuan Pekerjaan (D+E)                           |             |               |                  |                          | Rp 18.050,40             |
| <b>2.2.1.3.1</b> | <b>Pemasangan 1m2 bekisting untuk pondasi telapak</b>  |             |               |                  |                          |                          |
|                  | <b>Uraian</b>                                          | <b>Kode</b> | <b>Satuan</b> | <b>Koefisien</b> | <b>Harga Satuan (Rp)</b> | <b>Jumlah Harga (Rp)</b> |
| A                | Tenaga Kerja                                           |             |               |                  |                          |                          |
|                  | Pekerja                                                | L.01        | OH            | 0,52000          | Rp 130.000,00            | Rp 67.600,00             |
|                  | Tukang Kayu                                            | L.02        | OH            | 0,26000          | Rp 175.000,00            | Rp 45.500,00             |
|                  | Kepala Tukang                                          | L.03        | OH            | 0,02600          | Rp 250.000,00            | Rp 6.500,00              |
|                  | Mandor                                                 | L.04        | OH            | 0,00900          | Rp 300.000,00            | Rp 2.700,00              |
|                  | Jumlah Harga Tenaga Kerja                              |             |               |                  |                          | Rp 122.300,00            |
| B                | Bahan                                                  |             |               |                  |                          |                          |
|                  | Papan kayu kelas III                                   |             | m3            | 0,036            | Rp 1.890.000,00          | Rp 68.040,00             |
|                  | Paku 5-10 cm                                           |             | kg            | 0,300            | Rp 25.000,00             | Rp 7.500,00              |
|                  | Minyak bekisting                                       |             | Liter         | 0,100            | Rp 7.000,00              | Rp 700,00                |
|                  | Jumlah Harga Bahan                                     |             |               |                  |                          | Rp 76.240,00             |
| C                | Peralatan                                              |             |               |                  |                          |                          |
|                  | Jumlah Harga Alat                                      |             |               |                  |                          |                          |
| D                | Jumlah Harga Tenaga Kerja, Bahan dan Peralatan (A+B+C) |             |               |                  |                          | Rp 198.540,00            |
| E                | Biaya Umum dan Keuntungan (10% - 15%) x D              |             |               |                  | 15% x D                  | Rp 29.781,00             |
| F                | Harga Satuan Pekerjaan (D+E)                           |             |               |                  |                          | Rp 228.321,00            |

|                  |                                                                                    |             |               |                  |                        |                        |            |
|------------------|------------------------------------------------------------------------------------|-------------|---------------|------------------|------------------------|------------------------|------------|
| <b>2.2.1.3.2</b> | <b>Pemasangan 1m2 bekisting bata merah (5x11x22) cm tebal 1/2 batu (1SP : 5PP)</b> |             |               |                  |                        |                        |            |
|                  | <b>Uraian</b>                                                                      | <b>Kode</b> | <b>Satuan</b> | <b>Koefisien</b> | <b>HargaSatuan(Rp)</b> | <b>JumlahHarga(Rp)</b> |            |
| A                | Tenaga Kerja                                                                       |             |               |                  |                        |                        |            |
|                  | Pekerja                                                                            | L.01        | OH            | 0,30000          | Rp 130.000,00          | Rp                     | 39.000,00  |
|                  | Tukang Kayu                                                                        | L.02        | OH            | 0,10000          | Rp 175.000,00          | Rp                     | 17.500,00  |
|                  | Kepala Tukang                                                                      | L.03        | OH            | 0,01000          | Rp 250.000,00          | Rp                     | 2.500,00   |
|                  | Mandor                                                                             | L.04        | OH            | 0,01500          | Rp 300.000,00          | Rp                     | 4.500,00   |
|                  | Jumlah Harga Tenaga Kerja                                                          |             |               |                  |                        | Rp                     | 63.500,00  |
| B                | Bahan                                                                              |             |               |                  |                        |                        |            |
|                  | Bata merah                                                                         |             | Buah          | 70,000           | Rp 1.200,00            | Rp                     | 84.000,00  |
|                  | Semen Portland                                                                     |             | Kg            | 9,680            | Rp 1.400,00            | Rp                     | 13.552,00  |
|                  | Pasir pasang                                                                       |             | m3            | 0,045            | Rp 310.000,00          | Rp                     | 13.950,00  |
|                  | Jumlah Harga Bahan                                                                 |             |               |                  |                        | Rp                     | 111.502,00 |
| C                | Peralatan                                                                          |             |               |                  |                        |                        |            |
|                  | Jumlah Harga Alat                                                                  |             |               |                  |                        |                        |            |
| D                | Jumlah Harga Tenaga Kerja, Bahan dan Peralatan (A+B+C)                             |             |               |                  |                        | Rp                     | 175.002,00 |
| E                | Biaya Umum dan Keuntungan (10% - 15%) x D                                          |             |               |                  | 15% x D                | Rp                     | 26.250,30  |
| F                | Harga Satuan Pekerjaan (D+E)                                                       |             |               |                  |                        | Rp                     | 201.252,30 |
|                  |                                                                                    |             |               |                  |                        |                        |            |
| <b>2.2.1.3.3</b> | <b>Pemasangan 1m2 bekisting untuk sloof ( 1 kali pakai )</b>                       |             |               |                  |                        |                        |            |
|                  | <b>Uraian</b>                                                                      | <b>Kode</b> | <b>Satuan</b> | <b>Koefisien</b> | <b>HargaSatuan(Rp)</b> | <b>JumlahHarga(Rp)</b> |            |
| A                | Tenaga Kerja                                                                       |             |               |                  |                        |                        |            |
|                  | Pekerja                                                                            | L.01        | OH            | 0,52000          | Rp 130.000,00          | Rp                     | 67.600,00  |
|                  | Tukang Kayu                                                                        | L.02        | OH            | 0,26000          | Rp 175.000,00          | Rp                     | 45.500,00  |
|                  | Kepala Tukang                                                                      | L.03        | OH            | 0,02600          | Rp 250.000,00          | Rp                     | 6.500,00   |
|                  | Mandor                                                                             | L.04        | OH            | 0,00900          | Rp 300.000,00          | Rp                     | 2.700,00   |
|                  | Jumlah Harga Tenaga Kerja                                                          |             |               |                  |                        | Rp                     | 122.300,00 |
| B                | Bahan                                                                              |             |               |                  |                        |                        |            |
|                  | Papan kayu kelas III                                                               |             | m3            | 0,036            | Rp 1.890.000,00        | Rp                     | 68.040,00  |
|                  | Kaso 5/7 kayu klas III                                                             |             | m3            | 0,016            | Rp 2.363.000,00        | Rp                     | 37.808,00  |
|                  | Paku 5-10 cm                                                                       |             | kg            | 0,300            | Rp 25.000,00           | Rp                     | 7.500,00   |
|                  | Minyak bekisting                                                                   |             | Liter         | 0,100            | Rp 7.000,00            | Rp                     | 700,00     |
|                  | Jumlah Harga Bahan                                                                 |             |               |                  |                        | Rp                     | 114.048,00 |
| C                | Peralatan                                                                          |             |               |                  |                        |                        |            |
|                  | Jumlah Harga Alat                                                                  |             |               |                  |                        |                        |            |
| D                | Jumlah Harga Tenaga Kerja, Bahan dan Peralatan (A+B+C)                             |             |               |                  |                        | Rp                     | 236.348,00 |
| E                | Biaya Umum dan Keuntungan (10% - 15%) x D                                          |             |               |                  | 15% x D                | Rp                     | 35.452,20  |
| F                | Harga Satuan Pekerjaan (D+E)                                                       |             |               |                  |                        | Rp                     | 271.800,20 |
|                  |                                                                                    |             |               |                  |                        |                        |            |

|                  |                                                              |             |               |                  |                        |                        |
|------------------|--------------------------------------------------------------|-------------|---------------|------------------|------------------------|------------------------|
| <b>2.2.1.3.4</b> | <b>Pemasangan 1m2 bekisting untuk kolom ( 2 kali pakai )</b> |             |               |                  |                        |                        |
|                  | <b>Uraian</b>                                                | <b>Kode</b> | <b>Satuan</b> | <b>Koefisien</b> | <b>HargaSatuan(Rp)</b> | <b>JumlahHarga(Rp)</b> |
| A                | Tenaga Kerja                                                 |             |               |                  |                        |                        |
|                  | Pekerja                                                      | L.01        | OH            | 0,66000          | Rp 130.000,00          | Rp 85.800,00           |
|                  | Tukang Kayu                                                  | L.02        | OH            | 0,33000          | Rp 175.000,00          | Rp 57.750,00           |
|                  | Kepala Tukang                                                | L.03        | OH            | 0,03300          | Rp 250.000,00          | Rp 8.250,00            |
|                  | Mandor                                                       | L.04        | OH            | 0,01100          | Rp 300.000,00          | Rp 3.300,00            |
|                  | Jumlah Harga Tenaga Kerja                                    |             |               |                  |                        | Rp 155.100,00          |
| B                | Bahan                                                        |             |               |                  |                        |                        |
|                  | Paku 5 – 12 cm                                               |             | kg            | 0,300            | Rp 25.000,00           | Rp 7.500,00            |
|                  | Minyak bekisting                                             |             | liter         | 0,200            | Rp 7.000,00            | Rp 1.400,00            |
|                  | Balok kayu kelas III                                         |             | m3            | 0,009            | Rp 2.363.000,00        | Rp 21.267,00           |
|                  | Papan kayu 2/20 kelas III                                    |             | m3            | 0,022            | Rp 1.890.000,00        | Rp 41.580,00           |
|                  | Dolken kayu 8-10 cm panjang 4 m                              |             | batang        | 0,650            | Rp 16.000,00           | Rp 10.400,00           |
|                  | Jumlah Harga Bahan                                           |             |               |                  |                        | Rp 82.147,00           |
| C                | Peralatan                                                    |             |               |                  |                        |                        |
|                  | Jumlah Harga Alat                                            |             |               |                  |                        |                        |
| D                | Jumlah Harga Tenaga Kerja, Bahan dan Peralatan (A+B+C)       |             |               |                  |                        | Rp 237.247,00          |
| E                | Biaya Umum dan Keuntungan (10% - 15%) x D                    |             |               |                  | 15% x D                | Rp 35.587,05           |
| F                | Harga Satuan Pekerjaan (D+E)                                 |             |               |                  |                        | Rp 272.834,05          |
|                  |                                                              |             |               |                  |                        |                        |
| <b>2.2.1.3.5</b> | <b>Pemasangan 1m2 bekisting untuk balok ( 2 kali pakai )</b> |             |               |                  |                        |                        |
|                  | <b>Uraian</b>                                                | <b>Kode</b> | <b>Satuan</b> | <b>Koefisien</b> | <b>HargaSatuan(Rp)</b> | <b>JumlahHarga(Rp)</b> |
| A                | Tenaga Kerja                                                 |             |               |                  |                        |                        |
|                  | Pekerja                                                      | L.01        | OH            | 0,66000          | Rp 130.000,00          | Rp 85.800,00           |
|                  | Tukang Kayu                                                  | L.02        | OH            | 0,33000          | Rp 175.000,00          | Rp 57.750,00           |
|                  | Kepala Tukang                                                | L.03        | OH            | 0,03300          | Rp 250.000,00          | Rp 8.250,00            |
|                  | Mandor                                                       | L.04        | OH            | 0,01100          | Rp 300.000,00          | Rp 3.300,00            |
|                  | Jumlah Harga Tenaga Kerja                                    |             |               |                  |                        | Rp 155.100,00          |
| B                | Bahan                                                        |             |               |                  |                        |                        |
|                  | Paku 5 – 12 cm                                               |             | kg            | 0,400            | Rp 25.000,00           | Rp 10.000,00           |
|                  | Minyak bekisting                                             |             | liter         | 0,200            | Rp 7.000,00            | Rp 1.400,00            |
|                  | Balok kayu kelas III                                         |             | m3            | 0,013            | Rp 2.363.000,00        | Rp 30.719,00           |
|                  | Papan kayu 2/20 kelas III                                    |             | m3            | 0,022            | Rp 1.890.000,00        | Rp 41.580,00           |
|                  | Dolken kayu 8-10 cm panjang 4 m                              |             | batang        | 0,650            | Rp 16.000,00           | Rp 10.400,00           |
|                  | Jumlah Harga Bahan                                           |             |               |                  |                        | Rp 94.099,00           |
| C                | Peralatan                                                    |             |               |                  |                        |                        |
|                  | Jumlah Harga Alat                                            |             |               |                  |                        |                        |
| D                | Jumlah Harga Tenaga Kerja, Bahan dan Peralatan (A+B+C)       |             |               |                  |                        | Rp 249.199,00          |
| E                | Biaya Umum dan Keuntungan (10% - 15%) x D                    |             |               |                  | 15% x D                | Rp 37.379,85           |
| F                | Harga Satuan Pekerjaan (D+E)                                 |             |               |                  |                        | Rp 286.578,85          |
|                  |                                                              |             |               |                  |                        |                        |

|                  |                                                                    |             |               |                  |                        |                        |
|------------------|--------------------------------------------------------------------|-------------|---------------|------------------|------------------------|------------------------|
| <b>2.2.1.3.6</b> | <b>Pemasangan 1m2 bekisting untuk plat lantai ( 1 kali pakai )</b> |             |               |                  |                        |                        |
|                  | <b>Uraian</b>                                                      | <b>Kode</b> | <b>Satuan</b> | <b>Koefisien</b> | <b>HargaSatuan(Rp)</b> | <b>JumlahHarga(Rp)</b> |
| A                | Tenaga Kerja                                                       |             |               |                  |                        |                        |
|                  | Pekerja                                                            | L.01        | OH            | 0,660            | Rp 130.000,00          | Rp 85.800,00           |
|                  | Tukang Kayu                                                        | L.02        | OH            | 0,330            | Rp 175.000,00          | Rp 57.750,00           |
|                  | Kepala Tukang                                                      | L.03        | OH            | 0,033            | Rp 250.000,00          | Rp 8.250,00            |
|                  | Mandor                                                             | L.04        | OH            | 0,011            | Rp 300.000,00          | Rp 3.300,00            |
|                  | Jumlah Harga Tenaga Kerja                                          |             |               |                  |                        | Rp 155.100,00          |
| B                | Bahan                                                              |             |               |                  |                        |                        |
|                  | Paku 5 – 12 cm                                                     |             | kg            | 0,400            | Rp 25.000,00           | Rp 10.000,00           |
|                  | Minyak bekisting                                                   |             | liter         | 0,200            | Rp 7.000,00            | Rp 1.400,00            |
|                  | Balok kayu kelas III                                               |             | m3            | 0,008            | Rp 2.363.000,00        | Rp 18.904,00           |
|                  | Papan Kayu 2/20 kelas III                                          |             | m3            | 0,036            | Rp 1.890.000,00        | Rp 68.040,00           |
|                  | Dolken kayu 8-10 cm panjang 4 m                                    |             | batang        | 1,950            | Rp 16.000,00           | Rp 31.200,00           |
|                  | Jumlah Harga Bahan                                                 |             |               |                  |                        | Rp 129.544,00          |
| C                | Peralatan                                                          |             |               |                  |                        |                        |
|                  | Jumlah Harga Alat                                                  |             |               |                  |                        |                        |
| D                | Jumlah Harga Tenaga Kerja, Bahan dan Peralatan (A+B+C)             |             |               |                  |                        | Rp 284.644,00          |
| E                | Biaya Umum dan Keuntungan (10% - 15%) x D                          |             |               |                  | 15% x D                | Rp 42.696,60           |
| F                | Harga Satuan Pekerjaan (D+E)                                       |             |               |                  |                        | Rp 327.340,60          |
|                  |                                                                    |             |               |                  |                        |                        |
| <b>2.2.1.3.8</b> | <b>Pemasangan 1m2 bekisting untuk tangga ( 1 kali pakai )</b>      |             |               |                  |                        |                        |
|                  | <b>Uraian</b>                                                      | <b>Kode</b> | <b>Satuan</b> | <b>Koefisien</b> | <b>HargaSatuan(Rp)</b> | <b>JumlahHarga(Rp)</b> |
| A                | Tenaga Kerja                                                       |             |               |                  |                        |                        |
|                  | Pekerja                                                            | L.01        | OH            | 0,660            | Rp 130.000,00          | Rp 85.800,00           |
|                  | Tukang Kayu                                                        | L.02        | OH            | 0,330            | Rp 175.000,00          | Rp 57.750,00           |
|                  | Kepala Tukang                                                      | L.03        | OH            | 0,033            | Rp 250.000,00          | Rp 8.250,00            |
|                  | Mandor                                                             | L.04        | OH            | 0,011            | Rp 300.000,00          | Rp 3.300,00            |
|                  | Jumlah Harga Tenaga Kerja                                          |             |               |                  |                        | Rp 155.100,00          |
| B                | Bahan                                                              |             |               |                  |                        |                        |
|                  | Paku 5 – 12 cm                                                     |             | kg            | 0,400            | Rp 25.000,00           | Rp 10.000,00           |
|                  | Minyak bekisting                                                   |             | liter         | 0,150            | Rp 7.000,00            | Rp 1.050,00            |
|                  | Balok kayu kelas III                                               |             | m3            | 0,008            | Rp 2.363.000,00        | Rp 18.904,00           |
|                  | Plywood 12mm                                                       |             | m3            | 0,127            | Rp 1.890.000,00        | Rp 240.030,00          |
|                  | Dolken kayu 8-10 cm panjang 4 m                                    |             | batang        | 0,650            | Rp 16.000,00           | Rp 10.400,00           |
|                  | Jumlah Harga Bahan                                                 |             |               |                  |                        | Rp 280.384,00          |
| C                | Peralatan                                                          |             |               |                  |                        |                        |
|                  | Jumlah Harga Alat                                                  |             |               |                  |                        |                        |
| D                | Jumlah Harga Tenaga Kerja, Bahan dan Peralatan (A+B+C)             |             |               |                  |                        | Rp 435.484,00          |
| E                | Biaya Umum dan Keuntungan (10% - 15%) x D                          |             |               |                  | 15% x D                | Rp 65.322,60           |
| F                | Harga Satuan Pekerjaan (D+E)                                       |             |               |                  |                        | Rp 500.806,60          |
|                  |                                                                    |             |               |                  |                        |                        |

|                  |                                                        |             |               |                  |                          |                          |  |
|------------------|--------------------------------------------------------|-------------|---------------|------------------|--------------------------|--------------------------|--|
| <b>2.2.1.4.1</b> | <b>Membuat beton mutu <math>f'c = 7,5</math> MPa</b>   |             |               |                  |                          |                          |  |
|                  | <b>Uraian</b>                                          | <b>Kode</b> | <b>Satuan</b> | <b>Koefisien</b> | <b>Harga Satuan (Rp)</b> | <b>Jumlah Harga (Rp)</b> |  |
| A                | Tenaga Kerja                                           |             |               |                  |                          |                          |  |
|                  | Pekerja                                                | L.01        | OH            | 1,650            | Rp 130.000,00            | Rp 214.500,00            |  |
|                  | Tukang Batu                                            | L.02        | OH            | 0,275            | Rp 175.000,00            | Rp 48.125,00             |  |
|                  | Kepala Tukang                                          | L.03        | OH            | 0,028            | Rp 250.000,00            | Rp 7.000,00              |  |
|                  | Mandor                                                 | L.04        | OH            | 0,009            | Rp 300.000,00            | Rp 2.700,00              |  |
|                  | Jumlah Harga Tenaga Kerja                              |             |               |                  |                          | Rp 272.325,00            |  |
| B                | Bahan                                                  |             |               |                  |                          |                          |  |
|                  | Semen portland                                         |             | Kg            | 250,00           | Rp 1.400,00              | Rp 350.000,00            |  |
|                  | Pasir beton                                            |             | M3            | 0,63             | Rp 280.000,00            | Rp 177.600,00            |  |
|                  | Batu pecah 2-3 cm                                      |             | M3            | 0,75             | Rp 620.000,00            | Rp 463.392,59            |  |
|                  | Air                                                    |             | Liter         | 202,00           | Rp 250,00                | Rp 50.500,00             |  |
|                  | Jumlah Harga Bahan                                     |             |               |                  |                          | Rp 1.041.492,59          |  |
| C                | Peralatan                                              |             |               |                  |                          |                          |  |
|                  | Jumlah Harga Alat                                      |             |               |                  |                          |                          |  |
| D                | Jumlah Harga Tenaga Kerja, Bahan dan Peralatan (A+B+C) |             |               |                  |                          | Rp 1.313.817,59          |  |
| E                | Biaya Umum dan Keuntungan (10% - 15%) x D              |             |               |                  | 15% x D                  | Rp 197.072,64            |  |
| F                | Harga Satuan Pekerjaan (D+E)                           |             |               |                  |                          | Rp 1.510.890,23          |  |
|                  |                                                        |             |               |                  |                          |                          |  |
| <b>2.2.1.4.2</b> | <b>Membuat beton mutu <math>f'c = 10</math> MPa</b>    |             |               |                  |                          |                          |  |
|                  | <b>Uraian</b>                                          | <b>Kode</b> | <b>Satuan</b> | <b>Koefisien</b> | <b>Harga Satuan (Rp)</b> | <b>Jumlah Harga (Rp)</b> |  |
| A                | Tenaga Kerja                                           |             |               |                  |                          |                          |  |
|                  | Pekerja                                                | L.01        | OH            | 1,650            | Rp 130.000,00            | Rp 214.500,00            |  |
|                  | Tukang Batu                                            | L.02        | OH            | 0,275            | Rp 175.000,00            | Rp 48.125,00             |  |
|                  | Kepala Tukang                                          | L.03        | OH            | 0,028            | Rp 250.000,00            | Rp 7.000,00              |  |
|                  | Mandor                                                 | L.04        | OH            | 0,009            | Rp 300.000,00            | Rp 2.700,00              |  |
|                  | Jumlah Harga Tenaga Kerja                              |             |               |                  |                          | Rp 272.325,00            |  |
| B                | Bahan                                                  |             |               |                  |                          |                          |  |
|                  | Semen portland                                         |             | Kg            | 267,00           | Rp 1.400,00              | Rp 373.800,00            |  |
|                  | Pasir beton                                            |             | M3            | 0,62             | Rp 280.000,00            | Rp 174.200,00            |  |
|                  | Batu pecah 2-3 cm                                      |             | M3            | 0,75             | Rp 620.000,00            | Rp 463.392,59            |  |
|                  | Air                                                    |             | Liter         | 202,00           | Rp 250,00                | Rp 50.500,00             |  |
|                  | Jumlah Harga Bahan                                     |             |               |                  |                          | Rp 1.061.892,59          |  |
| C                | Peralatan                                              |             |               |                  |                          |                          |  |
|                  | Jumlah Harga Alat                                      |             |               |                  |                          |                          |  |
| D                | Jumlah Harga Tenaga Kerja, Bahan dan Peralatan (A+B+C) |             |               |                  |                          | Rp 1.334.217,59          |  |
| E                | Biaya Umum dan Keuntungan (10% - 15%) x D              |             |               |                  | 15% x D                  | Rp 200.132,64            |  |
| F                | Harga Satuan Pekerjaan (D+E)                           |             |               |                  |                          | Rp 1.534.350,23          |  |
|                  |                                                        |             |               |                  |                          |                          |  |

|                  |                                                        |             |               |                  |                        |                        |  |
|------------------|--------------------------------------------------------|-------------|---------------|------------------|------------------------|------------------------|--|
| <b>2.2.1.4.4</b> | <b>Membuat beton mutu f'c = 15 MPa</b>                 |             |               |                  |                        |                        |  |
|                  | <b>Uraian</b>                                          | <b>Kode</b> | <b>Satuan</b> | <b>Koefisien</b> | <b>HargaSatuan(Rp)</b> | <b>JumlahHarga(Rp)</b> |  |
| A                | Tenaga Kerja                                           |             |               |                  |                        |                        |  |
|                  | Pekerja                                                | L.01        | OH            | 1,650            | Rp 130.000,00          | Rp 214.500,00          |  |
|                  | Tukang Batu                                            | L.02        | OH            | 0,275            | Rp 175.000,00          | Rp 48.125,00           |  |
|                  | Kepala Tukang                                          | L.03        | OH            | 0,028            | Rp 250.000,00          | Rp 7.000,00            |  |
|                  | Mandor                                                 | L.04        | OH            | 0,009            | Rp 300.000,00          | Rp 2.700,00            |  |
|                  | Jumlah Harga Tenaga Kerja                              |             |               |                  |                        | Rp 272.325,00          |  |
| B                | Bahan                                                  |             |               |                  |                        |                        |  |
|                  | Semen portland                                         |             | kg            | 322,00           | Rp 1.400,00            | Rp 450.800,00          |  |
|                  | Pasir beton                                            |             | kg            | 0,58             | Rp 280.000,00          | Rp 163.400,00          |  |
|                  | Batu pecah 2-3 cm                                      |             | kg            | 0,75             | Rp 620.000,00          | Rp 463.392,59          |  |
|                  | Air                                                    |             | Liter         | 202,00           | Rp 250,00              | Rp 50.500,00           |  |
|                  | Jumlah Harga Bahan                                     |             |               |                  |                        | Rp 1.128.092,59        |  |
| C                | Peralatan                                              |             |               |                  |                        |                        |  |
|                  | Jumlah Harga Alat                                      |             |               |                  |                        |                        |  |
| D                | Jumlah Harga Tenaga Kerja, Bahan dan Peralatan (A+B+C) |             |               |                  |                        | Rp 1.400.417,59        |  |
| E                | Biaya Umum dan Keuntungan (10% - 15%) x D              |             |               |                  | 15% x D                | Rp 210.062,64          |  |
| F                | Harga Satuan Pekerjaan (D+E)                           |             |               |                  |                        | Rp 1.610.480,23        |  |
|                  |                                                        |             |               |                  |                        |                        |  |
| <b>2.2.1.4.5</b> | <b>Pembuatan Beton Mutu f'c = 20 Mpa</b>               |             |               |                  |                        |                        |  |
|                  | <b>Uraian</b>                                          | <b>Kode</b> | <b>Satuan</b> | <b>Koefisien</b> | <b>HargaSatuan(Rp)</b> | <b>JumlahHarga(Rp)</b> |  |
| A                | Tenaga Kerja                                           |             |               |                  |                        |                        |  |
|                  | Pekerja                                                | L.01        | OH            | 1,650            | Rp 130.000,00          | Rp 214.500,00          |  |
|                  | Tukang Batu                                            | L.02        | OH            | 0,275            | Rp 175.000,00          | Rp 48.125,00           |  |
|                  | Kepala Tukang                                          | L.03        | OH            | 0,028            | Rp 250.000,00          | Rp 7.000,00            |  |
|                  | Mandor                                                 | L.04        | OH            | 0,009            | Rp 300.000,00          | Rp 2.700,00            |  |
|                  | Jumlah Harga Tenaga Kerja                              |             |               |                  |                        | Rp 272.325,00          |  |
| B                | Bahan                                                  |             |               |                  |                        |                        |  |
|                  | Semen portland                                         |             | Kg            | 348,000          | Rp 1.400,00            | Rp 487.200,00          |  |
|                  | Pasir beton                                            |             | M3            | 0,564            | Rp 280.000,00          | Rp 158.000,00          |  |
|                  | Batu pecah 2-3 cm                                      |             | M3            | 0,747            | Rp 620.000,00          | Rp 463.392,59          |  |
|                  | Air                                                    |             | Liter         | 202,000          | Rp 250,00              | Rp 50.500,00           |  |
|                  | Jumlah Harga Bahan                                     |             |               |                  |                        | Rp 1.159.092,59        |  |
| C                | Peralatan                                              |             |               |                  |                        |                        |  |
|                  | Jumlah Harga Alat                                      |             |               |                  |                        |                        |  |
| D                | Jumlah Harga Tenaga Kerja, Bahan dan Peralatan (A+B+C) |             |               |                  |                        | Rp 1.431.417,59        |  |
| E                | Biaya Umum dan Keuntungan (10% - 15%) x D              |             |               |                  | 15% x D                | Rp 214.712,64          |  |
| F                | Harga Satuan Pekerjaan (D+E)                           |             |               |                  |                        | Rp 1.646.130,23        |  |
|                  |                                                        |             |               |                  |                        |                        |  |

|                   |                                                           |             |               |                  |                         |                         |  |
|-------------------|-----------------------------------------------------------|-------------|---------------|------------------|-------------------------|-------------------------|--|
| <b>2.2.1.4.5</b>  | <b>Pembuatan Beton Mutu f'c = 20 Mpa</b>                  |             |               |                  |                         |                         |  |
|                   | <b>Uraian</b>                                             | <b>Kode</b> | <b>Satuan</b> | <b>Koefisien</b> | <b>Harga Satuan(Rp)</b> | <b>Jumlah Harga(Rp)</b> |  |
| A                 | Tenaga Kerja                                              |             |               |                  |                         |                         |  |
|                   | Pekerja                                                   | L.01        | OH            | 1,650            | Rp 130.000,00           | Rp 214.500,00           |  |
|                   | Tukang Batu                                               | L.02        | OH            | 0,275            | Rp 175.000,00           | Rp 48.125,00            |  |
|                   | Kepala Tukang                                             | L.03        | OH            | 0,028            | Rp 250.000,00           | Rp 7.000,00             |  |
|                   | Mandor                                                    | L.04        | OH            | 0,009            | Rp 300.000,00           | Rp 2.700,00             |  |
|                   | Jumlah Harga Tenaga Kerja                                 |             |               |                  |                         | Rp 272.325,00           |  |
| B                 | Bahan                                                     |             |               |                  |                         |                         |  |
|                   | Semen portland                                            |             | Kg            | 348,000          | Rp 1.400,00             | Rp 487.200,00           |  |
|                   | Pasir beton                                               |             | M3            | 0,564            | Rp 280.000,00           | Rp 158.000,00           |  |
|                   | Batu pecah 2-3 cm                                         |             | M3            | 0,747            | Rp 620.000,00           | Rp 463.392,59           |  |
|                   | Air                                                       |             | Liter         | 202,000          | Rp 250,00               | Rp 50.500,00            |  |
|                   | Jumlah Harga Bahan                                        |             |               |                  |                         | Rp 1.159.092,59         |  |
| C                 | Peralatan                                                 |             |               |                  |                         |                         |  |
|                   | Jumlah Harga Alat                                         |             |               |                  |                         |                         |  |
| D                 | Jumlah Harga Tenaga Kerja, Bahan dan Peralatan (A+B+C)    |             |               |                  |                         | Rp 1.431.417,59         |  |
| E                 | Biaya Umum dan Keuntungan (10% - 15%) x D                 |             |               |                  | 15% x D                 | Rp 214.712,64           |  |
| F                 | Harga Satuan Pekerjaan (D+E)                              |             |               |                  |                         | Rp 1.646.130,23         |  |
|                   |                                                           |             |               |                  |                         |                         |  |
| <b>2.2.1.6.1c</b> | <b>1 m3 Pengecoran beton menggunakan ready mixed K250</b> |             |               |                  |                         |                         |  |
|                   | <b>Uraian</b>                                             | <b>Kode</b> | <b>Satuan</b> | <b>Koefisien</b> | <b>Harga Satuan(Rp)</b> | <b>Jumlah Harga(Rp)</b> |  |
| A                 | Tenaga Kerja                                              |             |               |                  |                         |                         |  |
|                   | Pekerja                                                   | L.01        | OH            | 0,400            | Rp 130.000,00           | Rp 52.000,00            |  |
|                   | Tukang Batu                                               | L.02        | OH            | 0,100            | Rp 175.000,00           | Rp 17.500,00            |  |
|                   | Kepala Tukang                                             | L.03        | OH            | 0,010            | Rp 250.000,00           | Rp 2.500,00             |  |
|                   | Mandor                                                    | L.04        | OH            | 0,040            | Rp 300.000,00           | Rp 12.000,00            |  |
|                   | Jumlah Harga Tenaga Kerja                                 |             |               |                  |                         | Rp 84.000,00            |  |
| B                 | Bahan                                                     |             |               |                  |                         |                         |  |
|                   | Beton Ready Mixed                                         |             | m3            | 1,02             | Rp 1.800.000,00         | Rp 1.836.000,00         |  |
|                   | Jumlah Harga Bahan                                        |             |               |                  |                         | Rp 1.836.000,00         |  |
| C                 | Peralatan                                                 |             |               |                  |                         |                         |  |
|                   | Jumlah Harga Alat                                         |             |               |                  |                         |                         |  |
| D                 | Jumlah Harga Tenaga Kerja, Bahan dan Peralatan (A+B+C)    |             |               |                  |                         | Rp 1.920.000,00         |  |
| E                 | Biaya Umum dan Keuntungan (10% - 15%) x D                 |             |               |                  | 15% x D                 | Rp 288.000,00           |  |
| F                 | Harga Satuan Pekerjaan (D+E)                              |             |               |                  |                         | Rp 2.208.000,00         |  |
|                   |                                                           |             |               |                  |                         |                         |  |

|                   |                                                                                                                                                             |             |               |                  |                        |                        |  |  |
|-------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------|---------------|------------------|------------------------|------------------------|--|--|
| <b>2.2.1.10.2</b> | <b>Pembuatan m' balok praktis beton bertulang ( Ringbalk 10x15 )</b>                                                                                        |             |               |                  |                        |                        |  |  |
|                   | <b>Uraian</b>                                                                                                                                               | <b>Kode</b> | <b>Satuan</b> | <b>Koefisien</b> | <b>HargaSatuan(Rp)</b> | <b>JumlahHarga(Rp)</b> |  |  |
| <b>A</b>          | Tenaga Kerja                                                                                                                                                |             |               |                  |                        |                        |  |  |
|                   | Pekerja                                                                                                                                                     | L.01        | OH            | 0,297            | Rp 130.000,00          | Rp 38.610,00           |  |  |
|                   | Tukang Batu                                                                                                                                                 | L.02        | OH            | 0,033            | Rp 175.000,00          | Rp 5.775,00            |  |  |
|                   | Tukang kayu                                                                                                                                                 | L.02        | OH            | 0,033            | Rp 175.000,00          | Rp 5.775,00            |  |  |
|                   | tukang Besi                                                                                                                                                 | L.02        | OH            | 0,033            | Rp 175.000,00          | Rp 5.775,00            |  |  |
|                   | Kepala Tukang                                                                                                                                               | L.03        | OH            | 0,010            | Rp 250.000,00          | Rp 2.500,00            |  |  |
|                   | Mandor                                                                                                                                                      | L.04        | OH            | 0,015            | Rp 300.000,00          | Rp 4.500,00            |  |  |
|                   | <b>Jumlah Harga Tenaga Kerja</b>                                                                                                                            |             |               |                  |                        | Rp 62.935,00           |  |  |
| <b>B</b>          | Bahan                                                                                                                                                       |             |               |                  |                        |                        |  |  |
|                   | kayu Kelas III                                                                                                                                              |             | m3            | 0,003            | Rp 1.890.000,00        | Rp 5.670,00            |  |  |
|                   | Paku 5 - 12 cm                                                                                                                                              |             | kg            | 0,020            | Rp 25.000,00           | Rp 500,00              |  |  |
|                   | Minyak Bekisting                                                                                                                                            |             | Liter         | 0,200            | Rp 7.000,00            | Rp 1.400,00            |  |  |
|                   | Besi beton polos                                                                                                                                            |             | kg            | 3,600            | Rp 14.000,00           | Rp 50.400,00           |  |  |
|                   | Kawat beton                                                                                                                                                 |             | Kg            | 0,050            | Rp 30.000,00           | Rp 1.500,00            |  |  |
|                   | Semen portland                                                                                                                                              |             | kg            | 5,500            | Rp 1.400,00            | Rp 7.700,00            |  |  |
|                   | Pasir beton                                                                                                                                                 |             | m3            | 0,009            | Rp 280.000,00          | Rp 2.520,00            |  |  |
|                   | kerikil                                                                                                                                                     |             | m3            | 0,015            | Rp 620.000,00          | Rp 9.300,00            |  |  |
|                   | <b>Jumlah Harga Bahan</b>                                                                                                                                   |             |               |                  |                        | Rp 78.990,00           |  |  |
| <b>C</b>          | Peralatan                                                                                                                                                   |             |               |                  |                        |                        |  |  |
|                   | Concrete pump                                                                                                                                               |             | jam           |                  | Rp 61.600,00           | Rp -                   |  |  |
|                   | concrete vibrator                                                                                                                                           |             | jam           |                  | Rp 79.819,82           | Rp -                   |  |  |
|                   | <b>Jumlah Harga Alat</b>                                                                                                                                    |             |               |                  |                        | Rp -                   |  |  |
| <b>D</b>          | <b>Jumlah Harga Tenaga Kerja, Bahan dan Peralatan (A+B+C)</b>                                                                                               |             |               |                  |                        | Rp 141.925,00          |  |  |
| <b>E</b>          | <b>Biaya Umum dan Keuntungan (10% - 15%) x D</b>                                                                                                            |             |               |                  | <b>15% x D</b>         | Rp 21.288,75           |  |  |
| <b>F</b>          | <b>Harga Satuan Pekerjaan (D+E)</b>                                                                                                                         |             |               |                  |                        | Rp 163.213,75          |  |  |
|                   |                                                                                                                                                             |             |               |                  |                        |                        |  |  |
| <b>2.2.2.1.11</b> | <b>Pemasangan 1 m3 Fondasi Batu Belah campuran 1 SP : 6 PP, cara semi mekanis (Lihat Analisis Harga Satuan Pekerjaan Bidang Sumber Daya Air P.01.e.1.b)</b> |             |               |                  |                        |                        |  |  |
|                   | <b>Uraian</b>                                                                                                                                               | <b>Kode</b> | <b>Satuan</b> | <b>Koefisien</b> | <b>HargaSatuan(Rp)</b> | <b>JumlahHarga(Rp)</b> |  |  |
| <b>A</b>          | Tenaga Kerja                                                                                                                                                |             |               |                  |                        |                        |  |  |
|                   | Pekerja                                                                                                                                                     | L.01        | OH            | 1,000            | Rp 130.000,00          | Rp 130.000,00          |  |  |
|                   | Tukang Batu                                                                                                                                                 | L.02        | OH            | 0,500            | Rp 175.000,00          | Rp 87.500,00           |  |  |
|                   | Mandor                                                                                                                                                      | L.04        | OH            | 0,100            | Rp 300.000,00          | Rp 30.000,00           |  |  |
|                   | <b>Jumlah Harga Tenaga Kerja</b>                                                                                                                            |             |               |                  |                        | <b>Rp 247.500,00</b>   |  |  |
| <b>B</b>          | Bahan                                                                                                                                                       |             |               |                  |                        |                        |  |  |
|                   | Batu belah                                                                                                                                                  |             | m3            | 1,20             | Rp 650.000,00          | Rp 780.000,00          |  |  |
|                   | Semen Portland (Semen PC)                                                                                                                                   |             | kg            | 117,00           | Rp 1.400,00            | Rp 163.800,00          |  |  |
|                   | Pasir Pasang                                                                                                                                                |             | m3            | 0,561            | Rp 310.000,00          | Rp 173.910,00          |  |  |
|                   | <b>Jumlah Harga Bahan</b>                                                                                                                                   |             |               |                  |                        | <b>Rp 1.117.710,00</b> |  |  |
| <b>C</b>          | Peralatan                                                                                                                                                   |             |               |                  |                        |                        |  |  |
|                   | <b>Jumlah Harga Alat</b>                                                                                                                                    |             |               |                  |                        |                        |  |  |
| <b>D</b>          | <b>Jumlah Harga Tenaga Kerja, Bahan dan Peralatan (A+B+C)</b>                                                                                               |             |               |                  |                        | <b>Rp 1.365.210,00</b> |  |  |
| <b>E</b>          | <b>Biaya Umum dan Keuntungan (10% - 15%) x D</b>                                                                                                            |             |               |                  | <b>15% x D</b>         | <b>Rp 204.781,50</b>   |  |  |
| <b>F</b>          | <b>Harga Satuan Pekerjaan (D+E)</b>                                                                                                                         |             |               |                  |                        | <b>Rp 1.569.991,50</b> |  |  |
|                   |                                                                                                                                                             |             |               |                  |                        |                        |  |  |

|                |                                                              |             |               |                  |                        |                        |
|----------------|--------------------------------------------------------------|-------------|---------------|------------------|------------------------|------------------------|
| <b>3.3.6</b>   | <b>Pemasangan 1 m' lisplank non kayu (GRC, Serat semen )</b> |             |               |                  |                        |                        |
|                | <b>Uraian</b>                                                | <b>Kode</b> | <b>Satuan</b> | <b>Koefisien</b> | <b>HargaSatuan(Rp)</b> | <b>JumlahHarga(Rp)</b> |
| A              | Tenaga Kerja                                                 |             |               |                  |                        |                        |
|                | Pekerja                                                      | L.01        | OH            | 0,100            | Rp 130.000,00          | Rp 13.000,00           |
|                | Tukang                                                       | L.02        | OH            | 0,200            | Rp 250.000,00          | Rp 50.000,00           |
|                | Kepala Tukang                                                | L.03        | OH            | 0,020            | Rp 175.000,00          | Rp 3.500,00            |
|                | Mandor                                                       | L.04        | OH            | 0,0067           | Rp 300.000,00          | Rp 2.010,00            |
|                | Jumlah Harga Tenaga Kerja                                    |             |               |                  |                        | Rp 68.510,00           |
| B              | Bahan                                                        |             |               |                  |                        |                        |
|                | GRC / Serat semen lebar 20 cm                                |             | m3            | 1,050            | Rp 13.750,00           | Rp 14.437,50           |
|                | Paku 5 cm dan 7 cm                                           |             | kg            | 0,050            | Rp 25.000,00           | Rp 1.250,00            |
|                | Jumlah Harga Bahan                                           |             |               |                  |                        | Rp 15.687,50           |
| C              | Peralatan                                                    |             |               |                  |                        |                        |
|                | Jumlah Harga Alat                                            |             |               |                  |                        |                        |
| D              | Jumlah Harga Tenaga Kerja, Bahan dan Peralatan (A+B+C)       |             |               |                  |                        | Rp 84.197,50           |
| E              | Biaya Umum dan Keuntungan (10% - 15%) x D                    |             |               |                  | 15% x D                | Rp 12.629,63           |
| F              | Harga Satuan Pekerjaan (D+E)                                 |             |               |                  |                        | Rp 96.827,13           |
|                |                                                              |             |               |                  |                        |                        |
| <b>3.1.3.8</b> | <b>Pemasangan 1 m2 Atap Metal Menerus</b>                    |             |               |                  |                        |                        |
|                | <b>Uraian</b>                                                | <b>Kode</b> | <b>Satuan</b> | <b>Koefisien</b> | <b>HargaSatuan(Rp)</b> | <b>JumlahHarga(Rp)</b> |
| A              | Tenaga Kerja                                                 |             |               |                  |                        |                        |
|                | Pekerja                                                      | L.01        | OH            | 0,080            | Rp 130.000,00          | Rp 10.400,00           |
|                | Tukang                                                       | L.02        | OH            | 0,040            | Rp 250.000,00          | Rp 10.000,00           |
|                | Kepala Tukang                                                | L.03        | OH            | 0,004            | Rp 175.000,00          | Rp 700,00              |
|                | Mandor                                                       | L.04        | OH            | 0,0013           | Rp 300.000,00          | Rp 390,00              |
|                | Jumlah Harga Tenaga Kerja                                    |             |               |                  |                        | Rp 21.490,00           |
| B              | Bahan                                                        |             |               |                  |                        |                        |
|                | Atap Metal Zincalume Soka tbl. 0,25 mm (73x180 cm)           |             | m2            | 1,625            | Rp 75.000,00           | Rp 121.875,00          |
|                | Paku Anti Karat (Paku Genteng Metal)                         |             | Kg            | 0,150            | Rp 50.000,00           | Rp 7.500,00            |
|                | Jumlah Harga Bahan                                           |             |               |                  |                        | Rp 129.375,00          |
| C              | Peralatan                                                    |             |               |                  |                        |                        |
|                | Jumlah Harga Alat                                            |             |               |                  |                        |                        |
| D              | Jumlah Harga Tenaga Kerja, Bahan dan Peralatan (A+B+C)       |             |               |                  |                        | Rp 150.865,00          |
| E              | Biaya Umum dan Keuntungan (10% - 15%) x D                    |             |               |                  | 15% x D                | Rp 22.629,75           |
| F              | Harga Satuan Pekerjaan (D+E)                                 |             |               |                  |                        | Rp 173.494,75          |
|                |                                                              |             |               |                  |                        |                        |

|                 |                                                          |             |               |                  |                        |                        |
|-----------------|----------------------------------------------------------|-------------|---------------|------------------|------------------------|------------------------|
| <b>3.1.3.14</b> | <b>Pemasangan 1 m' Nok/Bubung Genteng Metal</b>          |             |               |                  |                        |                        |
|                 | <b>Uraian</b>                                            | <b>Kode</b> | <b>Satuan</b> | <b>Koefisien</b> | <b>HargaSatuan(Rp)</b> | <b>JumlahHarga(Rp)</b> |
| A               | Tenaga Kerja                                             |             |               |                  |                        |                        |
|                 | Pekerja                                                  | L.01        | OH            | 0,250            | Rp 130.000,00          | Rp 32.500,00           |
|                 | Tukang                                                   | L.02        | OH            | 0,150            | Rp 250.000,00          | Rp 37.500,00           |
|                 | Kepala Tukang                                            | L.03        | OH            | 0,015            | Rp 175.000,00          | Rp 2.625,00            |
|                 | Mandor                                                   | L.04        | OH            | 0,0050           | Rp 300.000,00          | Rp 1.500,00            |
|                 | Jumlah Harga Tenaga Kerja                                |             |               |                  |                        | Rp 74.125,00           |
| B               | Bahan                                                    |             |               |                  |                        |                        |
|                 | Bubungan Genteng Metal Zincalume bentuk C, P. 75 cm.     |             | Bh            | 1,100            | Rp 35.000,00           | Rp 38.500,00           |
|                 | Paku Anti Karat (Paku Genteng Metal)                     |             | Kg            | 0,050            | Rp 50.000,00           | Rp 2.500,00            |
|                 | Jumlah Harga Bahan                                       |             |               |                  |                        | Rp 41.000,00           |
| C               | Peralatan                                                |             |               |                  |                        |                        |
|                 | Jumlah Harga Alat                                        |             |               |                  |                        |                        |
| D               | Jumlah Harga Tenaga Kerja, Bahan dan Peralatan (A+B+C)   |             |               |                  |                        | Rp 115.125,00          |
| E               | Biaya Umum dan Keuntungan (10% - 15%) x D                |             |               |                  | 15% x D                | Rp 17.268,75           |
| F               | Harga Satuan Pekerjaan (D+E)                             |             |               |                  |                        | Rp 132.393,75          |
|                 |                                                          |             |               |                  |                        |                        |
| <b>3.1.3.7</b>  | <b>Pemasangan 1 m2 Atap Metal Lembaran</b>               |             |               |                  |                        |                        |
|                 | <b>Uraian</b>                                            | <b>Kode</b> | <b>Satuan</b> | <b>Koefisien</b> | <b>HargaSatuan(Rp)</b> | <b>JumlahHarga(Rp)</b> |
| A               | Tenaga Kerja                                             |             |               |                  |                        |                        |
|                 | Pekerja                                                  | L.01        | OH            | 0,133            | Rp 130.000,00          | Rp 17.329,00           |
|                 | Tukang                                                   | L.02        | OH            | 0,067            | Rp 250.000,00          | Rp 16.675,00           |
|                 | Kepala Tukang                                            | L.03        | OH            | 0,007            | Rp 175.000,00          | Rp 1.172,50            |
|                 | Mandor                                                   | L.04        | OH            | 0,0022           | Rp 300.000,00          | Rp 660,00              |
|                 | Jumlah Harga Tenaga Kerja                                |             |               |                  |                        | Rp 35.836,50           |
| B               | Bahan                                                    |             |               |                  |                        |                        |
|                 | Genteng Zincalume Colour tbl. 0,30 mm, 1,62 Lbr / per M2 |             | Bh            | 1,625            | Rp 60.000,00           | Rp 97.500,00           |
|                 | Paku Anti Karat (Paku Genteng Metal)                     |             | Kg            | 0,050            | Rp 50.000,00           | Rp 2.500,00            |
|                 | Jumlah Harga Bahan                                       |             |               |                  |                        | Rp 100.000,00          |
| C               | Peralatan                                                |             |               |                  |                        |                        |
|                 | Jumlah Harga Alat                                        |             |               |                  |                        |                        |
| D               | Jumlah Harga Tenaga Kerja, Bahan dan Peralatan (A+B+C)   |             |               |                  |                        | Rp 135.836,50          |
| E               | Biaya Umum dan Keuntungan (10% - 15%) x D                |             |               |                  | 15% x D                | Rp 20.375,48           |
| F               | Harga Satuan Pekerjaan (D+E)                             |             |               |                  |                        | Rp 156.211,98          |
|                 |                                                          |             |               |                  |                        |                        |

|                 |                                                                                              |             |               |                  |                        |                        |  |  |
|-----------------|----------------------------------------------------------------------------------------------|-------------|---------------|------------------|------------------------|------------------------|--|--|
| <b>2.1.1.2</b>  | <b>Pemasangan 1 m2 Atap Jurai/Limasana Rangka Atap Baja Ringan (Canai Dingin) Profil C75</b> |             |               |                  |                        |                        |  |  |
|                 | <b>Uraian</b>                                                                                | <b>Kode</b> | <b>Satuan</b> | <b>Koefisien</b> | <b>HargaSatuan(Rp)</b> | <b>JumlahHarga(Rp)</b> |  |  |
| A               | Tenaga Kerja                                                                                 |             |               |                  |                        |                        |  |  |
|                 | Pekerja                                                                                      | L.01        | OH            | 0,760            | Rp 130.000,00          | Rp 98.852,00           |  |  |
|                 | Tukang                                                                                       | L.02        | OH            | 0,760            | Rp 250.000,00          | Rp 190.100,00          |  |  |
|                 | Kepala Tukang                                                                                | L.03        | OH            | 0,076            | Rp 175.000,00          | Rp 13.300,00           |  |  |
|                 | Mandor                                                                                       | L.04        | OH            | 0,0253           | Rp 300.000,00          | Rp 7.590,00            |  |  |
|                 | <b>Jumlah Harga Tenaga Kerja</b>                                                             |             |               |                  |                        | <b>Rp 309.842,00</b>   |  |  |
| B               | Bahan                                                                                        |             |               |                  |                        |                        |  |  |
|                 | Kaso Metal Zincalume C. 75 X 35 X 0.75 mm - P. 6 Meter.                                      |             | Btg           | 0,960            | Rp 120.000,00          | Rp 115.236,00          |  |  |
|                 | <b>Jumlah Harga Bahan</b>                                                                    |             |               |                  |                        | <b>Rp 115.236,00</b>   |  |  |
| C               | Peralatan                                                                                    |             |               |                  |                        |                        |  |  |
|                 | <b>Jumlah Harga Alat</b>                                                                     |             |               |                  |                        |                        |  |  |
| D               | <b>Jumlah Harga Tenaga Kerja, Bahan dan Peralatan (A+B+C)</b>                                |             |               |                  |                        | <b>Rp 425.078,00</b>   |  |  |
| E               | Biaya Umum dan Keuntungan (10% - 15%) x D                                                    |             |               |                  | 15% x D                | Rp 63.761,70           |  |  |
| F               | Harga Satuan Pekerjaan (D+E)                                                                 |             |               |                  |                        | Rp 488.839,70          |  |  |
|                 |                                                                                              |             |               |                  |                        |                        |  |  |
| <b>3.5.3.1a</b> | <b>Pemasangan 1 m2 rangka langit - langit (plafond) hollow 20.40</b>                         |             |               |                  |                        |                        |  |  |
|                 | <b>Uraian</b>                                                                                | <b>Kode</b> | <b>Satuan</b> | <b>Koefisien</b> | <b>HargaSatuan(Rp)</b> | <b>JumlahHarga(Rp)</b> |  |  |
| A               | Tenaga Kerja                                                                                 |             |               |                  |                        |                        |  |  |
|                 | Pekerja                                                                                      | L.01        | OH            | 0,350            | Rp 130.000,00          | Rp 45.500,00           |  |  |
|                 | Tukang Besi                                                                                  | L.02        | OH            | 0,350            | Rp 250.000,00          | Rp 87.500,00           |  |  |
|                 | Kepala Tukang                                                                                | L.03        | OH            | 0,350            | Rp 175.000,00          | Rp 61.250,00           |  |  |
|                 | Mandor                                                                                       | L.04        | OH            | 0,0117           | Rp 300.000,00          | Rp 3.510,00            |  |  |
|                 | <b>Jumlah Harga Tenaga Kerja</b>                                                             |             |               |                  |                        | <b>Rp 197.760,00</b>   |  |  |
| B               | Bahan                                                                                        |             |               |                  |                        |                        |  |  |
|                 | Rangka metal hollow 20x40, 0,3mm                                                             |             | m2            | 0,364            | Rp 22.000,00           | Rp 8.008,00            |  |  |
|                 | Assesoris ( Perkuatan, baut sekrup dll )                                                     |             | Ls            | 100%xrangka      | Rp 1.500,00            | Rp 1.500,00            |  |  |
|                 | <b>Jumlah Harga Bahan</b>                                                                    |             |               |                  |                        | <b>Rp 9.508,00</b>     |  |  |
| C               | Peralatan                                                                                    |             |               |                  |                        |                        |  |  |
|                 | <b>Jumlah Harga Alat</b>                                                                     |             |               |                  |                        |                        |  |  |
| D               | <b>Jumlah Harga Tenaga Kerja, Bahan dan Peralatan (A+B+C)</b>                                |             |               |                  |                        | <b>Rp 207.268,00</b>   |  |  |
| E               | Biaya Umum dan Keuntungan (10% - 15%) x D                                                    |             |               |                  | 15% x D                | Rp 31.090,20           |  |  |
| F               | Harga Satuan Pekerjaan (D+E)                                                                 |             |               |                  |                        | Rp 238.358,20          |  |  |
|                 |                                                                                              |             |               |                  |                        |                        |  |  |

|                                  |                                                        |             |               |                  |                          |                          |
|----------------------------------|--------------------------------------------------------|-------------|---------------|------------------|--------------------------|--------------------------|
| <b>3.5.2.7.a</b>                 | <b>Pemasangan 1 m2 Langit-langit (Plafon) PVC</b>      |             |               |                  |                          |                          |
|                                  | <b>Uraian</b>                                          | <b>Kode</b> | <b>Satuan</b> | <b>Koefisien</b> | <b>Harga Satuan (Rp)</b> | <b>Jumlah Harga (Rp)</b> |
| A                                | Tenaga Kerja                                           |             |               |                  |                          |                          |
|                                  | Pekerja                                                | L.01        | OH            | 0,100            | Rp 130.000,00            | Rp 13.000,00             |
|                                  | Tukang                                                 | L.02        | OH            | 0,100            | Rp 250.000,00            | Rp 25.000,00             |
|                                  | Kepala Tukang                                          | L.03        | OH            | 0,010            | Rp 175.000,00            | Rp 1.750,00              |
|                                  | Mandor                                                 | L.04        | OH            | 0,003            | Rp 300.000,00            | Rp 990,00                |
| <b>Jumlah Harga Tenaga Kerja</b> |                                                        |             |               |                  |                          | <b>Rp 40.740,00</b>      |
| B                                | Bahan                                                  |             |               |                  |                          |                          |
|                                  | Plafond PVC lebar 20 cm tebal 8 mm                     |             | lembar        | 1,750            | Rp 12.000,00             | Rp 21.000,00             |
|                                  | Paku, sekrup, Penggantung dll                          |             | kg            | 0,015            | Rp 90.000,00             | Rp 1.305,00              |
| <b>Jumlah Harga Bahan</b>        |                                                        |             |               |                  |                          | <b>Rp 22.305,00</b>      |
| C                                | Peralatan                                              |             |               |                  |                          |                          |
| <b>Jumlah Harga Alat</b>         |                                                        |             |               |                  |                          |                          |
| D                                | Jumlah Harga Tenaga Kerja, Bahan dan Peralatan (A+B+C) |             |               |                  |                          | <b>Rp 63.045,00</b>      |
| E                                | Biaya Umum dan Keuntungan (10% - 15%) x D              |             |               |                  | 15% x D                  | <b>Rp 9.456,75</b>       |
| F                                | Harga Satuan Pekerjaan (D+E)                           |             |               |                  |                          | <b>Rp 72.501,75</b>      |
|                                  |                                                        |             |               |                  |                          |                          |
| <b>3.5.2.6.a</b>                 | <b>Pemasangan 1 m' List Langit-langit (Plafon) PVC</b> |             |               |                  |                          |                          |
|                                  | <b>Uraian</b>                                          | <b>Kode</b> | <b>Satuan</b> | <b>Koefisien</b> | <b>Harga Satuan (Rp)</b> | <b>Jumlah Harga (Rp)</b> |
| A                                | Tenaga Kerja                                           |             |               |                  |                          |                          |
|                                  | Pekerja                                                | L.01        | OH            | 0,025            | Rp 130.000,00            | Rp 3.250,00              |
|                                  | Tukang                                                 | L.02        | OH            | 0,025            | Rp 250.000,00            | Rp 6.250,00              |
|                                  | Kepala Tukang                                          | L.03        | OH            | 0,0025           | Rp 175.000,00            | Rp 437,50                |
|                                  | Mandor                                                 | L.04        | OH            | 0,0008           | Rp 300.000,00            | Rp 240,00                |
| <b>Jumlah Harga Tenaga Kerja</b> |                                                        |             |               |                  |                          | <b>Rp 10.177,50</b>      |
| B                                | Bahan                                                  |             |               |                  |                          |                          |
|                                  | List Plafond PVC 4 m                                   |             | m             | 1,050            | Rp 12.000,00             | Rp 12.600,00             |
|                                  | Paku, sekrup, Penggantung dll                          |             | kg            | 0,010            | Rp 90.000,00             | Rp 900,00                |
| <b>Jumlah Harga Bahan</b>        |                                                        |             |               |                  |                          | <b>Rp 13.500,00</b>      |
| C                                | Peralatan                                              |             |               |                  |                          |                          |
| <b>Jumlah Harga Alat</b>         |                                                        |             |               |                  |                          |                          |
| D                                | Jumlah Harga Tenaga Kerja, Bahan dan Peralatan (A+B+C) |             |               |                  |                          | <b>Rp 23.677,50</b>      |
| E                                | Biaya Umum dan Keuntungan (10% - 15%) x D              |             |               |                  | 15% x D                  | <b>Rp 3.551,63</b>       |
| F                                | Harga Satuan Pekerjaan (D+E)                           |             |               |                  |                          | <b>Rp 27.229,13</b>      |
|                                  |                                                        |             |               |                  |                          |                          |

|                |                                                                                                                         |             |               |                  |                        |                        |
|----------------|-------------------------------------------------------------------------------------------------------------------------|-------------|---------------|------------------|------------------------|------------------------|
| <b>3.6.1.9</b> | <b>Pemasangan 1 m2 dinding bata merah tebal 1/2 bata dengan mortar tipe O, Fc' 2,4 Mpa(setara campuran 1 SP : 5 PP)</b> |             |               |                  |                        |                        |
|                | <b>Uraian</b>                                                                                                           | <b>Kode</b> | <b>Satuan</b> | <b>Koefisien</b> | <b>HargaSatuan(Rp)</b> | <b>JumlahHarga(Rp)</b> |
| A              | Tenaga Kerja                                                                                                            |             |               |                  |                        |                        |
|                | Pekerja                                                                                                                 | L.01        | OH            | 0,200            | Rp 130.000,00          | Rp 26.000,00           |
|                | Tukang Batu                                                                                                             | L.02        | OH            | 0,100            | Rp 250.000,00          | Rp 25.000,00           |
|                | Kepala Tukang                                                                                                           | L.03        | OH            | 0,010            | Rp 175.000,00          | Rp 1.750,00            |
|                | Mandor                                                                                                                  | L.04        | OH            | 0,0033           | Rp 300.000,00          | Rp 990,00              |
|                | Jumlah Harga Tenaga Kerja                                                                                               |             |               |                  |                        | Rp 53.740,00           |
| B              | Bahan                                                                                                                   |             |               |                  |                        |                        |
|                | Bata merah                                                                                                              |             | Buah          | 72               | Rp 1.200,00            | Rp 86.292,00           |
|                | Semen portland                                                                                                          |             | kg            | 9,68             | Rp 1.400,00            | Rp 13.552,00           |
|                | Pasir pasang                                                                                                            |             | m3            | 0,045            | Rp 310.000,00          | Rp 13.950,00           |
|                | Jumlah Harga Bahan                                                                                                      |             |               |                  |                        | Rp 113.794,00          |
| C              | Peralatan                                                                                                               |             |               |                  |                        |                        |
|                | Jumlah Harga Alat                                                                                                       |             |               |                  |                        |                        |
| D              | Jumlah Harga Tenaga Kerja, Bahan dan Peralatan (A+B+C)                                                                  |             |               |                  |                        | Rp 167.534,00          |
| E              | Biaya Umum dan Keuntungan (10% - 15%) x D                                                                               |             |               |                  | 15% x D                | Rp 25.130,10           |
| F              | Harga Satuan Pekerjaan (D+E)                                                                                            |             |               |                  |                        | Rp 192.664,10          |
|                |                                                                                                                         |             |               |                  |                        |                        |
| <b>3.6.3.2</b> | <b>Pemasangan 1 m2 dinding kerawang(rooster) 12x11x24 dengan mortar tipe N, Fc' 5 Mpa(setara campuran 1 SP : 4 PP)</b>  |             |               |                  |                        |                        |
|                | <b>Uraian</b>                                                                                                           | <b>Kode</b> | <b>Satuan</b> | <b>Koefisien</b> | <b>HargaSatuan(Rp)</b> | <b>JumlahHarga(Rp)</b> |
| A              | Tenaga Kerja                                                                                                            |             |               |                  |                        |                        |
|                | Pekerja                                                                                                                 | L.01        | OH            | 0,2000           | Rp 130.000,00          | Rp 26.000,00           |
|                | Tukang Batu                                                                                                             | L.02        | OH            | 0,1000           | Rp 250.000,00          | Rp 25.000,00           |
|                | Kepala Tukang                                                                                                           | L.03        | OH            | 0,0100           | Rp 175.000,00          | Rp 1.750,00            |
|                | Mandor                                                                                                                  | L.04        | OH            | 0,0033           | Rp 300.000,00          | Rp 990,00              |
|                | Jumlah Harga Tenaga Kerja                                                                                               |             |               |                  |                        | Rp 53.740,00           |
| B              | Bahan                                                                                                                   |             |               |                  |                        |                        |
|                | Bata rooster                                                                                                            |             | Buah          | 36,46            | Rp 18.000,00           | Rp 656.280,00          |
|                | Semen portland                                                                                                          |             | kg            | 11,00            | Rp 1.400,00            | Rp 15.400,00           |
|                | Pasir pasang                                                                                                            |             | m3            | 0,035            | Rp 310.000,00          | Rp 10.850,00           |
|                | Jumlah Harga Bahan                                                                                                      |             |               |                  |                        | Rp 682.530,00          |
| C              | Peralatan                                                                                                               |             |               |                  |                        |                        |
|                | Jumlah Harga Alat                                                                                                       |             |               |                  |                        |                        |
| D              | Jumlah Harga Tenaga Kerja, Bahan dan Peralatan (A+B+C)                                                                  |             |               |                  |                        | Rp 736.270,00          |
| E              | Biaya Umum dan Keuntungan (10% - 15%) x D                                                                               |             |               |                  | 15% x D                | Rp 110.440,50          |
| F              | Harga Satuan Pekerjaan (D+E)                                                                                            |             |               |                  |                        | Rp 846.710,50          |
|                |                                                                                                                         |             |               |                  |                        |                        |

|                 |                                                                                                                    |             |               |                  |                        |                        |
|-----------------|--------------------------------------------------------------------------------------------------------------------|-------------|---------------|------------------|------------------------|------------------------|
| <b>3.6.3.2A</b> | <b>Pemasangan 1 m2 dinding kerawang(rooster)20x20 dengan mortar tipe N, Fc' 5 Mpa(setara campuran 1 SP : 4 PP)</b> |             |               |                  |                        |                        |
|                 | <b>Uraian</b>                                                                                                      | <b>Kode</b> | <b>Satuan</b> | <b>Koefisien</b> | <b>HargaSatuan(Rp)</b> | <b>JumlahHarga(Rp)</b> |
| A               | Tenaga Kerja                                                                                                       |             |               |                  |                        |                        |
|                 | Pekerja                                                                                                            | L.01        | OH            | 0,2000           | Rp 130.000,00          | Rp 26.000,00           |
|                 | Tukang Batu                                                                                                        | L.02        | OH            | 0,1000           | Rp 250.000,00          | Rp 25.000,00           |
|                 | Kepala Tukang                                                                                                      | L.03        | OH            | 0,0100           | Rp 175.000,00          | Rp 1.750,00            |
|                 | Mandor                                                                                                             | L.04        | OH            | 0,0033           | Rp 300.000,00          | Rp 990,00              |
|                 | Jumlah Harga Tenaga Kerja                                                                                          |             |               |                  |                        | Rp 53.740,00           |
| B               | Bahan                                                                                                              |             |               |                  |                        |                        |
|                 | Bata rooster                                                                                                       |             | Buah          | 26,25            | Rp 18.000,00           | Rp 472.500,00          |
|                 | Semen portland                                                                                                     |             | kg            | 11,00            | Rp 1.400,00            | Rp 15.400,00           |
|                 | Pasir pasang                                                                                                       |             | m3            | 0,035            | Rp 310.000,00          | Rp 10.850,00           |
|                 | Jumlah Harga Bahan                                                                                                 |             |               |                  |                        | Rp 498.750,00          |
| C               | Peralatan                                                                                                          |             |               |                  |                        |                        |
|                 | Jumlah Harga Alat                                                                                                  |             |               |                  |                        |                        |
| D               | Jumlah Harga Tenaga Kerja, Bahan dan Peralatan (A+B+C)                                                             |             |               |                  |                        | Rp 552.490,00          |
| E               | Biaya Umum dan Keuntungan (10% - 15%) x D                                                                          |             |               |                  | 15% x D                | Rp 82.873,50           |
| F               | Harga Satuan Pekerjaan (D+E)                                                                                       |             |               |                  |                        | Rp 635.363,50          |
|                 |                                                                                                                    |             |               |                  |                        |                        |
| <b>3.6.3.4</b>  | <b>Pemasangan 1 m2 dinding glassblock 20x20</b>                                                                    |             |               |                  |                        |                        |
|                 | <b>Uraian</b>                                                                                                      | <b>Kode</b> | <b>Satuan</b> | <b>Koefisien</b> | <b>HargaSatuan(Rp)</b> | <b>JumlahHarga(Rp)</b> |
| A               | Tenaga Kerja                                                                                                       |             |               |                  |                        |                        |
|                 | Pekerja                                                                                                            | L.01        | OH            | 0,2000           | Rp 130.000,00          | Rp 26.000,00           |
|                 | Tukang Batu                                                                                                        | L.02        | OH            | 0,1000           | Rp 250.000,00          | Rp 25.000,00           |
|                 | Kepala Tukang                                                                                                      | L.03        | OH            | 0,0100           | Rp 175.000,00          | Rp 1.750,00            |
|                 | Mandor                                                                                                             | L.04        | OH            | 0,0033           | Rp 300.000,00          | Rp 990,00              |
|                 | Jumlah Harga Tenaga Kerja                                                                                          |             |               |                  |                        | Rp 53.740,00           |
| B               | Bahan                                                                                                              |             |               |                  |                        |                        |
|                 | Glassblock                                                                                                         |             | Buah          | 26,25            | Rp 29.400,00           | Rp 771.750,00          |
|                 | Semen portland                                                                                                     |             | kg            | 14,00            | Rp 1.400,00            | Rp 19.600,00           |
|                 | Pasir pasang                                                                                                       |             | m3            | 0,032            | Rp 310.000,00          | Rp 9.920,00            |
|                 | Jumlah Harga Bahan                                                                                                 |             |               |                  |                        | Rp 801.270,00          |
| C               | Peralatan                                                                                                          |             |               |                  |                        |                        |
|                 | Jumlah Harga Alat                                                                                                  |             |               |                  |                        |                        |
| D               | Jumlah Harga Tenaga Kerja, Bahan dan Peralatan (A+B+C)                                                             |             |               |                  |                        | Rp 855.010,00          |
| E               | Biaya Umum dan Keuntungan (10% - 15%) x D                                                                          |             |               |                  | 15% x D                | Rp 128.251,50          |
| F               | Harga Satuan Pekerjaan (D+E)                                                                                       |             |               |                  |                        | Rp 983.261,50          |
|                 |                                                                                                                    |             |               |                  |                        |                        |

|                |                                                                                                      |             |               |                  |                        |                        |
|----------------|------------------------------------------------------------------------------------------------------|-------------|---------------|------------------|------------------------|------------------------|
| <b>3.6.4.2</b> | <b>Pemasangan 1 m2 dinding bata ringan Tebal 10 cm dengan mortar siap pakai</b>                      |             |               |                  |                        |                        |
|                | <b>Uraian</b>                                                                                        | <b>Kode</b> | <b>Satuan</b> | <b>Koefisien</b> | <b>HargaSatuan(Rp)</b> | <b>JumlahHarga(Rp)</b> |
| A              | Tenaga Kerja                                                                                         |             |               |                  |                        |                        |
|                | Pekerja                                                                                              | L.01        | OH            | 0,1677           | Rp 130.000,00          | Rp 21.801,00           |
|                | Tukang Batu                                                                                          | L.02        | OH            | 0,0833           | Rp 250.000,00          | Rp 20.825,00           |
|                | Kepala Tukang                                                                                        | L.03        | OH            | 0,0083           | Rp 175.000,00          | Rp 1.452,50            |
|                | Mandor                                                                                               | L.04        | OH            | 0,0028           | Rp 300.000,00          | Rp 840,00              |
|                | Jumlah Harga Tenaga Kerja                                                                            |             |               |                  |                        | Rp 44.918,50           |
| B              | Bahan                                                                                                |             |               |                  |                        |                        |
|                | Bata Ringan Tebal 10 cm                                                                              |             | Buah          | 8,75             | Rp 14.000,00           | Rp 122.500,00          |
|                | Mortar perekat bata ringan                                                                           |             | kg            | 3,429            | Rp 2.250,00            | Rp 7.715,25            |
|                | Jumlah Harga Bahan                                                                                   |             |               |                  |                        | Rp 130.215,25          |
| C              | Peralatan                                                                                            |             |               |                  |                        |                        |
|                | Jumlah Harga Alat                                                                                    |             |               |                  |                        |                        |
| D              | Jumlah Harga Tenaga Kerja, Bahan dan Peralatan (A+B+C)                                               |             |               |                  |                        | Rp 175.133,75          |
| E              | Biaya Umum dan Keuntungan (10% - 15%) x D                                                            |             |               |                  | 15% x D                | Rp 26.270,06           |
| F              | Harga Satuan Pekerjaan (D+E)                                                                         |             |               |                  |                        | Rp 201.403,81          |
|                |                                                                                                      |             |               |                  |                        |                        |
| <b>3.6.5.1</b> | <b>Pemasangan 1 m2 Dinding Batako dengan Mortar Tipe S.fc' 12. 5 Mpa (Setara Campuran 1SP : 3PP)</b> |             |               |                  |                        |                        |
|                | <b>Uraian</b>                                                                                        | <b>Kode</b> | <b>Satuan</b> | <b>Koefisien</b> | <b>HargaSatuan(Rp)</b> | <b>JumlahHarga(Rp)</b> |
| A              | Tenaga Kerja                                                                                         |             |               |                  |                        |                        |
|                | Pekerja                                                                                              | L.01        | OH            | 0,1818           | Rp 130.000,00          | Rp 23.634,00           |
|                | Tukang Batu                                                                                          | L.02        | OH            | 0,0909           | Rp 130.000,00          | Rp 11.817,00           |
|                | Kepala Tukang                                                                                        | L.03        | OH            | 0,0091           | Rp 250.000,00          | Rp 2.275,00            |
|                | Mandor                                                                                               | L.04        | OH            | 0,0030           | Rp 175.000,00          | Rp 525,00              |
|                | Jumlah Harga Tenaga Kerja                                                                            |             |               |                  |                        | Rp 38.251,00           |
| B              | Bahan                                                                                                |             |               |                  |                        |                        |
|                | Batako 1 Zak 95                                                                                      |             | bh            | 14,00            | Rp 3.000,00            | Rp 42.000,00           |
|                | Semen PC                                                                                             |             | kg            | 30,950           | Rp 1.400,00            | Rp 43.330,00           |
|                | Pasir Pasang                                                                                         |             | m3            | 0,091            | Rp 310.000,00          |                        |
|                | Jumlah Harga Bahan                                                                                   |             |               |                  |                        | Rp 85.330,00           |
| C              | Peralatan                                                                                            |             |               |                  |                        |                        |
|                | Jumlah Harga Alat                                                                                    |             |               |                  |                        |                        |
| D              | Jumlah Harga Tenaga Kerja, Bahan dan Peralatan (A+B+C)                                               |             |               |                  |                        | Rp 123.581,00          |
| E              | Biaya Umum dan Keuntungan (10% - 15%) x D                                                            |             |               |                  | 15% x D                | Rp 18.537,15           |
| F              | Harga Satuan Pekerjaan (D+E)                                                                         |             |               |                  |                        | Rp 142.118,15          |
|                |                                                                                                      |             |               |                  |                        |                        |

|              |                                                                  |             |               |                  |                         |                         |
|--------------|------------------------------------------------------------------|-------------|---------------|------------------|-------------------------|-------------------------|
| <b>3.7.3</b> | <b>Pemasangan 1 m2 plesteran campuran 1 SP : 3 PP tebal 15mm</b> |             |               |                  |                         |                         |
|              | <b>Uraian</b>                                                    | <b>Kode</b> | <b>Satuan</b> | <b>Koefisien</b> | <b>Harga Satuan(Rp)</b> | <b>Jumlah Harga(Rp)</b> |
| A            | Tenaga Kerja                                                     |             |               |                  |                         |                         |
|              | Pekerja                                                          | L.01        | OH            | 0,200            | Rp 130.000,00           | Rp 26.000,00            |
|              | Tukang Batu                                                      | L.02        | OH            | 0,100            | Rp 250.000,00           | Rp 25.000,00            |
|              | Kepala Tukang                                                    | L.03        | OH            | 0,010            | Rp 175.000,00           | Rp 1.750,00             |
|              | Mandor                                                           | L.04        | OH            | 0,0033           | Rp 300.000,00           | Rp 990,00               |
|              | Jumlah Harga Tenaga Kerja                                        |             |               |                  |                         | Rp 53.740,00            |
| B            | Bahan                                                            |             |               |                  |                         |                         |
|              | Semen portland                                                   |             | kg            | 7,776            | Rp 1.400,00             | Rp 10.886,40            |
|              | Pasir pasang                                                     |             | m3            | 0,023            | Rp 310.000,00           | Rp 7.130,00             |
|              | Jumlah Harga Bahan                                               |             |               |                  |                         | Rp 18.016,40            |
| C            | Peralatan                                                        |             |               |                  |                         |                         |
|              | Jumlah Harga Alat                                                |             |               |                  |                         |                         |
| D            | Jumlah Harga Tenaga Kerja, Bahan dan Peralatan (A+B+C)           |             |               |                  |                         | Rp 71.756,40            |
| E            | Biaya Umum dan Keuntungan (10% - 15%) x D                        |             |               |                  | 15% x D                 | Rp 10.763,46            |
| F            | Harga Satuan Pekerjaan (D+E)                                     |             |               |                  |                         | Rp 82.519,86            |
| <b>3.7.4</b> | <b>Pemasangan 1 m2 plesteran campuran 1 SP : 4 PP tebal 15mm</b> |             |               |                  |                         |                         |
|              | <b>Uraian</b>                                                    | <b>Kode</b> | <b>Satuan</b> | <b>Koefisien</b> | <b>Harga Satuan(Rp)</b> | <b>Jumlah Harga(Rp)</b> |
| A            | Tenaga Kerja                                                     |             |               |                  |                         |                         |
|              | Pekerja                                                          | L.01        | OH            | 0,200            | Rp 130.000,00           | Rp 26.000,00            |
|              | Tukang Batu                                                      | L.02        | OH            | 0,100            | Rp 250.000,00           | Rp 25.000,00            |
|              | Kepala Tukang                                                    | L.03        | OH            | 0,010            | Rp 175.000,00           | Rp 1.750,00             |
|              | Mandor                                                           | L.04        | OH            | 0,0033           | Rp 300.000,00           | Rp 990,00               |
|              | Jumlah Harga Tenaga Kerja                                        |             |               |                  |                         | Rp 53.740,00            |
| B            | Bahan                                                            |             |               |                  |                         |                         |
|              | Semen portland                                                   |             | kg            | 6,24             | Rp 1.400,00             | Rp 8.736,00             |
|              | Pasir pasang                                                     |             | m3            | 0,024            | Rp 310.000,00           | Rp 7.440,00             |
|              | Jumlah Harga Bahan                                               |             |               |                  |                         | Rp 16.176,00            |
| C            | Peralatan                                                        |             |               |                  |                         |                         |
|              | Jumlah Harga Alat                                                |             |               |                  |                         |                         |
| D            | Jumlah Harga Tenaga Kerja, Bahan dan Peralatan (A+B+C)           |             |               |                  |                         | Rp 69.916,00            |
| E            | Biaya Umum dan Keuntungan (10% - 15%) x D                        |             |               |                  | 15% x D                 | Rp 10.487,40            |
| F            | Harga Satuan Pekerjaan (D+E)                                     |             |               |                  |                         | Rp 80.403,40            |
| <b>3.7.8</b> | <b>Pemasangan 1 m2 acian</b>                                     |             |               |                  |                         |                         |
|              | <b>Uraian</b>                                                    | <b>Kode</b> | <b>Satuan</b> | <b>Koefisien</b> | <b>Harga Satuan(Rp)</b> | <b>Jumlah Harga(Rp)</b> |
| A            | Tenaga Kerja                                                     |             |               |                  |                         |                         |
|              | Pekerja                                                          | L.01        | OH            | 0,200            | Rp 130.000,00           | Rp 26.000,00            |
|              | Tukang Batu                                                      | L.02        | OH            | 0,100            | Rp 250.000,00           | Rp 25.000,00            |
|              | Kepala Tukang                                                    | L.03        | OH            | 0,010            | Rp 175.000,00           | Rp 1.750,00             |
|              | Mandor                                                           | L.04        | OH            | 0,0033           | Rp 300.000,00           | Rp 990,00               |
|              | Jumlah Harga Tenaga Kerja                                        |             |               |                  |                         | Rp 53.740,00            |
| B            | Bahan                                                            |             |               |                  |                         |                         |
|              | Semen portland                                                   |             | kg            | 3,250            | Rp 1.400,00             | Rp 4.550,00             |
|              | Jumlah Harga Bahan                                               |             |               |                  |                         | Rp 4.550,00             |
| C            | Peralatan                                                        |             |               |                  |                         |                         |
|              | Jumlah Harga Alat                                                |             |               |                  |                         |                         |
| D            | Jumlah Harga Tenaga Kerja, Bahan dan Peralatan (A+B+C)           |             |               |                  |                         | Rp 58.290,00            |
| E            | Biaya Umum dan Keuntungan (10% - 15%) x D                        |             |               |                  | 15% x D                 | Rp 8.743,50             |
| F            | Harga Satuan Pekerjaan (D+E)                                     |             |               |                  |                         | Rp 67.033,50            |

|                |                                                                                                               |             |               |                  |                        |                        |
|----------------|---------------------------------------------------------------------------------------------------------------|-------------|---------------|------------------|------------------------|------------------------|
| <b>3.8.5</b>   | <b>Pengecatan m2 bidang kayu baru (1 lapis plamuur, 1 lapis cat dasar, 3 lapis cat penutup)</b>               |             |               |                  |                        |                        |
|                | <b>Uraian</b>                                                                                                 | <b>Kode</b> | <b>Satuan</b> | <b>Koefisien</b> | <b>HargaSatuan(Rp)</b> | <b>JumlahHarga(Rp)</b> |
| A              | Tenaga Kerja                                                                                                  |             |               |                  |                        |                        |
|                | Pekerja                                                                                                       | L.01        | OH            | 0,0700           | Rp 130.000,00          | Rp 9.100,00            |
|                | Tukang Cat                                                                                                    | L.02        | OH            | 0,1050           | Rp 250.000,00          | Rp 26.250,00           |
|                | Kepala Tukang                                                                                                 | L.03        | OH            | 0,0105           | Rp 175.000,00          | Rp 1.837,50            |
|                | Mandor                                                                                                        | L.04        | OH            | 0,0035           | Rp 300.000,00          | Rp 1.050,00            |
|                | Jumlah Harga Tenaga Kerja                                                                                     |             |               |                  |                        | Rp 38.237,50           |
| B              | Bahan                                                                                                         |             |               |                  |                        |                        |
|                | Cat dasar                                                                                                     |             | kg            | 0,170            | Rp 57.700,00           | Rp 9.809,00            |
|                | Cat penutup                                                                                                   |             | kg            | 0,350            | Rp 65.500,00           | Rp 22.925,00           |
|                | Kuas                                                                                                          |             | buah          | 0,010            | Rp 25.000,00           | Rp 250,00              |
|                | Pengencer                                                                                                     |             | kg            | 0,030            | Rp 23.000,00           | Rp 690,00              |
|                | Ampelas                                                                                                       |             | lembar        | 0,200            | Rp -                   | Rp -                   |
|                | Jumlah Harga Bahan                                                                                            |             |               |                  |                        | Rp 33.674,00           |
| C              | Peralatan                                                                                                     |             |               |                  |                        |                        |
|                | Jumlah Harga Alat                                                                                             |             |               |                  |                        |                        |
| D              | Jumlah Harga Tenaga Kerja, Bahan dan Peralatan (A+B+C)                                                        |             |               |                  |                        | Rp 71.911,50           |
| E              | Biaya Umum dan Keuntungan (10% - 15%) x D                                                                     |             |               |                  | 15% x D                | Rp 10.786,73           |
| F              | Harga Satuan Pekerjaan (D+E)                                                                                  |             |               |                  |                        | Rp 82.698,23           |
| <b>3.8.10a</b> | <b>Pengecatan m2 bidang tembok baru ( 1 lapis plamuur, 1 lapis cat dasar, 2 lapis cat penutup ) interior</b>  |             |               |                  |                        |                        |
|                | <b>Uraian</b>                                                                                                 | <b>Kode</b> | <b>Satuan</b> | <b>Koefisien</b> | <b>HargaSatuan(Rp)</b> | <b>JumlahHarga(Rp)</b> |
| A              | Tenaga Kerja                                                                                                  |             |               |                  |                        |                        |
|                | Pekerja                                                                                                       | L.01        | OH            | 0,0667           | Rp 130.000,00          | Rp 8.671,00            |
|                | Tukang Cat                                                                                                    | L.02        | OH            | 0,0667           | Rp 250.000,00          | Rp 16.675,00           |
|                | Kepala Tukang                                                                                                 | L.03        | OH            | 0,0067           | Rp 175.000,00          | Rp 1.172,50            |
|                | Mandor                                                                                                        | L.04        | OH            | 0,0022           | Rp 300.000,00          | Rp 660,00              |
|                | Jumlah Harga Tenaga Kerja                                                                                     |             |               |                  |                        | Rp 27.178,50           |
| B              | Bahan                                                                                                         |             |               |                  |                        |                        |
|                | Cat dasar                                                                                                     |             | kg            | 0,100            | Rp 125.000,00          | Rp 12.500,00           |
|                | Cat penutup                                                                                                   |             | kg            | 0,260            | Rp 50.000,00           | Rp 13.000,00           |
|                | Jumlah Harga Bahan                                                                                            |             |               |                  |                        | Rp 25.500,00           |
| C              | Peralatan                                                                                                     |             |               |                  |                        |                        |
|                | Jumlah Harga Alat                                                                                             |             |               |                  |                        |                        |
| D              | Jumlah Harga Tenaga Kerja, Bahan dan Peralatan (A+B+C)                                                        |             |               |                  |                        | Rp 52.678,50           |
| E              | Biaya Umum dan Keuntungan (10% - 15%) x D                                                                     |             |               |                  | 15% x D                | Rp 7.901,78            |
| F              | Harga Satuan Pekerjaan (D+E)                                                                                  |             |               |                  |                        | Rp 60.580,28           |
| <b>3.8.10b</b> | <b>Pengecatan m2 bidang tembok baru ( 1 lapis plamuur, 1 lapis cat dasar, 2 lapis cat penutup ) eksterior</b> |             |               |                  |                        |                        |
|                | <b>Uraian</b>                                                                                                 | <b>Kode</b> | <b>Satuan</b> | <b>Koefisien</b> | <b>HargaSatuan(Rp)</b> | <b>JumlahHarga(Rp)</b> |
| A              | Tenaga Kerja                                                                                                  |             |               |                  |                        |                        |
|                | Pekerja                                                                                                       | L.01        | OH            | 0,0667           | Rp 130.000,00          | Rp 8.671,00            |
|                | Tukang Cat                                                                                                    | L.02        | OH            | 0,0667           | Rp 250.000,00          | Rp 16.675,00           |
|                | Kepala Tukang                                                                                                 | L.03        | OH            | 0,0067           | Rp 175.000,00          | Rp 1.172,50            |
|                | Mandor                                                                                                        | L.04        | OH            | 0,0022           | Rp 300.000,00          | Rp 660,00              |
|                | Jumlah Harga Tenaga Kerja                                                                                     |             |               |                  |                        | Rp 27.178,50           |
| B              | Bahan                                                                                                         |             |               |                  |                        |                        |
|                | Cat dasar                                                                                                     |             | kg            | 0,100            | Rp 125.000,00          | Rp 12.500,00           |
|                | Cat penutup EXTERIOR                                                                                          |             | kg            | 0,260            | Rp 110.000,00          | Rp 28.600,00           |
|                | Jumlah Harga Bahan                                                                                            |             |               |                  |                        | Rp 41.100,00           |
| C              | Peralatan                                                                                                     |             |               |                  |                        |                        |
|                | Jumlah Harga Alat                                                                                             |             |               |                  |                        |                        |
| D              | Jumlah Harga Tenaga Kerja, Bahan dan Peralatan (A+B+C)                                                        |             |               |                  |                        | Rp 68.278,50           |
| E              | Biaya Umum dan Keuntungan (10% - 15%) x D                                                                     |             |               |                  | 15% x D                | Rp 10.241,78           |
| F              | Harga Satuan Pekerjaan (D+E)                                                                                  |             |               |                  |                        | Rp 78.520,28           |

|                           |                                                                        |         |        |           |                    |            |                    |  |
|---------------------------|------------------------------------------------------------------------|---------|--------|-----------|--------------------|------------|--------------------|--|
| 3.4.3.b                   | Pemasangan 1 m2 Waterproofing                                          |         |        |           |                    |            |                    |  |
|                           | Uraian                                                                 | Kode    | Satuan | Koefisien | Harga Satuan (Rp)  |            | Jumlah Harga (Rp)  |  |
| A                         | Tenaga Kerja                                                           |         |        |           |                    |            |                    |  |
|                           | Pekerja                                                                | L.01    | OH     | 0,1000    | Rp                 | 130.000,00 | Rp 13.000,00       |  |
|                           | Tukang Cat                                                             | L.02    | OH     | 0,1000    | Rp                 | 175.000,00 | Rp 17.500,00       |  |
|                           | Kepala Tukang                                                          | L.03    | OH     | 0,0100    | Rp                 | 250.000,00 | Rp 2.500,00        |  |
|                           | Mandor                                                                 | L.04    | OH     | 0,0033    | Rp                 | 300.000,00 | Rp 990,00          |  |
| Jumlah Harga Tenaga Kerja |                                                                        |         |        |           |                    |            | Rp 33.990,00       |  |
| B                         | Bahan                                                                  |         |        |           |                    |            |                    |  |
|                           | Waterproof                                                             |         | kg     | 0,360     | Rp                 | 262.500,00 | Rp 94.500,00       |  |
| Jumlah Harga Bahan        |                                                                        |         |        |           |                    |            | Rp 94.500,00       |  |
| C                         | Peralatan                                                              |         |        |           |                    |            |                    |  |
| Jumlah Harga Alat         |                                                                        |         |        |           |                    |            |                    |  |
| D                         | Jumlah Harga Tenaga Kerja, Bahan dan Peralatan (A+B+C)                 |         |        |           |                    |            | Rp 128.490,00      |  |
| E                         | Biaya Umum dan Keuntungan (10% - 15%) x D                              |         |        |           | 15% x D            |            | Rp 19.273,50       |  |
| F                         | Harga Satuan Pekerjaan (D+E)                                           |         |        |           |                    |            | Rp 147.763,50      |  |
| 3.9.4.3                   | Pemasangan Lantai Keramik Homogenous Tile ukuran 60 cm x 60 Polished   |         |        |           |                    |            |                    |  |
| No                        | Uraian                                                                 | Kode    | Satuan | Koefisien | Harga Satuan (Rp.) |            | Jumlah Harga (Rp.) |  |
| A                         | TENAGA                                                                 |         |        |           |                    |            |                    |  |
|                           | Pekerja                                                                | L.01.01 | OH     | 0,250     | Rp                 | 130.000,00 | Rp 32.500,00       |  |
|                           | Tukang Batu                                                            | L.02.03 | OH     | 0,083     | Rp                 | 250.000,00 | Rp 20.825,00       |  |
|                           | Kepala tukang                                                          | L.03.01 | OH     | 0,008     | Rp                 | 175.000,00 | Rp 1.452,50        |  |
|                           | Mandor                                                                 | L.04.01 | OH     | 0,0028    | Rp                 | 300.000,00 | Rp 840,00          |  |
|                           |                                                                        |         |        |           |                    |            | Rp 55.617,50       |  |
| B                         | BAHAN                                                                  |         |        |           |                    |            |                    |  |
|                           | Keramik 60x60 cm polished                                              |         | M2     | 1,080     | Rp                 | 190.000,00 | Rp 205.200,00      |  |
|                           | Semen portland                                                         |         | Kg     | 13,632    | Rp                 | 1.400,00   | Rp 19.084,80       |  |
|                           | Pasir Pasang                                                           |         | M3     | 0,027     | Rp                 | 310.000,00 | Rp 8.370,00        |  |
|                           | Semen warna                                                            |         | Kg     | 1,500     | Rp                 | 18.700,00  | Rp 28.050,00       |  |
|                           |                                                                        |         |        |           |                    |            | Rp 260.704,80      |  |
| C                         | PERALATAN                                                              |         |        |           | Rp                 | -          | Rp -               |  |
|                           |                                                                        |         |        |           |                    |            | Rp -               |  |
| D                         | Jumlah (A+B+C)                                                         |         |        |           |                    |            | Rp 316.322,30      |  |
| E                         | Overhead & Provit 15%                                                  |         |        |           |                    |            | Rp 47.448,35       |  |
| F                         | Harga Satuan Pekerjaan (D+E)                                           |         |        |           |                    |            | Rp 363.770,00      |  |
| 3.9.4.3.a                 | Pemasangan Lantai Keramik Homogenous Tile ukuran 60 cm x 60 Unpolished |         |        |           |                    |            |                    |  |
| No                        | Uraian                                                                 | Kode    | Satuan | Koefisien | Harga Satuan (Rp.) |            | Jumlah Harga (Rp.) |  |
| A                         | TENAGA                                                                 |         |        |           |                    |            |                    |  |
|                           | Pekerja                                                                |         | OH     | 0,250     | Rp                 | 250.000,00 | Rp 62.500,00       |  |
|                           | Tukang Batu                                                            |         | OH     | 0,083     | Rp                 | 175.000,00 | Rp 14.577,50       |  |
|                           | Kepala tukang                                                          |         | OH     | 0,008     | Rp                 | 300.000,00 | Rp 2.490,00        |  |
|                           | Mandor                                                                 |         | OH     | 0,0028    | Rp                 | 300.000,00 | Rp 840,00          |  |
|                           |                                                                        |         |        |           |                    |            | Rp 80.407,50       |  |
| B                         | BAHAN                                                                  |         |        |           |                    |            |                    |  |
|                           | Keramik 60x60 cm unpolished                                            |         | Bh     | 1,080     | Rp                 | 240.000,00 | Rp 259.200,00      |  |
|                           | Semen portland                                                         |         | kg     | 13,632    | Rp                 | 1.400,00   | Rp 19.084,80       |  |
|                           | Pasir Pasang                                                           |         | Kg     | 0,027     | Rp                 | 310.000,00 | Rp 8.370,00        |  |
|                           | Semen warna                                                            |         | M3     | 1,500     | Rp                 | 18.700,00  | Rp 28.050,00       |  |
|                           |                                                                        |         |        |           |                    |            | Rp 314.704,80      |  |
| C                         | PERALATAN                                                              |         |        |           | Rp                 | -          | Rp -               |  |
|                           |                                                                        |         |        |           |                    |            | Rp -               |  |
| D                         | Jumlah (A+B+C)                                                         |         |        |           |                    |            | Rp 395.112,30      |  |
| E                         | Overhead & Provit 15%                                                  |         |        |           |                    |            | Rp 59.266,85       |  |
| F                         | Harga Satuan Pekerjaan (D+E)                                           |         |        |           |                    |            | Rp 454.379,00      |  |

|                   |                                                                                         |             |               |                  |                        |                        |
|-------------------|-----------------------------------------------------------------------------------------|-------------|---------------|------------------|------------------------|------------------------|
| <b>3.9.4.3.b</b>  | <b>Pemasangan 1 m2 Lantai Batu Alam</b>                                                 |             |               |                  |                        |                        |
|                   | <b>Uraian</b>                                                                           | <b>Kode</b> | <b>Satuan</b> | <b>Koefisien</b> | <b>HargaSatuan(Rp)</b> | <b>JumlahHarga(Rp)</b> |
| A                 | Tenaga Kerja                                                                            |             |               |                  |                        |                        |
|                   | Pekerja                                                                                 |             | OH            | 0,250            | Rp 130.000,00          | Rp 32.500,00           |
|                   | Tukang                                                                                  |             | OH            | 0,083            | Rp 250.000,00          | Rp 20.825,00           |
|                   | Kepala Tukang                                                                           |             | OH            | 0,008            | Rp 175.000,00          | Rp 1.452,50            |
|                   | Mandor                                                                                  |             | OH            | 0,0028           | Rp 300.000,00          | Rp 840,00              |
|                   | Jumlah Harga Tenaga Kerja                                                               |             |               |                  |                        | Rp 55.617,50           |
| B                 | Bahan                                                                                   |             |               |                  |                        |                        |
|                   | Batu Alam                                                                               |             | m2            | 1,100            | Rp 320.000,00          | Rp 352.000,00          |
|                   | Semen Portland                                                                          |             | kg            | 11,750           | Rp 1.400,00            | Rp 16.450,00           |
|                   | Pasir Pasang                                                                            |             | M3            | 0,035            | Rp 310.000,00          | Rp 10.850,00           |
|                   | Jumlah Harga Bahan                                                                      |             |               |                  |                        | Rp 379.300,00          |
| C                 | Peralatan                                                                               |             |               |                  |                        |                        |
|                   | Jumlah Harga Alat                                                                       |             |               |                  |                        |                        |
| D                 | Jumlah Harga Tenaga Kerja, Bahan dan Peralatan (A+B+C)                                  |             |               |                  |                        | Rp 434.917,50          |
| E                 | Biaya Umum dan Keuntungan (10% - 15%) x D                                               |             |               |                  | 15% x D                | Rp 65.237,63           |
| F                 | Harga Satuan Pekerjaan (D+E)                                                            |             |               |                  |                        | Rp 500.155,13          |
| <b>3.11.1.11a</b> | <b>Pembuatan 1 m2 daun pintu panel ( kayu kelas II )</b>                                |             |               |                  |                        |                        |
|                   | <b>Uraian</b>                                                                           | <b>Kode</b> | <b>Satuan</b> | <b>Koefisien</b> | <b>HargaSatuan(Rp)</b> | <b>JumlahHarga(Rp)</b> |
| A                 | Tenaga Kerja                                                                            |             |               |                  |                        |                        |
|                   | Pekerja                                                                                 | L.01        | OH            | 1,000            | Rp 130.000,00          | Rp 130.000,00          |
|                   | Tukang kayu                                                                             | L.02        | OH            | 3,000            | Rp 250.000,00          | Rp 750.000,00          |
|                   | Kepala Tukang                                                                           | L.03        | OH            | 0,3000           | Rp 175.000,00          | Rp 52.500,00           |
|                   | Mandor                                                                                  | L.04        | OH            | 0,1000           | Rp 300.000,00          | Rp 30.000,00           |
|                   | Jumlah Harga Tenaga Kerja                                                               |             |               |                  |                        | Rp 962.500,00          |
| B                 | Bahan                                                                                   |             |               |                  |                        |                        |
|                   | Papan kayu benuas                                                                       |             | m3            | 0,040            | Rp 7.000.000,00        | Rp 280.000,00          |
|                   | Lem Kayu                                                                                |             | kg            | 0,500            | Rp 62.500,00           | Rp 31.250,00           |
|                   | Jumlah Harga Bahan                                                                      |             |               |                  |                        | Rp 311.250,00          |
| C                 | Peralatan                                                                               |             |               |                  |                        |                        |
|                   | Jumlah Harga Alat                                                                       |             |               |                  |                        |                        |
| D                 | Jumlah Harga Tenaga Kerja, Bahan dan Peralatan (A+B+C)                                  |             |               |                  |                        | Rp 1.273.750,00        |
| E                 | Biaya Umum dan Keuntungan (10% - 15%) x D                                               |             |               |                  | 15% x D                | Rp 191.062,50          |
| F                 | Harga Satuan Pekerjaan (D+E)                                                            |             |               |                  |                        | Rp 1.464.812,50        |
| <b>3.11.3.2</b>   | <b>Pembuatan dan pemasangan 1m' kusen pintu dan jendela kayu kelas I ukuran 6x12 cm</b> |             |               |                  |                        |                        |
|                   | <b>Uraian</b>                                                                           | <b>Kode</b> | <b>Satuan</b> | <b>Koefisien</b> | <b>HargaSatuan(Rp)</b> | <b>JumlahHarga(Rp)</b> |
| A                 | Tenaga Kerja                                                                            |             |               |                  |                        |                        |
|                   | Pekerja                                                                                 | L.01        | OH            | 0,286            | Rp 130.000,00          | Rp 37.141,00           |
|                   | Tukang kayu                                                                             | L.02        | OH            | 0,143            | Rp 175.000,00          | Rp 25.007,50           |
|                   | Kepala Tukang                                                                           | L.03        | OH            | 0,0143           | Rp 250.000,00          | Rp 3.575,00            |
|                   | Mandor                                                                                  | L.04        | OH            | 0,0048           | Rp 300.000,00          | Rp 1.440,00            |
|                   | Jumlah Harga Tenaga Kerja                                                               |             |               |                  |                        | Rp 67.163,50           |
| B                 | Bahan                                                                                   |             |               |                  |                        |                        |
|                   | Balok kayu 6x12 cm                                                                      |             | m3            | 0,0086           | Rp 8.500.000,00        | Rp 73.100,00           |
|                   | Paku 10cm                                                                               |             | kg            | 0,128            | Rp 25.000,00           | Rp 3.190,00            |
|                   | Lem kayu                                                                                |             | kg            | 1,000            | Rp 12.500,00           | Rp 12.500,00           |
|                   | Jumlah Harga Bahan                                                                      |             |               |                  |                        | Rp 88.790,00           |
| C                 | Peralatan                                                                               |             |               |                  |                        |                        |
|                   | Jumlah Harga Alat                                                                       |             |               |                  |                        |                        |
| D                 | Jumlah Harga Tenaga Kerja, Bahan dan Peralatan (A+B+C)                                  |             |               |                  |                        | Rp 155.953,50          |
| E                 | Biaya Umum dan Keuntungan (10% - 15%) x D                                               |             |               |                  | 15% x D                | Rp 23.393,03           |
| F                 | Harga Satuan Pekerjaan (D+E)                                                            |             |               |                  |                        | Rp 179.346,53          |

|                  |                                                              |             |               |                  |                        |                        |
|------------------|--------------------------------------------------------------|-------------|---------------|------------------|------------------------|------------------------|
| <b>3.11.1.11</b> | <b>Pembuatan 1 m2 Daun Pintu Panel, Kayu Kelas I atau II</b> |             |               |                  |                        |                        |
|                  | <b>Uraian</b>                                                | <b>Kode</b> | <b>Satuan</b> | <b>Koefisien</b> | <b>HargaSatuan(Rp)</b> | <b>JumlahHarga(Rp)</b> |
| A                | Tenaga Kerja                                                 |             |               |                  |                        |                        |
|                  | Pekerja                                                      | L.01        | OH            | 1,000            | Rp 130.000,00          | Rp 130.000,00          |
|                  | Tukang kayu                                                  | L.02        | OH            | 3,000            | Rp 175.000,00          | Rp 525.000,00          |
|                  | Kepala Tukang                                                | L.03        | OH            | 0,3000           | Rp 250.000,00          | Rp 75.000,00           |
|                  | Mandor                                                       | L.04        | OH            | 0,1000           | Rp 300.000,00          | Rp 30.000,00           |
|                  | Jumlah Harga Tenaga Kerja                                    |             |               |                  |                        | Rp 760.000,00          |
| B                | Bahan                                                        |             |               |                  |                        |                        |
|                  | Kayu Papan Klas I (Ulin)                                     |             | m3            | 0,0400           | Rp 14.000.000,00       | Rp 560.000,00          |
|                  | Lem Putih (Fox)                                              |             | kg            | 0,500            | Rp 25.000,00           | Rp 12.500,00           |
|                  | Lem kayu                                                     |             | kg            | 1,000            | Rp 12.500,00           | Rp 12.500,00           |
|                  | Jumlah Harga Bahan                                           |             |               |                  |                        | Rp 585.000,00          |
| C                | Peralatan                                                    |             |               |                  |                        |                        |
|                  | Jumlah Harga Alat                                            |             |               |                  |                        |                        |
| D                | Jumlah Harga Tenaga Kerja, Bahan dan Peralatan (A+B+C)       |             |               |                  |                        | Rp 1.345.000,00        |
| E                | Biaya Umum dan Keuntungan (10% - 15%) x D                    |             |               |                  | 15% x D                | Rp 201.750,00          |
| F                | Harga Satuan Pekerjaan (D+E)                                 |             |               |                  |                        | Rp 1.546.750,00        |
|                  |                                                              |             |               |                  |                        |                        |
|                  |                                                              |             |               |                  |                        |                        |
| <b>3.12.3</b>    | <b>Pemasangan 1 m2 kaca polos tebal 5mm</b>                  |             |               |                  |                        |                        |
|                  | <b>Uraian</b>                                                | <b>Kode</b> | <b>Satuan</b> | <b>Koefisien</b> | <b>HargaSatuan(Rp)</b> | <b>JumlahHarga(Rp)</b> |
| A                | Tenaga Kerja                                                 |             |               |                  |                        |                        |
|                  | Pekerja                                                      | L.01        | OH            | 0,015            | Rp 130.000,00          | Rp 1.950,00            |
|                  | Tukang Kaca                                                  | L.02        | OH            | 0,150            | Rp 175.000,00          | Rp 26.250,00           |
|                  | Kepala Tukang                                                | L.03        | OH            | 0,0150           | Rp 250.000,00          | Rp 3.750,00            |
|                  | Mandor                                                       | L.04        | OH            | 0,0050           | Rp 250.000,00          | Rp 1.250,00            |
|                  | Jumlah Harga Tenaga Kerja                                    |             |               |                  |                        | Rp 33.200,00           |
| B                | Bahan                                                        |             |               |                  |                        |                        |
|                  | Kaca tebal 5mm                                               |             | m2            | 1,1000           | Rp 115.500,00          | Rp 127.050,00          |
|                  | Silicone sealant 300 ml                                      |             | tube          | 0,0500           | Rp 85.400,00           | Rp 4.270,00            |
|                  | Jumlah Harga Bahan                                           |             |               |                  |                        | Rp 131.320,00          |
| C                | Peralatan                                                    |             |               |                  |                        |                        |
|                  | Jumlah Harga Alat                                            |             |               |                  |                        |                        |
| D                | Jumlah Harga Tenaga Kerja, Bahan dan Peralatan (A+B+C)       |             |               |                  |                        | Rp 164.520,00          |
| E                | Biaya Umum dan Keuntungan (10% - 15%) x D                    |             |               |                  | 15% x D                | Rp 24.678,00           |
| F                | Harga Satuan Pekerjaan (D+E)                                 |             |               |                  |                        | Rp 189.198,00          |
|                  |                                                              |             |               |                  |                        |                        |
|                  |                                                              |             |               |                  |                        |                        |
| <b>3.18.3.2</b>  | <b>Pemasangan 1 buah kloset jongkok</b>                      |             |               |                  |                        |                        |
|                  | <b>Uraian</b>                                                | <b>Kode</b> | <b>Satuan</b> | <b>Koefisien</b> | <b>HargaSatuan(Rp)</b> | <b>JumlahHarga(Rp)</b> |
| A                | Tenaga Kerja                                                 |             |               |                  |                        |                        |
|                  | Pekerja                                                      | L.01        | OH            | 0,500            | Rp 130.000,00          | Rp 65.000,00           |
|                  | Tukang                                                       | L.02        | OH            | 0,500            | Rp 175.000,00          | Rp 87.500,00           |
|                  | Kepala Tukang                                                | L.03        | OH            | 0,0500           | Rp 250.000,00          | Rp 12.500,00           |
|                  | Mandor                                                       | L.04        | OH            | 0,0167           | Rp 300.000,00          | Rp 5.010,00            |
|                  | Jumlah Harga Tenaga Kerja                                    |             |               |                  |                        | Rp 170.010,00          |
| B                | Bahan                                                        |             |               |                  |                        |                        |
|                  | Kloset duduk                                                 |             | unit          | 1,0000           | Rp 750.000,00          | Rp 750.000,00          |
|                  | Pasangan bata 1 PC : 4PS                                     |             | m2            | 0,0360           | Rp 192.664,10          | Rp 6.935,91            |
|                  | Pasir pasang                                                 |             | m3            | 0,0100           | Rp 330.000,00          | Rp 3.300,00            |
|                  | Jumlah Harga Bahan                                           |             |               |                  |                        | Rp 760.235,91          |
| C                | Peralatan                                                    |             |               |                  |                        |                        |
|                  | Jumlah Harga Alat                                            |             |               |                  |                        |                        |
| D                | Jumlah Harga Tenaga Kerja, Bahan dan Peralatan (A+B+C)       |             |               |                  |                        | Rp 930.245,91          |
| E                | Biaya Umum dan Keuntungan (10% - 15%) x D                    |             |               |                  | 15% x D                | Rp 139.536,89          |
| F                | Harga Satuan Pekerjaan (D+E)                                 |             |               |                  |                        | Rp 1.069.782,79        |
|                  |                                                              |             |               |                  |                        |                        |

|                 |                                                             |             |               |                  |                        |                        |
|-----------------|-------------------------------------------------------------|-------------|---------------|------------------|------------------------|------------------------|
| <b>3.18.5.3</b> | <b>Pemasangan 1 buah bak mandi fiberglass volume 0,3 m3</b> |             |               |                  |                        |                        |
|                 | <b>Uraian</b>                                               | <b>Kode</b> | <b>Satuan</b> | <b>Koefisien</b> | <b>HargaSatuan(Rp)</b> | <b>JumlahHarga(Rp)</b> |
| A               | Tenaga Kerja                                                |             |               |                  |                        |                        |
|                 | Pekerja                                                     | L.01        | OH            | 0,286            | Rp 130.000,00          | Rp 37.141,00           |
|                 | Tukang                                                      | L.02        | OH            | 0,143            | Rp 175.000,00          | Rp 25.007,50           |
|                 | Kepala Tukang                                               | L.03        | OH            | 0,0500           | Rp 250.000,00          | Rp 12.500,00           |
|                 | Mandor                                                      | L.04        | OH            | 0,0900           | Rp 300.000,00          | Rp 27.000,00           |
|                 | Jumlah Harga Tenaga Kerja                                   |             |               |                  |                        | Rp 101.648,50          |
| B               | Bahan                                                       |             |               |                  |                        |                        |
|                 | Bak fiberglass                                              |             | unit          | 1,0000           | Rp 150.000,00          | Rp 150.000,00          |
|                 | Pipa PVC 3/4"                                               |             | m'            | 2,0000           | Rp -                   | Rp -                   |
|                 | Stop kran 3/4"                                              |             | buah          | 1,0000           | Rp -                   | Rp -                   |
|                 | Jumlah Harga Bahan                                          |             |               |                  |                        | Rp 150.000,00          |
| C               | Peralatan                                                   |             |               |                  |                        |                        |
|                 | Jumlah Harga Alat                                           |             |               |                  |                        |                        |
| D               | Jumlah Harga Tenaga Kerja, Bahan dan Peralatan (A+B+C)      |             |               |                  |                        | Rp 251.648,50          |
| E               | Biaya Umum dan Keuntungan (10% - 15%) x D                   |             |               |                  | 15% x D                | Rp 37.747,28           |
| F               | Harga Satuan Pekerjaan (D+E)                                |             |               |                  |                        | Rp 289.395,78          |
| <b>3.18.6.1</b> | <b>Pemasangan 1 buah floor drain</b>                        |             |               |                  |                        |                        |
|                 | <b>Uraian</b>                                               | <b>Kode</b> | <b>Satuan</b> | <b>Koefisien</b> | <b>HargaSatuan(Rp)</b> | <b>JumlahHarga(Rp)</b> |
| A               | Tenaga Kerja                                                |             |               |                  |                        |                        |
|                 | Pekerja                                                     | L.01        | OH            | 0,010            | Rp 130.000,00          | Rp 1.300,00            |
|                 | Tukang                                                      | L.02        | OH            | 0,100            | Rp 175.000,00          | Rp 17.500,00           |
|                 | Kepala Tukang                                               | L.03        | OH            | 0,0100           | Rp 250.000,00          | Rp 2.500,00            |
|                 | Mandor                                                      | L.04        | OH            | 0,0033           | Rp 300.000,00          | Rp 990,00              |
|                 | Jumlah Harga Tenaga Kerja                                   |             |               |                  |                        | Rp 22.290,00           |
| B               | Bahan                                                       |             |               |                  |                        |                        |
|                 | Floor drain                                                 |             | unit          | 1,0000           | Rp 125.000,00          | Rp 125.000,00          |
|                 | Jumlah Harga Bahan                                          |             |               |                  |                        | Rp 125.000,00          |
| C               | Peralatan                                                   |             |               |                  |                        |                        |
|                 | Jumlah Harga Alat                                           |             |               |                  |                        |                        |
| D               | Jumlah Harga Tenaga Kerja, Bahan dan Peralatan (A+B+C)      |             |               |                  |                        | Rp 147.290,00          |
| E               | Biaya Umum dan Keuntungan (10% - 15%) x D                   |             |               |                  | 15% x D                | Rp 22.093,50           |
| F               | Harga Satuan Pekerjaan (D+E)                                |             |               |                  |                        | Rp 169.383,50          |
| <b>3.18.6.2</b> | <b>Pemasangan 1 buah kran diameter 1/2" atau 3/4"</b>       |             |               |                  |                        |                        |
|                 | <b>Uraian</b>                                               | <b>Kode</b> | <b>Satuan</b> | <b>Koefisien</b> | <b>HargaSatuan(Rp)</b> | <b>JumlahHarga(Rp)</b> |
| A               | Tenaga Kerja                                                |             |               |                  |                        |                        |
|                 | Pekerja                                                     | L.01        | OH            | 0,010            | Rp 130.000,00          | Rp 1.300,00            |
|                 | Tukang                                                      | L.02        | OH            | 0,400            | Rp 175.000,00          | Rp 70.000,00           |
|                 | Kepala Tukang                                               | L.03        | OH            | 0,0400           | Rp 250.000,00          | Rp 10.000,00           |
|                 | Mandor                                                      | L.04        | OH            | 0,0033           | Rp 300.000,00          | Rp 990,00              |
|                 | Jumlah Harga Tenaga Kerja                                   |             |               |                  |                        | Rp 82.290,00           |
| B               | Bahan                                                       |             |               |                  |                        |                        |
|                 | Kran air biasa 3/4"                                         |             | buah          | 1,0000           | Rp 125.000,00          | Rp 125.000,00          |
|                 | Seal tape                                                   |             | buah          | 0,0250           | Rp 15.000,00           | Rp 375,00              |
|                 | Jumlah Harga Bahan                                          |             |               |                  |                        | Rp 125.375,00          |
| C               | Peralatan                                                   |             |               |                  |                        |                        |
|                 | Jumlah Harga Alat                                           |             |               |                  |                        |                        |
| D               | Jumlah Harga Tenaga Kerja, Bahan dan Peralatan (A+B+C)      |             |               |                  |                        | Rp 207.665,00          |
| E               | Biaya Umum dan Keuntungan (10% - 15%) x D                   |             |               |                  | 15% x D                | Rp 31.149,75           |
| F               | Harga Satuan Pekerjaan (D+E)                                |             |               |                  |                        | Rp 238.814,75          |

|                  |                                                         |             |               |                  |                        |                        |
|------------------|---------------------------------------------------------|-------------|---------------|------------------|------------------------|------------------------|
| <b>3.18.6.2a</b> | <b>Pemasangan 1 buah kran diameter 1/2" Aatau 3/4"</b>  |             |               |                  |                        |                        |
|                  | <b>Uraian</b>                                           | <b>Kode</b> | <b>Satuan</b> | <b>Koefisien</b> | <b>HargaSatuan(Rp)</b> | <b>JumlahHarga(Rp)</b> |
| A                | Tenaga Kerja                                            |             |               |                  |                        |                        |
|                  | Pekerja                                                 | L.01        | OH            | 0,010            | Rp 130.000,00          | Rp 1.300,00            |
|                  | Tukang                                                  | L.02        | OH            | 0,400            | Rp 175.000,00          | Rp 70.000,00           |
|                  | Kepala Tukang                                           | L.03        | OH            | 0,0400           | Rp 250.000,00          | Rp 10.000,00           |
|                  | Mandor                                                  | L.04        | OH            | 0,0033           | Rp 300.000,00          | Rp 990,00              |
|                  | Jumlah Harga Tenaga Kerja                               |             |               |                  |                        | Rp 82.290,00           |
| B                | Bahan                                                   |             |               |                  |                        |                        |
|                  | Kran air stainlees 3/4"                                 |             | buah          | 1,0000           | Rp 250.000,00          | Rp 250.000,00          |
|                  | Seal tape                                               |             | buah          | 0,0250           | Rp 15.000,00           | Rp 375,00              |
|                  | Jumlah Harga Bahan                                      |             |               |                  |                        | Rp 250.375,00          |
| C                | Peralatan                                               |             |               |                  |                        |                        |
|                  | Jumlah Harga Alat                                       |             |               |                  |                        |                        |
| D                | Jumlah Harga Tenaga Kerja, Bahan dan Peralatan (A+B+C)  |             |               |                  |                        | Rp 332.665,00          |
| E                | Biaya Umum dan Keuntungan (10% - 15%) x D               |             |               |                  | 15% x D                | Rp 49.899,75           |
| F                | Harga Satuan Pekerjaan (D+E)                            |             |               |                  |                        | Rp 382.564,75          |
|                  |                                                         |             |               |                  |                        |                        |
| <b>6.4.1.2</b>   | <b>Pemasangan 1 m pipa PVC AW diameter 3/4" (20mm)</b>  |             |               |                  |                        |                        |
|                  | <b>Uraian</b>                                           | <b>Kode</b> | <b>Satuan</b> | <b>Koefisien</b> | <b>HargaSatuan(Rp)</b> | <b>JumlahHarga(Rp)</b> |
| A                | Tenaga Kerja                                            |             |               |                  |                        |                        |
|                  | Pekerja                                                 | L.01        | OH            | 0,024            | Rp 130.000,00          | Rp 3.120,00            |
|                  | Tukang Pipa                                             | L.02        | OH            | 0,040            | Rp 175.000,00          | Rp 7.000,00            |
|                  | Kepala Tukang                                           | L.03        | OH            | 0,0040           | Rp 250.000,00          | Rp 1.000,00            |
|                  | Mandor                                                  | L.04        | OH            | 0,0010           | Rp 300.000,00          | Rp 300,00              |
|                  | Jumlah Harga Tenaga Kerja                               |             |               |                  |                        | Rp 11.420,00           |
| B                | Bahan                                                   |             |               |                  |                        |                        |
|                  | Pipa PVC AW diameter 3/4" (20mm) + nitung dan aksesoris |             | m'            | 1,450            | Rp 11.025,00           | Rp 15.986,25           |
|                  | Jumlah Harga Bahan                                      |             |               |                  |                        | Rp 15.986,25           |
| C                | Peralatan                                               |             |               |                  |                        |                        |
|                  | Jumlah Harga Alat                                       |             |               |                  |                        |                        |
| D                | Jumlah Harga Tenaga Kerja, Bahan dan Peralatan (A+B+C)  |             |               |                  |                        | Rp 27.406,25           |
| E                | Biaya Umum dan Keuntungan (10% - 15%) x D               |             |               |                  | 15% x D                | Rp 4.110,94            |
| F                | Harga Satuan Pekerjaan (D+E)                            |             |               |                  |                        | Rp 31.517,19           |
|                  |                                                         |             |               |                  |                        |                        |
| <b>6.4.1.6</b>   | <b>Pemasangan 1 m pipa PVC AW diameter 2" (50mm)</b>    |             |               |                  |                        |                        |
|                  | <b>Uraian</b>                                           | <b>Kode</b> | <b>Satuan</b> | <b>Koefisien</b> | <b>HargaSatuan(Rp)</b> | <b>JumlahHarga(Rp)</b> |
| A                | Tenaga Kerja                                            |             |               |                  |                        |                        |
|                  | Pekerja                                                 | L.01        | OH            | 0,063            | Rp 130.000,00          | Rp 8.190,00            |
|                  | Tukang Pipa                                             | L.02        | OH            | 0,104            | Rp 175.000,00          | Rp 18.200,00           |
|                  | Kepala Tukang                                           | L.03        | OH            | 0,0100           | Rp 250.000,00          | Rp 2.500,00            |
|                  | Mandor                                                  | L.04        | OH            | 0,0030           | Rp 300.000,00          | Rp 900,00              |
|                  | Jumlah Harga Tenaga Kerja                               |             |               |                  |                        | Rp 29.790,00           |
| B                | Bahan                                                   |             |               |                  |                        |                        |
|                  | Pipa PVC AW diameter 2" (50mm) + nitung dan aksesoris   |             | m'            | 1,450            | Rp 38.050,00           | Rp 55.172,50           |
|                  | Jumlah Harga Bahan                                      |             |               |                  |                        | Rp 55.172,50           |
| C                | Peralatan                                               |             |               |                  |                        |                        |
|                  | Jumlah Harga Alat                                       |             |               |                  |                        |                        |
| D                | Jumlah Harga Tenaga Kerja, Bahan dan Peralatan (A+B+C)  |             |               |                  |                        | Rp 84.962,50           |
| E                | Biaya Umum dan Keuntungan (10% - 15%) x D               |             |               |                  | 15% x D                | Rp 12.744,38           |
| F                | Harga Satuan Pekerjaan (D+E)                            |             |               |                  |                        | Rp 97.706,88           |
|                  |                                                         |             |               |                  |                        |                        |

|                |                                                                                           |             |                |                  |                           |                           |
|----------------|-------------------------------------------------------------------------------------------|-------------|----------------|------------------|---------------------------|---------------------------|
| <b>6.4.1.8</b> | <b>Pemasangan 1 m pipa PVC AW diameter 2,5"</b>                                           |             |                |                  |                           |                           |
|                | <b>Uraian</b>                                                                             | <b>Kode</b> | <b>Satuan</b>  | <b>Koefisien</b> | <b>Harga Satuan (Rp)</b>  | <b>Jumlah Harga (Rp)</b>  |
| A              | Tenaga Kerja                                                                              |             |                |                  |                           |                           |
|                | Pekerja                                                                                   | L.01        | OH             | 0,094            | Rp 130.000,00             | Rp 12.220,00              |
|                | Tukang Pipa                                                                               | L.02        | OH             | 0,157            | Rp 175.000,00             | Rp 27.475,00              |
|                | Kepala Tukang                                                                             | L.03        | OH             | 0,0160           | Rp 250.000,00             | Rp 4.000,00               |
|                | Mandor                                                                                    | L.04        | OH             | 0,0050           | Rp 300.000,00             | Rp 1.500,00               |
|                | Jumlah Harga Tenaga Kerja                                                                 |             |                |                  |                           | Rp 45.195,00              |
| B              | Bahan                                                                                     |             |                |                  |                           |                           |
|                | Pipa PVC AW diameter 2,5" + fitting dan aksesoris                                         |             | m'             | 1,450            | Rp 71.125,00              | Rp 103.131,25             |
|                | Jumlah Harga Bahan                                                                        |             |                |                  |                           | Rp 103.131,25             |
| C              | Peralatan                                                                                 |             |                |                  |                           |                           |
|                | Jumlah Harga Alat                                                                         |             |                |                  |                           |                           |
| D              | Jumlah Harga Tenaga Kerja, Bahan dan Peralatan (A+B+C)                                    |             |                |                  |                           | Rp 148.326,25             |
| E              | Biaya Umum dan Keuntungan (10% - 15%) x D                                                 |             |                |                  | 15% x D                   | Rp 22.248,94              |
| F              | Harga Satuan Pekerjaan (D+E)                                                              |             |                |                  |                           | Rp 170.575,19             |
| <b>6.4.1.9</b> | <b>Pemasangan 1 m pipa PVC AW diameter 4" (100 mm)</b>                                    |             |                |                  |                           |                           |
|                | <b>Uraian</b>                                                                             | <b>Kode</b> | <b>Satuan</b>  | <b>Koefisien</b> | <b>Harga Satuan (Rp)</b>  | <b>Jumlah Harga (Rp)</b>  |
| A              | Tenaga Kerja                                                                              |             |                |                  |                           |                           |
|                | Pekerja                                                                                   | L.01        | OH             | 0,123            | Rp 130.000,00             | Rp 15.990,00              |
|                | Tukang Pipa                                                                               | L.02        | OH             | 0,205            | Rp 175.000,00             | Rp 35.875,00              |
|                | Kepala Tukang                                                                             | L.03        | OH             | 0,0210           | Rp 250.000,00             | Rp 5.250,00               |
|                | Mandor                                                                                    | L.04        | OH             | 0,0060           | Rp 300.000,00             | Rp 1.800,00               |
|                | Jumlah Harga Tenaga Kerja                                                                 |             |                |                  |                           | Rp 58.915,00              |
| B              | Bahan                                                                                     |             |                |                  |                           |                           |
|                | Pipa PVC AW diameter 4" (100mm) + fitting dan aksesoris                                   |             | m'             | 1,450            | Rp 225.000,00             | Rp 326.250,00             |
|                | Jumlah Harga Bahan                                                                        |             |                |                  |                           | Rp 326.250,00             |
| C              | Peralatan                                                                                 |             |                |                  |                           |                           |
|                | Jumlah Harga Alat                                                                         |             |                |                  |                           |                           |
| D              | Jumlah Harga Tenaga Kerja, Bahan dan Peralatan (A+B+C)                                    |             |                |                  |                           | Rp 385.165,00             |
| E              | Biaya Umum dan Keuntungan (10% - 15%) x D                                                 |             |                |                  | 15% x D                   | Rp 57.774,75              |
| F              | Harga Satuan Pekerjaan (D+E)                                                              |             |                |                  |                           | Rp 442.939,75             |
| <b>7.1.1.3</b> | <b>Pemasangan 1 m<sup>2</sup> Paving block (Blok Beton) Natural Tebal 8 cm f'c 20 MPa</b> |             |                |                  |                           |                           |
| No             | <b>Uraian</b>                                                                             | <b>Kode</b> | <b>Satuan</b>  | <b>Koefisien</b> | <b>Harga Satuan (Rp.)</b> | <b>Jumlah Harga (Rp.)</b> |
| A              | TENAGA                                                                                    |             |                |                  |                           |                           |
|                | Pekerja                                                                                   | L.01.01     | OH             | 0,500            | Rp 130.000,00             | Rp 65.000,00              |
|                | Tukang                                                                                    | L.02.04     | OH             | 0,500            | Rp 175.000,00             | Rp 87.500,00              |
|                | Kepala tukang                                                                             | L.03.01     | OH             | 0,050            | Rp 250.000,00             | Rp 12.500,00              |
|                | Mandor                                                                                    | L.04.01     | OH             | 0,0167           | Rp 300.000,00             | Rp 5.010,00               |
|                | JUMLAH TENAGA KERJA                                                                       |             |                |                  |                           | Rp 170.010,00             |
| B              | BAHAN                                                                                     |             |                |                  |                           |                           |
|                | Paving Stone/conblock tebal 8 cm.                                                         |             | bh             | 44,0000          | Rp 3.200,00               | Rp 140.800,00             |
|                | Pasir pasang                                                                              |             | m <sup>3</sup> | 0,0500           | Rp 310.000,00             | Rp 15.500,00              |
|                | JUMLAH HARGA BAHAN                                                                        |             |                |                  |                           | Rp 156.300,00             |
| C              | PERALATAN                                                                                 |             |                |                  | Rp -                      |                           |
|                | JUMLAH HARGA ALAT                                                                         |             |                |                  |                           |                           |
| D              | Jumlah (A+B+C)                                                                            |             |                |                  |                           | Rp 326.310,00             |
| E              | Overhead & profit 15%                                                                     |             |                |                  | 15%                       | Rp 48.946,50              |
| F              | Harga Satuan Pekerjaan (D+E)                                                              |             |                |                  |                           | Rp 375.256,00             |

| 7.1.1.3.a | Pemasangan 1 m2 Gresblock (Blok Beton berlubang) Natural Tebal 8 cm |         |                            |           |                    |                      |
|-----------|---------------------------------------------------------------------|---------|----------------------------|-----------|--------------------|----------------------|
| No        | Uraian                                                              | Kode    | Satuan                     | Koefisien | Harga Satuan (Rp.) | Jumlah Harga (Rp.)   |
| A         | TENAGA                                                              |         |                            |           |                    |                      |
|           | Pekerja                                                             | L.01.01 | OH                         | 0,500     | Rp 130.000,00      | Rp 65.000,00         |
|           | Tukang                                                              | L.02.04 | OH                         | 0,500     | Rp 175.000,00      | Rp 87.500,00         |
|           | Kepala tukang                                                       | L.03.01 | OH                         | 0,050     | Rp 250.000,00      | Rp 12.500,00         |
|           | Mandor                                                              | L.04.01 | OH                         | 0,0167    | Rp 300.000,00      | Rp 5.010,00          |
|           |                                                                     |         | <b>JUMLAH TENAGA KERJA</b> |           |                    | <b>Rp 170.010,00</b> |
| B         | BAHAN                                                               |         |                            |           |                    |                      |
|           | Gresblok tebal 8 cm.                                                |         | bh                         | 7,5000    | Rp 29.480,00       | Rp 221.100,00        |
|           | Pasir pasang                                                        |         | m3                         | 0,0500    | Rp 310.000,00      | Rp 15.500,00         |
|           |                                                                     |         | <b>JUMLAH HARGA BAHAN</b>  |           |                    | <b>Rp 236.600,00</b> |
| C         | PERALATAN                                                           |         |                            |           | Rp -               |                      |
|           |                                                                     |         | <b>JUMLAH HARGA ALAT</b>   |           |                    |                      |
| D         | Jumlah (A+B+C)                                                      |         |                            |           |                    | Rp 406.610,00        |
| E         | Overhead & profit 15%                                               |         |                            | 15%       |                    | Rp 60.991,50         |
| F         | Harga Satuan Pekerjaan (D+E)                                        |         |                            |           |                    | Rp 467.601,00        |
|           |                                                                     |         |                            |           |                    |                      |
|           |                                                                     |         |                            |           |                    |                      |
|           |                                                                     |         |                            |           |                    |                      |
|           |                                                                     |         |                            |           |                    |                      |
|           |                                                                     |         |                            |           |                    |                      |

|         |                                                                                          |         |        |           |                    |                    |
|---------|------------------------------------------------------------------------------------------|---------|--------|-----------|--------------------|--------------------|
| 7.1.2.2 | Pemasangan 1 m' Kanstin, tebal 15x40x60 cm untuk Jalan Akses/Penghubung (Jalan Kolektor) |         |        |           |                    |                    |
| No      | Uraian                                                                                   | Kode    | Satuan | Koefisien | Harga Satuan (Rp.) | Jumlah Harga (Rp.) |
| A       | TENAGA                                                                                   |         |        |           |                    |                    |
|         | Pekerja                                                                                  | L.01.01 | OH     | 0,0333    | Rp 130.000,00      | Rp 4.329,00        |
|         | Tukang                                                                                   | L.02.04 | OH     | 0,0167    | Rp 175.000,00      | Rp 2.922,50        |
|         | Kepala tukang                                                                            | L.03.01 | OH     | 0,0168    | Rp 250.000,00      | Rp 4.200,00        |
|         | Mandor                                                                                   | L.04.01 | OH     | 0,0017    | Rp 300.000,00      | Rp 510,00          |
|         | JUMLAH TENAGA KERJA                                                                      |         |        |           |                    | Rp 11.961,50       |
| B       | BAHAN                                                                                    |         |        |           |                    |                    |
|         | Kanstin uk 15x40x60 beton f'c 25 Mpa                                                     |         | bh     | 1,6667    | Rp 200.000,00      | Rp 333.340,00      |
|         | Pasir beton                                                                              |         | m3     | 0,0077    | Rp 280.000,00      | Rp 2.167,32        |
|         | Semen PC                                                                                 |         | kg     | 1,9282    | Rp 1.400,00        | Rp 2.699,48        |
|         | JUMLAH HARGA BAHAN                                                                       |         |        |           |                    | Rp 335.507,32      |
| C       | PERALATAN                                                                                |         |        |           |                    |                    |
|         | JUMLAH HARGA ALAT                                                                        |         |        |           |                    |                    |
| D       | Jumlah (A+B+C)                                                                           |         |        |           |                    | Rp 348.818,56      |
| E       | Overhead & profit 15%                                                                    |         |        | 15%       |                    | Rp 52.322,78       |
| F       | Harga Satuan Pekerjaan (D+E)                                                             |         |        |           |                    | Rp 401.141,00      |

|           |                                                           |      |        |           |                   |                   |
|-----------|-----------------------------------------------------------|------|--------|-----------|-------------------|-------------------|
| 4.1.4.3.a | Penanaman 1 m2 semak, Bunga asoka 9 buah/m2, polybag 20 L |      |        |           |                   |                   |
|           | Uraian                                                    | Kode | Satuan | Koefisien | Harga Satuan (Rp) | Jumlah Harga (Rp) |
| A         | Tenaga Kerja                                              |      |        |           |                   |                   |
|           | Pekerja                                                   | L.01 | OH     | 0,050     | Rp 130.000,00     | Rp 6.500,00       |
|           | Mandor                                                    | L.04 | OH     | 0,010     | Rp 300.000,00     | Rp 3.000,00       |
|           | Jumlah Harga Tenaga Kerja                                 |      |        |           |                   | Rp 9.500,00       |
| B         | Bahan                                                     |      |        |           |                   |                   |
|           | Tanam tanaman bunga asoka                                 |      | bh     | 9,000     | Rp 30.000,00      | Rp 270.000,00     |
|           | Media tanam                                               |      |        |           |                   |                   |
|           | Tanah subur                                               |      | m3     | 0,020     | Rp 315.000,00     | Rp 6.300,00       |
|           | Pupuk organik                                             |      | m3     | 0,005     | Rp 15.000,00      | Rp 75,00          |
|           | Jumlah Harga Bahan                                        |      |        |           |                   | Rp 276.375,00     |
| C         | Peralatan                                                 |      |        |           |                   |                   |
|           | Jumlah Harga Alat                                         |      |        |           |                   |                   |
| D         | Jumlah Harga Tenaga Kerja, Bahan dan Peralatan (A+B+C)    |      |        |           |                   | Rp 285.875,00     |
| E         | Biaya Umum dan Keuntungan (10% - 15%) x D                 |      |        |           | 15% x D           | Rp 42.881,25      |
| F         | Harga Satuan Pekerjaan (D+E)                              |      |        |           |                   | Rp 328.756,25     |

|                           |                                                                                |             |               |                  |                          |                          |
|---------------------------|--------------------------------------------------------------------------------|-------------|---------------|------------------|--------------------------|--------------------------|
| <b>4.1.4.3.b</b>          | <b>Penanaman 1 m2 semak, Bunga burung cendrawasih, 9 buah/m2, polybag 20 L</b> |             |               |                  |                          |                          |
|                           | <b>Uraian</b>                                                                  | <b>Kode</b> | <b>Satuan</b> | <b>Koefisien</b> | <b>Harga Satuan (Rp)</b> | <b>Jumlah Harga (Rp)</b> |
| A                         | Tenaga Kerja                                                                   |             |               |                  |                          |                          |
|                           | Pekerja                                                                        | L.01        | OH            | 0,050            | Rp 130.000,00            | Rp 6.500,00              |
|                           | Mandor                                                                         | L.04        | OH            | 0,010            | Rp 300.000,00            | Rp 3.000,00              |
| Jumlah Harga Tenaga Kerja |                                                                                |             |               |                  |                          | <b>Rp 9.500,00</b>       |
| B                         | Bahan                                                                          |             |               |                  |                          |                          |
|                           | Tanam tanaman bunga burung cendrawasih                                         |             | bh            | 9,000            | Rp 26.000,00             | Rp 234.000,00            |
|                           | Media tanam                                                                    |             |               |                  |                          |                          |
|                           | Tanah subur                                                                    |             | m3            | 0,020            | Rp 315.000,00            | Rp 6.300,00              |
|                           | Pupuk organik                                                                  |             | m3            | 0,005            | Rp 15.000,00             | Rp 75,00                 |
| Jumlah Harga Bahan        |                                                                                |             |               |                  |                          | <b>Rp 240.375,00</b>     |
| C                         | Peralatan                                                                      |             |               |                  |                          |                          |
| Jumlah Harga Alat         |                                                                                |             |               |                  |                          |                          |
| D                         | Jumlah Harga Tenaga Kerja, Bahan dan Peralatan (A+B+C)                         |             |               |                  |                          | <b>Rp 249.875,00</b>     |
| E                         | Biaya Umum dan Keuntungan (10% - 15%) x D                                      |             |               |                  | 15% x D                  | <b>Rp 37.481,25</b>      |
| F                         | Harga Satuan Pekerjaan (D+E)                                                   |             |               |                  |                          | <b>Rp 287.356,25</b>     |

|                           |                                                                             |             |               |                  |                          |                          |
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| <b>4.1.4.3.c</b>          | <b>Penanaman 1 m2 semak, Bunga bunga sensivera, 9 buah/m2, polybag 20 L</b> |             |               |                  |                          |                          |
|                           | <b>Uraian</b>                                                               | <b>Kode</b> | <b>Satuan</b> | <b>Koefisien</b> | <b>Harga Satuan (Rp)</b> | <b>Jumlah Harga (Rp)</b> |
| A                         | Tenaga Kerja                                                                |             |               |                  |                          |                          |
|                           | Pekerja                                                                     | L.01        | OH            | 0,050            | Rp 130.000,00            | Rp 6.500,00              |
|                           | Mandor                                                                      | L.04        | OH            | 0,010            | Rp 300.000,00            | Rp 3.000,00              |
| Jumlah Harga Tenaga Kerja |                                                                             |             |               |                  |                          | <b>Rp 9.500,00</b>       |
| B                         | Bahan                                                                       |             |               |                  |                          |                          |
|                           | Tanam tanaman bunga sensivera                                               |             | bh            | 9,000            | Rp 26.000,00             | Rp 234.000,00            |
|                           | Media tanam                                                                 |             |               |                  |                          |                          |
|                           | Tanah subur                                                                 |             | m3            | 0,020            | Rp 315.000,00            | Rp 6.300,00              |
|                           | Pupuk organik                                                               |             | m3            | 0,005            | Rp 15.000,00             | Rp 75,00                 |
| Jumlah Harga Bahan        |                                                                             |             |               |                  |                          | <b>Rp 240.375,00</b>     |
| C                         | Peralatan                                                                   |             |               |                  |                          |                          |
| Jumlah Harga Alat         |                                                                             |             |               |                  |                          |                          |
| D                         | Jumlah Harga Tenaga Kerja, Bahan dan Peralatan (A+B+C)                      |             |               |                  |                          | <b>Rp 249.875,00</b>     |
| E                         | Biaya Umum dan Keuntungan (10% - 15%) x D                                   |             |               |                  | 15% x D                  | <b>Rp 37.481,25</b>      |
| F                         | Harga Satuan Pekerjaan (D+E)                                                |             |               |                  |                          | <b>Rp 287.356,25</b>     |

|                           |                                                                          |             |               |                  |                        |                        |
|---------------------------|--------------------------------------------------------------------------|-------------|---------------|------------------|------------------------|------------------------|
| <b>4.1.4.3.d</b>          | <b>Penanaman 1 m2 semak, Bunga rombusa mini, 9 buah/m2, polybag 20 L</b> |             |               |                  |                        |                        |
|                           | <b>Uraian</b>                                                            | <b>Kode</b> | <b>Satuan</b> | <b>Koefisien</b> | <b>HargaSatuan(Rp)</b> | <b>JumlahHarga(Rp)</b> |
| A                         | Tenaga Kerja                                                             |             |               |                  |                        |                        |
|                           | Pekerja                                                                  | L.01        | OH            | 0,050            | Rp 130.000,00          | Rp 6.500,00            |
|                           | Mandor                                                                   | L.04        | OH            | 0,010            | Rp 300.000,00          | Rp 3.000,00            |
| Jumlah Harga Tenaga Kerja |                                                                          |             |               |                  |                        | <b>Rp 9.500,00</b>     |
| B                         | Bahan                                                                    |             |               |                  |                        |                        |
|                           | Tanam tanaman bunga rombusa mini                                         |             | bh            | 9,000            | Rp 30.000,00           | Rp 270.000,00          |
|                           | Media tanam                                                              |             |               |                  |                        |                        |
|                           | Tanah subur                                                              |             | m3            | 0,020            | Rp 315.000,00          | Rp 6.300,00            |
|                           | Pupuk organik                                                            |             | m3            | 0,005            | Rp 15.000,00           | Rp 75,00               |
| Jumlah Harga Bahan        |                                                                          |             |               |                  |                        | <b>Rp 276.375,00</b>   |
| C                         | Peralatan                                                                |             |               |                  |                        |                        |
| Jumlah Harga Alat         |                                                                          |             |               |                  |                        |                        |
| D                         | Jumlah Harga Tenaga Kerja, Bahan dan Peralatan (A+B+C)                   |             |               |                  |                        | <b>Rp 285.875,00</b>   |
| E                         | Biaya Umum dan Keuntungan (10% - 15%) x D                                |             |               |                  | 15% x D                | <b>Rp 42.881,25</b>    |
| F                         | Harga Satuan Pekerjaan (D+E)                                             |             |               |                  |                        | <b>Rp 328.756,25</b>   |

|                           |                                                                   |             |               |                  |                        |                        |
|---------------------------|-------------------------------------------------------------------|-------------|---------------|------------------|------------------------|------------------------|
| <b>4.1.4.3.f</b>          | <b>Penanaman 1 m2 semak, Bunga aster, 9 buah/m2, polybag 20 L</b> |             |               |                  |                        |                        |
|                           | <b>Uraian</b>                                                     | <b>Kode</b> | <b>Satuan</b> | <b>Koefisien</b> | <b>HargaSatuan(Rp)</b> | <b>JumlahHarga(Rp)</b> |
| A                         | Tenaga Kerja                                                      |             |               |                  |                        |                        |
|                           | Pekerja                                                           | L.01        | OH            | 0,050            | Rp 130.000,00          | Rp 6.500,00            |
|                           | Mandor                                                            | L.04        | OH            | 0,010            | Rp 300.000,00          | Rp 3.000,00            |
| Jumlah Harga Tenaga Kerja |                                                                   |             |               |                  |                        | <b>Rp 9.500,00</b>     |
| B                         | Bahan                                                             |             |               |                  |                        |                        |
|                           | Tanam tanaman bunga aster                                         |             | bh            | 9,000            | Rp 27.000,00           | Rp 243.000,00          |
|                           | Media tanam                                                       |             |               |                  |                        |                        |
|                           | Tanah subur                                                       |             | m3            | 0,020            | Rp 315.000,00          | Rp 6.300,00            |
|                           | Pupuk organik                                                     |             | m3            | 0,005            | Rp 15.000,00           | Rp 75,00               |
| Jumlah Harga Bahan        |                                                                   |             |               |                  |                        | <b>Rp 249.375,00</b>   |
| C                         | Peralatan                                                         |             |               |                  |                        |                        |
| Jumlah Harga Alat         |                                                                   |             |               |                  |                        |                        |
| D                         | Jumlah Harga Tenaga Kerja, Bahan dan Peralatan (A+B+C)            |             |               |                  |                        | <b>Rp 258.875,00</b>   |
| E                         | Biaya Umum dan Keuntungan (10% - 15%) x D                         |             |               |                  | 15% x D                | <b>Rp 38.831,25</b>    |
| F                         | Harga Satuan Pekerjaan (D+E)                                      |             |               |                  |                        | <b>Rp 297.706,25</b>   |

|         |                                                            |      |        |           |                   |                      |
|---------|------------------------------------------------------------|------|--------|-----------|-------------------|----------------------|
| 4.1.2.2 | Penanaman 1 buah pohon kecil Pucuk Merah (Syzigium oleina) |      |        |           |                   |                      |
|         | Uraian                                                     | Kode | Satuan | Koefisien | Harga Satuan (Rp) | Jumlah Harga (Rp)    |
| A       | Tenaga Kerja                                               |      |        |           |                   |                      |
|         | Pekerja                                                    | L.01 | OH     | 0,0200    | Rp 130.000,00     | Rp 2.600,00          |
|         | Mandor                                                     | L.04 | OH     | 0,0067    | Rp 300.000,00     | Rp 2.010,00          |
|         | Jumlah Harga Tenaga Kerja                                  |      |        |           |                   | <b>Rp 4.610,00</b>   |
| B       | Bahan                                                      |      |        |           |                   |                      |
|         | Tanam tanaman pucuk merah T.120 cm                         |      | bh     | 1,000     | Rp 180.000,00     | Rp 180.000,00        |
|         | Media tanam                                                |      |        |           |                   |                      |
|         | Tanah subur                                                |      | m3     | 0,020     | Rp 315.000,00     | Rp 6.300,00          |
|         | Pupuk organik                                              |      | m3     | 0,005     | Rp 15.000,00      | Rp 75,00             |
|         | Jumlah Harga Bahan                                         |      |        |           |                   | <b>Rp 186.375,00</b> |
| C       | Peralatan                                                  |      |        |           |                   |                      |
|         | Jumlah Harga Alat                                          |      |        |           |                   |                      |
| D       | Jumlah Harga Tenaga Kerja, Bahan dan Peralatan (A+B+C)     |      |        |           |                   | <b>Rp 190.985,00</b> |
| E       | Biaya Umum dan Keuntungan (10% - 15%) x D                  |      |        |           | 15% x D           | <b>Rp 28.647,75</b>  |
| F       | Harga Satuan Pekerjaan (D+E)                               |      |        |           |                   | <b>Rp 219.600,00</b> |

|    |                                 |         |        |           |                    |                      |
|----|---------------------------------|---------|--------|-----------|--------------------|----------------------|
| Ls | Pemasangan 1 m' List Profil GRC |         |        |           |                    |                      |
| No | Uraian                          | Kode    | Satuan | Koefisien | Harga Satuan (Rp.) | Jumlah Harga (Rp.)   |
| A  | TENAGA                          |         |        |           |                    |                      |
|    | Pekerja                         | L.01.01 | OH     | 0,0333    | Rp 130.000,00      | Rp 4.329,00          |
|    | Tukang                          | L.02.04 | OH     | 0,0167    | Rp 175.000,00      | Rp 2.922,50          |
|    | Kepala tukang                   | L.03.01 | OH     | 0,0168    | Rp 250.000,00      | Rp 4.200,00          |
|    | Mandor                          | L.04.01 | OH     | 0,0017    | Rp 300.000,00      | Rp 510,00            |
|    | JUMLAH TENAGA KERJA             |         |        |           |                    | <b>Rp 11.961,50</b>  |
| B  | BAHAN                           |         |        |           |                    |                      |
|    | List Profil GRC 55 cm           |         | bh     | 1,6667    | Rp 550.000,00      | Rp 916.685,00        |
|    | Pasir beton                     |         | m3     | 0,0077    | Rp 75.000,00       | Rp 580,53            |
|    | Semen PC                        |         | kg     | 1,9282    | Rp 30.000,00       | Rp 57.846,00         |
|    | JUMLAH HARGA BAHAN              |         |        |           |                    | <b>Rp 917.265,53</b> |
| C  | PERALATAN                       |         |        |           |                    |                      |
|    | JUMLAH HARGA ALAT               |         |        |           |                    |                      |
| D  | Jumlah (A+B+C)                  |         |        |           |                    | Rp 958.150,03        |
| E  | Overhead & profit 15%           |         |        |           | 15%                | Rp 143.722,50        |
| F  | Harga Satuan Pekerjaan (D+E)    |         |        |           |                    | Rp 1.101.872,00      |
| G  | Koof diatas 4 m                 |         |        | 1,3500    |                    | Rp 1.487.527,20      |

| Ls | Pemasangan 1 m2 Lantai Koral Sikat |         |                     |           |                    |                    |
|----|------------------------------------|---------|---------------------|-----------|--------------------|--------------------|
| No | Uraian                             | Kode    | Satuan              | Koefisien | Harga Satuan (Rp.) | Jumlah Harga (Rp.) |
| A  | TENAGA COATING                     |         |                     |           |                    |                    |
|    | Pekerja                            | L.01.01 | OH                  | 0,0667    | Rp 130.000,00      | Rp 8.671,00        |
|    | Tukang                             | L.02.04 | OH                  | 0,0667    | Rp 175.000,00      | Rp 11.672,50       |
|    | Kepala tukang                      | L.03.01 | OH                  | 0,0067    | Rp 250.000,00      | Rp 1.675,00        |
|    | Mandor                             | L.04.01 | OH                  | 0,0022    | Rp 300.000,00      | Rp 660,00          |
|    |                                    |         | JUMLAH TENAGA KERJA |           |                    | Rp 22.678,50       |
| B  | BAHAN                              |         |                     |           |                    |                    |
|    | Batu koral sikat (terpasang)       |         | kg                  | 1,100     | Rp 367.500,00      | Rp 404.250,00      |
|    | Melamik                            |         | kg                  | 0,100     | Rp 73.000,00       | Rp 7.300,00        |
|    |                                    |         | JUMLAH HARGA BAHAN  |           |                    | Rp 411.550,00      |
| C  | PERALATAN                          |         |                     |           |                    |                    |
|    |                                    |         | JUMLAH HARGA ALAT   |           |                    |                    |
| D  | Jumlah (A+B+C)                     |         |                     |           |                    | Rp 434.228,50      |
| E  | Overhead & profit 15%              |         |                     | 15%       |                    | Rp 65.134,28       |
| F  | Harga Satuan Pekerjaan (D+E)       |         |                     |           |                    | Rp 499.362,00      |

| 5.3.1.1 | Pemasangan 1 titik Instalasi Lampu     |         |                     |           |                    |                    |
|---------|----------------------------------------|---------|---------------------|-----------|--------------------|--------------------|
| No      | Uraian                                 | Kode    | Satuan              | Koefisien | Harga Satuan (Rp.) | Jumlah Harga (Rp.) |
| A       | TENAGA                                 |         |                     |           |                    |                    |
|         | Pekerja                                | L.01.01 | OH                  | 0,190     | Rp 130.000,00      | Rp 24.700,00       |
|         | Tukang                                 | L.02.04 | OH                  | 0,318     | Rp 175.000,00      | Rp 55.650,00       |
|         | Mandor                                 | L.04.01 | OH                  | 0,011     | Rp 300.000,00      | Rp 3.300,00        |
|         |                                        |         | JUMLAH TENAGA KERJA |           |                    | Rp 83.650,00       |
| B       | BAHAN                                  |         |                     |           |                    |                    |
|         | Kabel NYM 3 X 2,5 mm                   |         | m                   | 8,800     | Rp 16.500,00       | Rp 145.200,00      |
|         | Pipa listrik Polos C 5/8 Putih 4 meter |         | m                   | 7,000     | Rp 4.840,00        | Rp 33.880,00       |
|         | T. Dus, Com Dus                        |         | buah                | 1,000     | Rp 7.800,00        | Rp 7.800,00        |
|         | Isolasi                                |         | m                   | 0,500     | Rp 10.000,00       | Rp 5.000,00        |
|         |                                        |         | JUMLAH HARGA BAHAN  |           |                    | Rp 191.880,00      |
| C       | PERALATAN                              |         |                     |           |                    |                    |
|         |                                        |         | JUMLAH HARGA ALAT   |           |                    |                    |
| D       | Jumlah (A+B+C)                         |         |                     |           |                    | Rp 275.530,00      |
| E       | Overhead & profit 15%                  |         |                     | 15%       |                    | Rp 41.329,50       |
| F       | Harga Satuan Pekerjaan (D+E)           |         |                     |           |                    | Rp 316.859,00      |

| 5.3.1.3.a | Pemasangan 1 Unit Downlight 4 Inch 14.5 Watt LED |         |                     |           |                    |                    |
|-----------|--------------------------------------------------|---------|---------------------|-----------|--------------------|--------------------|
| No        | Uraian                                           | Kode    | Satuan              | Koefisien | Harga Satuan (Rp.) | Jumlah Harga (Rp.) |
| A         | TENAGA                                           |         |                     |           |                    |                    |
|           | Pekerja                                          | L.01.01 | OH                  | 0,064     | Rp 130.000,00      | Rp 8.320,00        |
|           | Tukang                                           | L.02.04 | OH                  | 0,107     | Rp 175.000,00      | Rp 18.725,00       |
|           | Mandor                                           | L.04.01 | OH                  | 0,004     | Rp 300.000,00      | Rp 1.200,00        |
|           |                                                  |         | JUMLAH TENAGA KERJA |           |                    | Rp 28.245,00       |
| B         | BAHAN                                            |         |                     |           |                    |                    |
|           | Downlight 4"                                     |         | Bh                  | 1,000     | Rp 64.100,00       | Rp 64.100,00       |
|           | Lampu SL 18 Watt                                 |         | Bh                  | 1,000     | Rp 86.100,00       | Rp 86.100,00       |
|           |                                                  |         | JUMLAH HARGA BAHAN  |           |                    | Rp 150.200,00      |
| C         | PERALATAN                                        |         |                     |           |                    |                    |
|           |                                                  |         | JUMLAH HARGA ALAT   |           |                    |                    |
| D         | Jumlah (A+B+C)                                   |         |                     |           |                    | Rp 178.445,00      |
| E         | Overhead & profit 15%                            |         |                     | 15%       |                    | Rp 26.766,75       |
| F         | Harga Satuan Pekerjaan (D+E)                     |         |                     |           |                    | Rp 205.211,00      |

| 5.3.1.3.a | Pemasangan 1 Unit Downlight 4 Inch 14.5 Watt LED |         |                     |           |                    |                    |
|-----------|--------------------------------------------------|---------|---------------------|-----------|--------------------|--------------------|
| No        | Uraian                                           | Kode    | Satuan              | Koefisien | Harga Satuan (Rp.) | Jumlah Harga (Rp.) |
| A         | TENAGA                                           |         |                     |           |                    |                    |
|           | Pekerja                                          | L.01.01 | OH                  | 0,060     | Rp 130.000,00      | Rp 7.800,00        |
|           | Tukang                                           | L.02.04 | OH                  | 0,010     | Rp 175.000,00      | Rp 1.750,00        |
|           |                                                  |         | JUMLAH TENAGA KERJA |           |                    | Rp 9.550,00        |
| B         | BAHAN                                            |         |                     |           |                    |                    |
|           | Lampu LED Selang Rope Light Strips               |         | m                   | 1,000     | Rp 27.000,00       | 27.000             |
|           | Alat Pelengkapan                                 |         | %                   | 5,000     | Rp 27.000,00       | 1.350              |
|           |                                                  |         | JUMLAH HARGA BAHAN  |           |                    | Rp 28.350,00       |
| C         | PERALATAN                                        |         |                     |           |                    |                    |
|           |                                                  |         | JUMLAH HARGA ALAT   |           |                    |                    |
| D         | Jumlah (A+B+C)                                   |         |                     |           |                    | Rp 37.900,00       |
| E         | Overhead & profit 15%                            |         |                     | 15%       |                    | Rp 5.685,00        |
| F         | Harga Satuan Pekerjaan (D+E)                     |         |                     |           |                    | Rp 43.585,00       |

| 5.1.5.13 | Pemasangan 1 titik Instalasi Stop Kontak |         |                     |           |                    |                    |
|----------|------------------------------------------|---------|---------------------|-----------|--------------------|--------------------|
| No       | Uraian                                   | Kode    | Satuan              | Koefisien | Harga Satuan (Rp.) | Jumlah Harga (Rp.) |
| A        | TENAGA                                   |         |                     |           |                    |                    |
|          | Pekerja                                  | L.01.01 | OH                  | 0,205     | Rp 130.000,00      | Rp 26.650,00       |
|          | Tukang                                   | L.02.04 | OH                  | 0,342     | Rp 175.000,00      | Rp 59.850,00       |
|          | Mandor                                   | L.04.01 | OH                  | 0,011     | Rp 300.000,00      | Rp 3.300,00        |
|          |                                          |         | JUMLAH TENAGA KERJA |           |                    | Rp 89.800,00       |
| B        | BAHAN                                    |         |                     |           |                    |                    |
|          | Kabel NYM 3 X 2,5 mm                     |         | m                   | 10,000    | Rp 16.500,00       | Rp 165.000,00      |
|          | Pipa listrik Polos C 5/8 Putih 4 meter   |         | m                   | 8,000     | Rp 4.840,00        | Rp 38.720,00       |
|          | T. Dus, Com Dus                          |         | buah                | 1,000     | Rp 7.800,00        | Rp 7.800,00        |
|          | Isolasi                                  |         | m                   | 0,500     | Rp 10.000,00       | Rp 5.000,00        |
|          |                                          |         | JUMLAH HARGA BAHAN  |           |                    | Rp 216.520,00      |
| C        | PERALATAN                                |         |                     |           |                    |                    |
|          |                                          |         | JUMLAH HARGA ALAT   |           |                    |                    |
| D        | Jumlah (A+B+C)                           |         |                     |           |                    | Rp 306.320,00      |
| E        | Overhead & profit 15%                    |         |                     | 15%       |                    | Rp 45.948,00       |
| F        | Harga Satuan Pekerjaan (D+E)             |         |                     |           |                    | Rp 352.268,00      |

| 5.1.5.1 | Pemasangan 1 Unit Saklar Tunggal |         |                     |           |                    |                    |
|---------|----------------------------------|---------|---------------------|-----------|--------------------|--------------------|
| No      | Uraian                           | Kode    | Satuan              | Koefisien | Harga Satuan (Rp.) | Jumlah Harga (Rp.) |
| A       | TENAGA                           |         |                     |           |                    |                    |
|         | Pekerja                          | L.01.01 | OH                  | 0,031     | Rp 130.000,00      | Rp 4.030,00        |
|         | Tukang                           | L.02.04 | OH                  | 0,052     | Rp 175.000,00      | Rp 9.100,00        |
|         | Mandor                           | L.04.01 | OH                  | 0,002     | Rp 300.000,00      | Rp 600,00          |
|         |                                  |         | JUMLAH TENAGA KERJA |           |                    | Rp 13.730,00       |
| B       | BAHAN                            |         |                     |           |                    |                    |
|         | Saklar Tunggal                   |         | m                   | 1,100     | Rp 21.000,00       | Rp 23.100,00       |
|         |                                  |         | JUMLAH HARGA BAHAN  |           |                    | Rp 23.100,00       |
| C       | PERALATAN                        |         |                     |           |                    |                    |
|         |                                  |         | JUMLAH HARGA ALAT   |           |                    |                    |
| D       | Jumlah (A+B+C)                   |         |                     |           |                    | Rp 36.830,00       |
| E       | Overhead & profit 15%            |         |                     | 15%       |                    | Rp 5.524,50        |
| F       | Harga Satuan Pekerjaan (D+E)     |         |                     |           |                    | Rp 42.354,00       |

| 5.1.5.2 |                              | Pemasangan 1 Unit Saklar Ganda |                     |           |                    |                    |
|---------|------------------------------|--------------------------------|---------------------|-----------|--------------------|--------------------|
| No      | Uraian                       | Kode                           | Satuan              | Koefisien | Harga Satuan (Rp.) | Jumlah Harga (Rp.) |
| A       | TENAGA                       |                                |                     |           |                    |                    |
|         | Pekerja                      | L.01.01                        | OH                  | 0,031     | Rp 130.000,00      | Rp 4.030,00        |
|         | Tukang                       | L.02.04                        | OH                  | 0,052     | Rp 175.000,00      | Rp 9.100,00        |
|         | Mandor                       | L.04.01                        | OH                  | 0,002     | Rp 300.000,00      | Rp 600,00          |
|         |                              |                                | JUMLAH TENAGA KERJA |           |                    | Rp 13.730,00       |
| B       | BAHAN                        |                                |                     |           |                    |                    |
|         | Saklar Double                |                                | m                   | 1,100     | Rp 21.000,00       | Rp 23.100,00       |
|         |                              |                                | JUMLAH HARGA BAHAN  |           |                    | Rp 23.100,00       |
| C       | PERALATAN                    |                                |                     |           |                    |                    |
|         |                              |                                | JUMLAH HARGA ALAT   |           |                    |                    |
| D       | Jumlah (A+B+C)               |                                |                     |           |                    | Rp 36.830,00       |
| E       | Overhead & profit 15%        |                                |                     | 15%       |                    | Rp 5.524,50        |
| F       | Harga Satuan Pekerjaan (D+E) |                                |                     |           |                    | Rp 42.354,00       |

| 5.1.5.12 |                              | Pemasangan 1 Unit Stop Kontak |                     |           |                    |                    |
|----------|------------------------------|-------------------------------|---------------------|-----------|--------------------|--------------------|
| No       | Uraian                       | Kode                          | Satuan              | Koefisien | Harga Satuan (Rp.) | Jumlah Harga (Rp.) |
| A        | TENAGA                       |                               |                     |           |                    |                    |
|          | Pekerja                      | L.01.01                       | OH                  | 0,038     | Rp 130.000,00      | Rp 4.940,00        |
|          | Tukang                       | L.02.04                       | OH                  | 0,064     | Rp 175.000,00      | Rp 11.200,00       |
|          | Mandor                       | L.04.01                       | OH                  | 0,002     | Rp 300.000,00      | Rp 600,00          |
|          |                              |                               | JUMLAH TENAGA KERJA |           |                    | Rp 16.740,00       |
| B        | BAHAN                        |                               |                     |           |                    |                    |
|          | Saklar Double                |                               | m                   | 1,100     | Rp 31.500,00       | Rp 34.650,00       |
|          |                              |                               | JUMLAH HARGA BAHAN  |           |                    | Rp 34.650,00       |
| C        | PERALATAN                    |                               |                     |           |                    |                    |
|          |                              |                               | JUMLAH HARGA ALAT   |           |                    |                    |
| D        | Jumlah (A+B+C)               |                               |                     |           |                    | Rp 51.390,00       |
| E        | Overhead & profit 15%        |                               |                     | 15%       |                    | Rp 7.708,50        |
| F        | Harga Satuan Pekerjaan (D+E) |                               |                     |           |                    | Rp 59.098,00       |

| DP.A.11 |                                                        | Pekejaan 1m2 Pasangan ACP t 4 mm + Rangka |        |           |                   |                   |
|---------|--------------------------------------------------------|-------------------------------------------|--------|-----------|-------------------|-------------------|
|         | Uraian                                                 | Kode                                      | Satuan | Koefisien | Harga Satuan (Rp) | Jumlah Harga (Rp) |
| A       | Tenaga Kerja                                           |                                           |        |           |                   |                   |
|         | Pekerja                                                | L.01                                      | OH     | 0,390     | Rp 130.000,00     | Rp 50.700,00      |
|         | Tukang Besi                                            | L.02                                      | OH     | 0,700     | Rp 250.000,00     | Rp 175.000,00     |
|         | Kepala Tukang                                          | L.03                                      | OH     | 0,070     | Rp 175.000,00     | Rp 12.250,00      |
|         | Mandor                                                 | L.04                                      | OH     | 0,007     | Rp 300.000,00     | Rp 2.100,00       |
|         | Jumlah Harga Tenaga Kerja                              |                                           |        |           |                   | Rp 240.050,00     |
| B       | Bahan                                                  |                                           |        |           |                   |                   |
|         | Acp Seven 4Mm Pvd Metalick - 1.22 X 2.44               |                                           | m2     | 1,10      | Rp 873.000,00     | Rp 960.300,00     |
|         | Besi Hollow Galvanis 4x4x1 mm                          |                                           | btg    | 0,80      | Rp 108.000,00     | Rp 86.400,00      |
|         | Braket Siku / spigot / stiffene                        |                                           | btg    | 0,27      | Rp 60.000,00      | Rp 16.020,00      |
|         | Paku Skrup Beto                                        |                                           | kg     | 0,08      | Rp 21.600,00      | Rp 1.728,00       |
|         | Paku Skrup                                             |                                           | kg     | 0,11      | Rp 21.600,00      | Rp 2.376,00       |
|         | Sealen kaca                                            |                                           | tube   | 0,25      | Rp 85.400,00      | Rp 21.350,00      |
|         | Jumlah Harga Bahan                                     |                                           |        |           |                   | Rp 1.088.174,00   |
| C       | Peralatan                                              |                                           |        |           |                   |                   |
|         | Jumlah Harga Alat                                      |                                           |        |           |                   |                   |
| D       | Jumlah Harga Tenaga Kerja, Bahan dan Peralatan (A+B+C) |                                           |        |           |                   | Rp 1.328.224,00   |
| E       | Biaya Umum dan Keuntungan (10% - 15%) x D              |                                           |        |           | 15% x D           | Rp 199.233,60     |
| F       | Harga Satuan Pekerjaan (D+E)                           |                                           |        |           |                   | Rp 1.527.457,60   |

| DP.A.12                   | Pekejaan 1m2 Pasangan ACP t 4 mm Cutting + Rangka      |      |        |           |                 |                 |
|---------------------------|--------------------------------------------------------|------|--------|-----------|-----------------|-----------------|
|                           | Uraian                                                 | Kode | Satuan | Koefisien | HargaSatuan(Rp) | JumlahHarga(Rp) |
| A                         | Tenaga Kerja                                           |      |        |           |                 |                 |
|                           | Pekerja                                                | L.01 | OH     | 0,390     | Rp 130.000,00   | Rp 50.700,00    |
|                           | Tukang Besi                                            | L.02 | OH     | 0,700     | Rp 250.000,00   | Rp 175.000,00   |
|                           | Kepala Tukang                                          | L.03 | OH     | 0,070     | Rp 175.000,00   | Rp 12.250,00    |
|                           | Mandor                                                 | L.04 | OH     | 0,007     | Rp 300.000,00   | Rp 2.100,00     |
|                           | Jasa cuting ACP t 4 mm                                 |      | cm     | 10000,000 | Rp 20,00        | Rp 200.000,00   |
|                           |                                                        |      |        |           |                 |                 |
| Jumlah Harga Tenaga Kerja |                                                        |      |        |           |                 | Rp 440.050,00   |
| B                         | Bahan                                                  |      |        |           |                 |                 |
|                           | Acp Seven 4Mm Pvd Metalick - 1.22 X 2.44               |      | m2     | 1,10      | Rp 873.000,00   | Rp 960.300,00   |
|                           | Besi Hollow Galvanis 4x4x1 mm                          |      | btg    | 0,80      | Rp 108.000,00   | Rp 86.400,00    |
|                           | Braket Siku / spigot / stiffene                        |      | btg    | 0,27      | Rp 60.000,00    | Rp 16.020,00    |
|                           | Paku Skrup Beto                                        |      | kg     | 0,08      | Rp 21.600,00    | Rp 1.728,00     |
|                           | Paku Skrup                                             |      | kg     | 0,11      | Rp 21.600,00    | Rp 2.376,00     |
|                           | Sealen kaca                                            |      | tube   | 0,25      | Rp 85.400,00    | Rp 21.350,00    |
|                           |                                                        |      |        |           |                 |                 |
|                           |                                                        |      |        |           |                 |                 |
| Jumlah Harga Bahan        |                                                        |      |        |           |                 | Rp 1.088.174,00 |
| C                         | Peralatan                                              |      |        |           |                 |                 |
|                           | Jumlah Harga Alat                                      |      |        |           |                 |                 |
| D                         | Jumlah Harga Tenaga Kerja, Bahan dan Peralatan (A+B+C) |      |        |           |                 | Rp 1.528.224,00 |
| E                         | Biaya Umum dan Keuntungan (10% - 15%) x D              |      |        |           | 15% x D         | Rp 229.233,60   |
| F                         | Harga Satuan Pekerjaan (D+E)                           |      |        |           |                 | Rp 1.757.457,60 |

| Ls                        | Pekejaan 1m2 Pasangan Ornamen Acrylic Nyala            |      |        |           |                  |                  |
|---------------------------|--------------------------------------------------------|------|--------|-----------|------------------|------------------|
|                           | Uraian                                                 | Kode | Satuan | Koefisien | Harga Satuan(Rp) | Jumlah Harga(Rp) |
| A                         | Tenaga Kerja                                           |      |        |           |                  |                  |
|                           | Pekerja                                                | L.01 | OH     | 0,600     | Rp 130.000,00    | Rp 78.000,00     |
| Jumlah Harga Tenaga Kerja |                                                        |      |        |           |                  | Rp 78.000,00     |
| B                         | Bahan                                                  |      |        |           |                  |                  |
|                           | Neon Box uk. 70 cm x 70 cm                             |      | unit   | 2,04      | Rp 1.100.000,00  | Rp 2.244.897,96  |
| Jumlah Harga Bahan        |                                                        |      |        |           |                  | Rp 2.244.897,96  |
| C                         | Peralatan                                              |      |        |           |                  |                  |
| Jumlah Harga Alat         |                                                        |      |        |           |                  |                  |
| D                         | Jumlah Harga Tenaga Kerja, Bahan dan Peralatan (A+B+C) |      |        |           |                  | Rp 2.322.897,96  |
| E                         | Biaya Umum dan Keuntungan (10% - 15%) x D              |      |        |           | 15% x D          | Rp 348.434,69    |
| F                         | Harga Satuan Pekerjaan (D+E)                           |      |        |           |                  | Rp 2.671.332,65  |

|                                  |                                                                        |             |               |                  |                        |                        |                     |
|----------------------------------|------------------------------------------------------------------------|-------------|---------------|------------------|------------------------|------------------------|---------------------|
| <b>3.13.5.a</b>                  | <b>Pembuatan dan Pemasangan 1 m' Pagar Besi Stainles Tinggi 0.85 m</b> |             |               |                  |                        |                        |                     |
|                                  | <b>Uraian</b>                                                          | <b>Kode</b> | <b>Satuan</b> | <b>Koefisien</b> | <b>HargaSatuan(Rp)</b> | <b>JumlahHarga(Rp)</b> |                     |
| A                                | Tenaga Kerja                                                           |             |               |                  |                        |                        |                     |
|                                  | Pekerja                                                                | L.01        | OH            | 0,100            | Rp 130.000,00          | Rp                     | 13.000,00           |
|                                  | Tukang Besi                                                            | L.02        | OH            | 0,200            | Rp 250.000,00          | Rp                     | 50.000,00           |
|                                  | Kepala Tukang                                                          | L.03        | OH            | 0,020            | Rp 175.000,00          | Rp                     | 3.500,00            |
|                                  | Mandor                                                                 | L.04        | OH            | 0,007            | Rp 300.000,00          | Rp                     | 2.010,00            |
| <b>Jumlah Harga Tenaga Kerja</b> |                                                                        |             |               |                  |                        | <b>Rp</b>              | <b>68.510,00</b>    |
| B                                | Bahan                                                                  |             |               |                  |                        |                        |                     |
|                                  | Pipa Hollow Stainless Steel 20x40 mm                                   |             | m'            | 8,000            | Rp 69.300,00           | Rp                     | 554.400,00          |
|                                  | Pipa Hollow Stainless Steel 40x40 mm.                                  |             | m'            | 2,500            | Rp 96.766,67           | Rp                     | 241.916,67          |
|                                  | Pipa Stainless Steel Ø 2" (Tol. 0,6 mm)                                |             | m'            | 1,615            | Rp 74.200,00           | Rp                     | 119.833,00          |
|                                  | Pipa Stainless Steel Ø 2" (Tol. 0,6 mm) - Panjang 6 m                  |             | kg            | 1,200            | Rp 74.200,00           | Rp                     | 89.040,00           |
|                                  | Kawat Las Listrik                                                      |             | kg            | 0,050            | Rp 82.680,00           | Rp                     | 4.134,00            |
| <b>Jumlah Harga Bahan</b>        |                                                                        |             |               |                  |                        | <b>Rp</b>              | <b>1.009.323,67</b> |
| C                                | Peralatan                                                              |             |               |                  |                        |                        |                     |
| <b>Jumlah Harga Alat</b>         |                                                                        |             |               |                  |                        |                        |                     |
| D                                | Jumlah Harga Tenaga Kerja, Bahan dan Peralatan (A+B+C)                 |             |               |                  |                        | <b>Rp</b>              | <b>1.077.833,67</b> |
| E                                | Biaya Umum dan Keuntungan (10% - 15%) x D                              |             |               |                  | 15% x D                | <b>Rp</b>              | <b>161.675,05</b>   |
| F                                | Harga Satuan Pekerjaan (D+E)                                           |             |               |                  |                        | <b>Rp</b>              | <b>1.239.500,00</b> |

|                                  |                                                        |             |               |                  |                        |                        |                     |
|----------------------------------|--------------------------------------------------------|-------------|---------------|------------------|------------------------|------------------------|---------------------|
| <b>Ls</b>                        | <b>Pengadaan dan pemasangan 1 unit kursi taman</b>     |             |               |                  |                        |                        |                     |
|                                  | <b>Uraian</b>                                          | <b>Kode</b> | <b>Satuan</b> | <b>Koefisien</b> | <b>HargaSatuan(Rp)</b> | <b>JumlahHarga(Rp)</b> |                     |
| A                                | Tenaga Kerja                                           |             |               |                  |                        |                        |                     |
|                                  | Upah pasang                                            | L.01        | OH            | 0,600            | Rp 130.000,00          | Rp                     | 78.000,00           |
| <b>Jumlah Harga Tenaga Kerja</b> |                                                        |             |               |                  |                        | <b>Rp</b>              | <b>78.000,00</b>    |
| B                                | Bahan                                                  |             |               |                  |                        |                        |                     |
|                                  | Kursi taman besi tuang + kayu                          |             | bh            | 1,000            | Rp 2.250.000,00        | Rp                     | 2.250.000,00        |
| <b>Jumlah Harga Bahan</b>        |                                                        |             |               |                  |                        | <b>Rp</b>              | <b>2.250.000,00</b> |
| C                                | Peralatan                                              |             |               |                  |                        |                        |                     |
| <b>Jumlah Harga Alat</b>         |                                                        |             |               |                  |                        |                        |                     |
| D                                | Jumlah Harga Tenaga Kerja, Bahan dan Peralatan (A+B+C) |             |               |                  |                        | <b>Rp</b>              | <b>2.328.000,00</b> |
| E                                | Biaya Umum dan Keuntungan (10% - 15%) x D              |             |               |                  | 15% x D                | <b>Rp</b>              | <b>349.200,00</b>   |
| F                                | Harga Satuan Pekerjaan (D+E)                           |             |               |                  |                        | <b>Rp</b>              | <b>2.677.200,00</b> |

|                                  |                                                        |             |               |                  |                        |                        |                     |
|----------------------------------|--------------------------------------------------------|-------------|---------------|------------------|------------------------|------------------------|---------------------|
| <b>Ls</b>                        | <b>1 keg Pembersihan akhir pekerjaan</b>               |             |               |                  |                        |                        |                     |
| <b>No</b>                        | <b>Uraian</b>                                          | <b>Kode</b> | <b>Satuan</b> | <b>Koefisien</b> | <b>HargaSatuan(Rp)</b> | <b>JumlahHarga(Rp)</b> |                     |
| A                                | Tenaga Kerja                                           |             |               |                  |                        |                        |                     |
|                                  | Pekerja                                                | L.01        | OH            | 8,000            | Rp 130.000,00          | Rp                     | 1.040.000,00        |
| <b>Jumlah Harga Tenaga Kerja</b> |                                                        |             |               |                  |                        | <b>Rp</b>              | <b>1.040.000,00</b> |
| B                                | Bahan                                                  |             |               |                  |                        |                        |                     |
| <b>Jumlah Harga Bahan</b>        |                                                        |             |               |                  |                        |                        |                     |
| C                                | Peralatan                                              |             |               |                  |                        |                        |                     |
|                                  | DUMP TRUCK 3 - 4 M3                                    |             | Jam           | 1,75             | Rp 410.000,00          | Rp                     | 717.500,00          |
| <b>Jumlah Harga Alat</b>         |                                                        |             |               |                  |                        | <b>Rp</b>              | <b>717.500,00</b>   |
| D                                | Jumlah Harga Tenaga Kerja, Bahan dan Peralatan (A+B+C) |             |               |                  |                        | <b>Rp</b>              | <b>1.757.500,00</b> |
| E                                | Biaya Umum dan Keuntungan (10% - 15%) x D              |             |               |                  | 15% x D                | <b>Rp</b>              | <b>263.625,00</b>   |
| F                                | Harga Satuan Pekerjaan (D+E)                           |             |               |                  |                        | <b>Rp</b>              | <b>2.000.000,00</b> |

[illegible]

ITEM PEMBAYARAN : AGREGAT KELAS A (kondisi lepas)  
 JENIS PEKERJAAN : PENGADAAN AGREGAT KELAS A  
 SATUAN PEMBAYARAN : M3

URAIAN ANALISA HARGA SATUAN

| No.                                          | URAIAN                                                                                              | KODE  | KOEFISIEN | SATUAN | KETERANGAN              |
|----------------------------------------------|-----------------------------------------------------------------------------------------------------|-------|-----------|--------|-------------------------|
| <b>I. ASUMSI</b>                             |                                                                                                     |       |           |        |                         |
| 1                                            | Menggunakan alat berat (cara mekanik)                                                               |       |           |        |                         |
| 2                                            | Lokasi pekerjaan : sepanjang jalan                                                                  |       |           |        |                         |
| 3                                            | Kondisi existing jalan : sedang                                                                     |       |           |        |                         |
| 4                                            | Jarak rata-rata Base Camp ke lokasi pekerjaan                                                       | L     | 1,83      | KM     |                         |
| 5                                            | Tebal lapis agregat padat                                                                           | t     | 0,2       | M      | Spesifikasi 5.1.3.2.d)  |
| 6                                            | Berat isi padat                                                                                     | Bip   | 1,78      | ton/m3 |                         |
| 7                                            | Jam kerja efektif per-hari                                                                          | Tk    | 7         | jam    |                         |
| 8                                            | Proporsi Campuran : - Agregat Pecah Kasar                                                           | APK   | 55 %      |        | memenuhi Spec.          |
|                                              | - Agregat Halus Lapis pondasi                                                                       | PU    | 45 %      |        |                         |
| 9                                            | Berat Isi Agregat (lepas)                                                                           | Bil   | 1,45      | ton/m3 |                         |
| 10                                           | Faktor kehilangan - Agregat Pecah Kasar                                                             | Fh1   | 1,05      |        |                         |
|                                              | - Agregat Halus Lapis pondasi                                                                       | Fh2   | 1,05      |        |                         |
| <b>II. URUTAN KERJA</b>                      |                                                                                                     |       |           |        |                         |
| 1                                            | Wheel Loader memuat material bahan campuran dari stockpile ke alat blending                         |       |           |        |                         |
| 2                                            | Blending equipment melakukan pencampuran (blending) proses pembuatan agregat kelas A                |       |           |        |                         |
| <b>III. PEMAKAIAN BAHAN, ALAT DAN TENAGA</b> |                                                                                                     |       |           |        |                         |
| <b>1. BAHAN</b>                              |                                                                                                     |       |           |        |                         |
|                                              | Fraksi Pecah Mesin = $APK \times 1 \text{ M3} \times \text{Bip/Bil} \times \text{Fh1}$              |       | 0,71      | M3     | formula sdh disesuaikan |
|                                              | - Agregat Pecah Halus {Abu Batu} = $PU \times 1 \text{ M3} \times \text{Bip/Bil} \times \text{Fh2}$ |       | 0,58      | M3     |                         |
| <b>2. ALAT</b>                               |                                                                                                     |       |           |        |                         |
| <b>2.a. WHEEL LOADER (E15)</b>               |                                                                                                     |       |           |        |                         |
|                                              | Kapasitas bucket                                                                                    | V     | 1,5       | M3     | (lepas)                 |
|                                              | Faktor bucket                                                                                       | Fb    | 0,85      | -      | kondisi sedang          |
|                                              | Faktor Efisiensi alat                                                                               | Fa    | 0,83      | -      |                         |
|                                              | Waktu Siklus :                                                                                      |       |           |        |                         |
|                                              | - Waktu pemuatan alat blending                                                                      | T1    | 2         | menit  | jarak 50 meter          |
|                                              |                                                                                                     | Ts1   | 2         | menit  |                         |
|                                              | Kap. Prod. / jam = $V \times Fb \times Fa \times 60 / Ts1$                                          | Q1    | 31,7475   | M3     | padat                   |
|                                              | Koefisien Alat / M3 = $1 : Q1$                                                                      | (E15) | 0,031     | jam    |                         |
| <b>2.b. BLENDING EQUIPMENT (E52)</b>         |                                                                                                     |       |           |        |                         |
|                                              | Kapasitas                                                                                           | V     | 40        | M3/jam |                         |
|                                              | Faktor efisiensi alat                                                                               | Fa    | 0,83      |        |                         |
|                                              | Kap. Prod. / jam = $V \times Fa$                                                                    | Q2    | 33,2      | M3     |                         |
|                                              | Koefisien Alat / M3 = $1 : Q2$                                                                      |       | 0,03      | jam    |                         |
| <b>3. TENAGA</b>                             |                                                                                                     |       |           |        |                         |
|                                              | Produksi menentukan : WHEEL LOADER                                                                  | Q1    | 31,7      | M3/Jam |                         |
|                                              | Produksi Agregat / hari = $Tk \times Q1$                                                            | Qt    | 222,2     | M3     |                         |
|                                              | Kebutuhan tenaga :                                                                                  |       |           |        |                         |
|                                              | - Pekerja                                                                                           | P     | 2         | orang  |                         |
|                                              | - Mandor                                                                                            | M     | 1         | orang  |                         |
|                                              | Koefisien tenaga / M3 :                                                                             |       |           |        |                         |
|                                              | - Pekerja = $(Tk \times P) : Qt$                                                                    | (L01) | 0,06      | Jam    |                         |
|                                              | - Mandor = $(Tk \times M) : Qt$                                                                     | (L03) | 0,03      | Jam    |                         |

## DAFTAR HARGA SATUAN UPAH

| NO       | URAIAN / JENIS BAHAN                   | SATUAN     | HARGA SATUAN  |
|----------|----------------------------------------|------------|---------------|
| <b>A</b> | <b>PEKERJAAN TANAH DAN BATU/BETON</b>  |            |               |
| 1        | Mandor Tukang Batu                     | Orang/Hari | Rp 300.000,00 |
| 2        | Tukang Gali Tanah                      | Orang/Hari | Rp 120.000,00 |
| 3        | Kepala Tukang Batu                     | Orang/Hari | Rp 250.000,00 |
| 4        | Tukang Batu                            | Orang/Hari | Rp 175.000,00 |
| <b>B</b> | <b>PEKERJAAN BESI</b>                  |            |               |
| 1        | Mandor Tukang Besi                     | Orang/Hari | Rp 300.000,00 |
| 2        | Kepala Tukang Besi                     | Orang/Hari | Rp 250.000,00 |
| 3        | Tukang Besi                            | Orang/Hari | Rp 175.000,00 |
| <b>C</b> | <b>PEKERJAAN KAYU</b>                  |            |               |
| 1        | Mandor Tukang Kayu                     | Orang/Hari | Rp 300.000,00 |
| 2        | Kepala Tukang Kayu                     | Orang/Hari | Rp 250.000,00 |
| 3        | Tukang Kayu                            | Orang/Hari | Rp 175.000,00 |
| <b>D</b> | <b>PEKERJAAN CAT</b>                   |            |               |
| 1        | Mandor Tukang Cat                      | Orang/Hari | Rp 300.000,00 |
| 2        | Kepala Tukang Cat                      | Orang/Hari | Rp 250.000,00 |
| 3        | Tukang Cat                             | Orang/Hari | Rp 175.000,00 |
| <b>E</b> | <b>PEKERJA/BURUH</b>                   |            |               |
| 1        | Laden Tukang                           | Orang/Hari | Rp 130.000,00 |
| 2        | Tukang Pancang                         | Orang/Hari | Rp 170.000,00 |
| <b>F</b> | <b>MEKANIK DAN OPERATOR ALAT BERAT</b> |            |               |
| 1        | Mekanik                                | Orang/Hari | Rp 320.000,00 |
| 2        | Operator Terlatih                      | Orang/Hari | Rp 250.000,00 |
| 3        | Pembantu Operator                      | Orang/Hari | Rp 170.000,00 |

## DAFTAR HARGA SATUAN BAHAN

| No. | KELOMPOK / NAMA BAHAN / MATERIAL                                 | SATUAN | MERK / TIPE / MODEL | HARGA SATUAN     |
|-----|------------------------------------------------------------------|--------|---------------------|------------------|
| 1   | Bata Merah Lokal (9,0x20x3,5 cm)                                 | Buah   |                     | Rp 1.200,00      |
| 2   | Batu Pecah 1-2 cm. (spilit)                                      | m3     |                     | Rp 620.000,00    |
| 3   | Batu Pecah 5-7                                                   |        |                     | Rp 580.000,00    |
| 4   | Batu belah                                                       | m3     |                     | Rp 650.000,00    |
| 5   | Pasir Beton                                                      | m3     |                     | Rp 280.000,00    |
| 6   | Pasir Pasang                                                     | m3     |                     | Rp 310.000,00    |
| 7   | Pasir Urug                                                       | m3     |                     | Rp 220.000,00    |
| 8   | Semen Warna                                                      | Kg     |                     | Rp 18.700,00     |
| 9   | Tanah Urug Biasa/Granit                                          | M3     |                     | Rp 220.000,00    |
| 10  | Semen Portland (Semen PC)                                        | Kg     | Conch/40 kg         | Rp 1.400,00      |
| 11  | Batako                                                           | Buah   |                     | Rp 3.000,00      |
| 12  | Air                                                              | Liter  |                     | Rp 250,00        |
| 13  | Abu Batu                                                         | M3     |                     | Rp 425.000,00    |
| 14  | Adukan Beton Ready Mix K. 100 ( Tanpa Pompa+ Slang)              | m3     |                     | Rp 1.400.000,00  |
| 15  | Adukan Beton Ready Mix K. 200 ( Tanpa Pompa+ Slang)              | m3     |                     | Rp 1.600.000,00  |
| 16  | Adukan Beton Ready Mix K. 225 ( Tanpa Pompa+ Slang)              | m3     |                     | Rp 1.700.000,00  |
| 17  | Adukan Beton Ready Mix K. 250 ( Tanpa Pompa+ Slang)              | m3     |                     | Rp 1.800.000,00  |
| 18  | Adukan Beton Ready Mix K. 300 ( Tanpa Pompa+ Slang)              |        |                     | Rp 2.000.000,00  |
| 19  | Bata Rooster ( Karawang)                                         | Buah   |                     | Rp 18.000,00     |
| 20  | Bata Ringan (Hebel) 10x20x60 cm.                                 | Buah   |                     | Rp 14.000,00     |
| 21  | Bata Ringan (Hebel) 7,5x20x60 cm.                                | Buah   |                     | Rp 13.000,00     |
| 22  | Paving Stone tebal 8 cm                                          | Buah   |                     | Rp 3.200,00      |
| 23  | Gresblok tebal 8 cm                                              | Buah   |                     | Rp 29.480,00     |
| 24  | Mortar Perekat Bata Ringan                                       | Zak    |                     | Rp 90.000,00     |
| 25  | Batu Alam andesit bakar                                          | M2     |                     | Rp 320.000,00    |
| 26  | Batu koral sikat (terpasang)                                     | m2     |                     | Rp 367.500,00    |
| 27  | Balok Kayu Klas I (Ulin) 5/10 - P.4 m                            | M3     |                     | Rp 8.500.000,00  |
| 28  | Balok Kayu Klas I (Ulin) 5/7 - P.4 m                             | M3     |                     | Rp 8.500.000,00  |
| 29  | Balok Kayu Klas I (Ulin) 10/10 - P.4 m                           | M3     |                     | Rp 8.500.000,00  |
| 30  | Balok Kayu Klas II (Banuas)                                      | M3     |                     | Rp 6.000.000,00  |
| 31  | Balok Kayu Klas II (Lanan)                                       | M3     |                     | Rp 4.500.000,00  |
| 32  | Balok Kayu Klas III (Hutan/Campuran)                             | M3     |                     | Rp 2.363.000,00  |
| 33  | Kayu Bekisting (Albasiah/Stoot)                                  | M3     |                     | Rp 2.000.000,00  |
| 34  | Kayu Dolken/Galam Ø 10-12 cm, P.4 m                              | Batang |                     | Rp 31.500,00     |
| 35  | Kayu Bulat (Utk Perancah) P.4 m                                  | Batang |                     | Rp 16.000,00     |
| 36  | Papan Kayu Klas I (Ulin)                                         | M3     |                     | Rp 14.000.000,00 |
| 37  | Papan Kayu Klas II (Banuas)                                      | M3     |                     | Rp 7.000.000,00  |
| 38  | Papan Kayu Klas III (Kayu Hutan/Campuran)                        | M3     |                     | Rp 1.890.000,00  |
| 39  | Papan Kayu Klas II Meranti 2/20-Pjg.4 m                          | M3     |                     | Rp 4.500.000,00  |
| 40  | Kanstin uk 15x40x60 beton f'c 25 Mpa                             | Bh     |                     | Rp 200.000,00    |
| 41  | Rangka Atap Baja Ringan (zincalume) C 75x35x0,75                 | Btg    |                     | Rp 120.000,00    |
| 42  | Rangka Reng Baja Ringan                                          | Btg    |                     | Rp 65.000,00     |
| 43  | Baut (Srew driver)                                               | Bh     |                     | Rp 500,00        |
| 44  | Dynabolt                                                         | Bh     |                     | Rp 1.000,00      |
| 45  | Rangka Plafond Baja Ringan ( Zincalume ) Hollow 20 x 40 x 0,3 mm | Btg    |                     | Rp 22.000,00     |
| 46  | Rangka Plafond Baja Ringan ( Zincalume ) Hollow 40 x 40 x 0,3 mm | Btg    |                     | Rp 35.000,00     |
| 47  | Atap Spandek / Atap Menerus                                      | M2     |                     | Rp 75.000,00     |
| 48  | Atap Genteng Sakura                                              | Lembar |                     | Rp 60.000,00     |
| 49  | Bubungan Nok Metal                                               | Lembar |                     | Rp 35.000,00     |
| 50  | Seng Plat Talang Jurai                                           | M'     |                     | Rp 47.000,00     |
| 51  | Besi Beton Polos ( SNI )                                         | Kg     |                     | Rp 14.000,00     |
| 52  | Kawat Beton/Bendrat                                              | Kg     |                     | Rp 30.000,00     |
| 53  | Besi Hollow Galvanis 2x4x0,8 mm                                  | Btg    |                     | Rp 75.000,00     |
| 54  | Besi Hollow Galvanis 4x4x0,8 mm                                  | Btg    |                     | Rp 92.000,00     |
| 55  | Besi Hollow Galvanis 4x6x0,8 mm                                  | Btg    |                     | Rp 150.000,00    |

| No. | KELOMPOK / NAMA BAHAN / MATERIAL            | SATUAN | MERK / TIPE / MODEL | HARGA SATUAN    |
|-----|---------------------------------------------|--------|---------------------|-----------------|
| 56  | Plafond kaisiboard tbl. 3,5 mm (120x240 cm) | Lembar |                     | Rp 53.000,00    |
| 57  | Gypsum Board (120x240x9)                    | Lembar |                     | Rp 78.000,00    |
| 58  | List Profil Gypsum Uk. Sedang ( 10 cm)      | M'     |                     | Rp 42.000,00    |
| 59  | Dempul Gypsum @ 20 Kg                       | Zak    |                     | Rp 89.200,00    |
| 60  | Dempul Gypsum                               | Kg     |                     | Rp 4.460,00     |
| 61  | Paku Kayu 2, 3, 4 , 5 inch                  | Kg     |                     | Rp 25.000,00    |
| 62  | Paku Kayu 1,5"                              | Kg     |                     | Rp 25.000,00    |
| 63  | Paku Ulin                                   | Kg     |                     | Rp 35.000,00    |
| 64  | Paku Payung/paku Seng                       | Kg     |                     | Rp 50.000,00    |
| 65  | Baut/Mur                                    | Kg     |                     | Rp 36.700,00    |
| 66  | Kawat Las Rb26                              | Doz    |                     | Rp 247.567,57   |
| 67  | Lisplang GRC 8mm                            | Lembar |                     | Rp 55.000,00    |
| 68  | Skrup atap                                  | Kg     |                     | Rp 50.000,00    |
| 69  | Sealent                                     | Tube   |                     | Rp 90.000,00    |
| 70  | Aluminium Composite Panel (ACP)             | Lembar |                     | Rp 900.000,00   |
| 71  | Plafond PVC                                 | Lembar |                     | Rp 53.000,00    |
| 72  | List Plafond PVC                            | Lembar |                     | Rp 25.000,00    |
| 73  | Keramik 25/25 Corak / Warna Km/ WC          | Dos    |                     | Rp 70.000,00    |
| 74  | Keramik 25/40 Corak / Warna                 | Dos    |                     | Rp 84.000,00    |
| 75  | Keramik Granit 60/60 (Kasar)                | Duz    |                     | Rp 240.000,00   |
| 76  | Keramik Granit 60/60 (Polished)             | Duz    |                     | Rp 190.000,00   |
| 77  | Keramik 40/40 (Kasar)                       | Dos    |                     | Rp 85.000,00    |
| 78  | Keramik 40/40 (Polished)                    | Dos    |                     | Rp 100.000,00   |
| 79  | Plint Keramik 40/40                         | Bh     |                     | Rp 4.166,67     |
| 80  | Plint Keramik Granit 60/60                  | Bh     |                     | Rp 10.555,56    |
| 81  | Kaca Polos                                  | m2     |                     | Rp 115.500,00   |
| 82  | Kaca Tempered 5mm                           | m2     |                     | Rp 241.500,00   |
| 83  | Kaca Tempered 8mm                           | m2     |                     | Rp 420.000,00   |
| 84  | Kaca Tempered 10mm                          | m2     |                     | Rp 451.500,00   |
| 85  | Rumput Manila                               | Unit   |                     | Rp 100.000,00   |
| 86  | Tanah Subur                                 | M3     |                     | Rp 315.000,00   |
|     | Pupuk organik                               | kg     |                     | Rp 15.000,00    |
| 87  | Glass Blok 20x20                            | Buah   |                     | Rp 29.400,00    |
| 88  | Closet Duduk Putih Lengkap                  | Set    |                     | Rp 3.000.000,00 |
| 89  | Closet Jongkok Putih Lengkap                | Buah   |                     | Rp 750.000,00   |
| 90  | Closet Jongkok Putih Lengkap                | Buah   |                     | Rp 750.000,00   |
| 91  | drain floor Stainlees                       | Buah   |                     | Rp 125.000,00   |
| 92  | kran air biasa 3/4                          | Buah   |                     | Rp 125.000,00   |
| 93  | kran air Stainless                          | Buah   |                     | Rp 250.000,00   |
| 94  | seal tape                                   | Buah   |                     | Rp 15.000,00    |
| 95  | Tangki Air / reservoir 2200 Liter           | Buah   |                     | Rp 3.100.000,00 |
| 96  | Tangki Air / reservoir 650L                 | Buah   |                     | Rp 1.100.000,00 |
| 97  | Wastafel Tanpa Cermin                       | Buah   |                     | Rp 850.000,00   |
| 98  | Profil tank 1200 L dan instalasi nya        | Buah   |                     | Rp 1.675.000,00 |
| 99  | cat besi                                    | Kg     |                     | Rp 68.200,00    |
| 100 | cat kayu                                    | Kg     |                     | Rp 65.500,00    |
| 101 | cat kayu dasar                              | Kg     |                     | Rp 57.700,00    |
| 102 | Cat Dinding Dasar                           | Kg     |                     | Rp 125.000,00   |
| 103 | cat tembok Exterior                         | Peil   |                     | Rp 2.200.000,00 |
| 104 | Cat Tembok Interior                         | Kg     |                     | Rp 250.000,00   |
| 105 | Cat Plafond                                 | Kg     |                     | Rp 125.000,00   |
| 106 | Lem Kuning                                  | Gram   |                     | Rp 62.500,00    |
| 107 | Lem Putih                                   | Kg     |                     | Rp 62.500,00    |
| 108 | List Profil GRC 55 cm                       | m      |                     | Rp 550.000,00   |
| 109 | Melamik                                     | kg     | Nippon              | Rp 73.000,00    |
| 110 | Kabel NYM 2 X 2,5 mm                        | m      | Eterna              | Rp 16.500,00    |
| 111 | Pipa listrik Polos C 5/8 Putih 4 meter      | m      |                     | Rp 4.840,00     |
| 112 | T. Dus, Corn Dus                            | bh     |                     | Rp 7.800,00     |
| 113 | Isolasi                                     | bh     |                     | Rp 10.000,00    |
| 114 | Downlight 4"                                | bh     | HSDL4               | Rp 64.100,00    |
| 115 | Lampu SL 18 Watt                            | bh     | Phillips            | Rp 86.100,00    |
| 116 | Lampu LED Selang Rope Light Strips          | m      |                     | Rp 27.000,00    |
| 117 | Saklar Tunggal                              | bh     | Broco               | Rp 21.000,00    |
| 118 | Saklar Double                               | bh     | Broco               | Rp 21.000,00    |

| No.            | KELOMPOK / NAMA BAHAN / MATERIAL                    | SATUAN | MERK / TIPE / MODEL | HARGA SATUAN    |
|----------------|-----------------------------------------------------|--------|---------------------|-----------------|
| 119            | Stop Kontak Biasa                                   |        | Masko               | Rp 31.500,00    |
| 120            | Plafond PVC lebar 20 cm tebal 8 mm                  | Lbr    |                     | Rp 12.000,00    |
| 121            | Paku, sekrup, Penggantung dll                       | kg     |                     | Rp 90.000,00    |
| 122            | List Plafond PVC 4 m                                | bh     |                     | Rp 45.000,00    |
| 123            | Acp Seven 4Mm Pvd Metalick - 1.22 X 2.44            | m2     | Seven               | Rp 873.000,00   |
| 124            | Besi Hollow Galvanis 4x4x1 mm                       | Btg    |                     | Rp 108.000,00   |
| 125            | Braket Siku / spigot / stiffene                     | Btg    |                     | Rp 60.000,00    |
| 126            | Paku Skrup Beto                                     | kg     |                     | Rp 21.600,00    |
| 127            | Paku Skrup                                          | kg     |                     | Rp 21.600,00    |
| 128            | Neon Box uk. 70 cm x 70 cm                          | m2     |                     | Rp 1.100.000,00 |
| 129            | Pipa Hollow Stainless Steel 20x40 mm                | Btg    |                     | Rp 415.800,00   |
| 130            | Pipa Hollow Stainless Steel 40x40 mm.               | Btg    | Mp                  | Rp 580.600,00   |
| 131            | Pipa Stainless Steel Ø 2" (Tbl. 0,8 mm-Panjang 6 m) | Btg    | MP                  | Rp 445.200,00   |
| 132            | Kawat Las Listirk                                   | Kotak  |                     | Rp 413.400,00   |
| 133            | Kursi taman besi tuang + kayu                       | unit   |                     | Rp 2.250.000,00 |
| 134            | Baner uk. 60 x 80 cm                                | Lbr    |                     | Rp 20.000,00    |
| 135            |                                                     |        |                     |                 |
| 136            | Meni Kayu                                           | Kg     |                     | Rp 35.000,00    |
| 137            | Minyak Cat / Thinner                                | Kaleng |                     | Rp 115.000,00   |
| 138            | Minyak Bensin                                       | Ltr    |                     | Rp 12.400,00    |
| 139            | Minyak Solar                                        | Ltr    |                     | Rp 13.350,00    |
| 140            | Oli mesin solar                                     | Ltr    |                     | Rp 50.000,00    |
| 141            | Plamur Kayu                                         | Kg     |                     | Rp 68.200,00    |
| 142            | Waterproof                                          | Kg     | No drof             | Rp 262.500,00   |
| 143            | Roll cat                                            | Buah   |                     | Rp 32.000,00    |
| 144            | Kuas 4inch                                          | Buah   |                     | Rp 23.000,00    |
| 145            | Sealant                                             | tube   |                     | Rp 85.400,00    |
| 146            | Minyak Bekisting                                    | Liter  |                     | Rp 7.000,00     |
| 147            | Pipa PVC AW Ø 3/4" - P.4 m                          | Batang |                     | Rp 44.100,00    |
| 148            | Pipa PVC AW Ø 1/2" - P.4 m                          | Batang |                     | Rp 36.700,00    |
| 149            | Pipa PVC AW Ø 2" - P. 4 m                           | Batang |                     | Rp 152.200,00   |
| 150            | Pipa PVC AW Ø 2-1/2" - P. 4 m                       | Batang |                     | Rp 220.500,00   |
| 151            | pipa PVC AW Ø 3" - P.4m                             | Batang |                     | Rp 284.500,00   |
| 152            | Flexible hose                                       | Unit   |                     | Rp 50.000,00    |
| 153            | Bak Fiber 40 L                                      | Bh     |                     | Rp 150.000,00   |
| 154            | Abu batu                                            | Kg     | M.001 (BP-2024)     | Rp 367.500,00   |
| 155            | A s p a l.                                          | Kg     |                     | Rp 16.200,00    |
| 156            | Agregat Pecah Kasar                                 | M3     |                     | Rp 325.000,00   |
| 157            | Aspal Emulsi CRS-1 atau RS-1                        | (M31b) |                     | Rp 12.300,00    |
| 157            | Sirtu ( $4 \leq PI \leq 10$ ; $LL \leq 35\%$ )      | M3     |                     | Rp 300.000,00   |
| 158            | Agr. Kelas A (analisis)                             | M3     |                     | Rp 522.298,59   |
| 159            | Agr. Kelas B (analisis)                             | M3     |                     |                 |
| 160            | WHEEL LOADER 1.0-1.6 M3                             | Jam    | E15                 | Rp 390.000,00   |
| 161            | WATER TANKER 3000-4500 L.                           | Jam    | E23                 | Rp 300.000,00   |
| 162            | DUMP TRUCK 6-8 M3                                   | Jam    | E09                 | Rp 410.000,00   |
| 163            | MOTOR GRADER >100 HP                                | Jam    | E13                 | Rp 480.000,00   |
| 164            | EXCAVATOR 80-140 HP                                 | Jam    | E10                 | Rp 500.000,00   |
| 165            | DUMP TRUCK 3 - 4 M3                                 | Jam    | E08                 | Rp 250.000,00   |
| 166            | TANDEM ROLLER 6-8 T.                                | Jam    | E17                 | Rp 250.000,00   |
| 167            | BABY VIBRATORY ROLLER 1-2 T.                        | Jam    | E19a                | Rp 100.000,00   |
| 168            | BLENDING EQUIPMENT                                  | Jam    | E52                 | Rp 350.000,00   |
| 169            | COMPRESSOR 4000-6500 L/M                            | Jam    |                     | Rp 250.761,00   |
| 170            | ASPHALT SPRAYER                                     | Jam    |                     | Rp 112.858,00   |
| 171            | ASPHALT DISTRIBUTOR                                 | Jam    |                     | Rp 436.203,83   |
| <b>TANAMAN</b> |                                                     |        |                     |                 |
| 1              | Tanam tanaman pucuk merah T.120 cm                  | phn    |                     | Rp 180.000,00   |
| 3              | Tanam tanaman bunga rombusa mini                    | bh     |                     | Rp 30.000,00    |
| 6              | Tanam tanaman bunga asoka                           | rpn    |                     | Rp 30.000,00    |
| 7              | Tanam tanaman bunga burung cendrawasih              | bh     |                     | Rp 26.000,00    |
| 8              | Tanam tanaman bunga sensivera                       | rpn    |                     | Rp 26.000,00    |
| 9              | Tanam tanaman bunga aster                           | rpn    |                     | Rp 27.000,00    |



PEMERINTAH KOTA PALANGKA RAYA  
DINAS PENDIDIKAN

Alamat : Jl. G.Obos XI, Komplek Perkantoran Pemko Telp. (0536) 3221654,  
Email : [disdik\\_palangkaraya@yahoo.com](mailto:disdik_palangkaraya@yahoo.com)  
PALANGKA RAYA 73111

**HARGA PERKIRAAN SENDIRI**  
**(HPS)**

Program : Program Pengelolaan Pendidikan

Kegiatan : Pengelolaan Pendidikan Sekolah Menengah Pertama

Pekerjaan : Lanjutan Pembangunan Kelas Baru SMPN 1 Palangka Raya

Lokasi : Kota Palangka Raya

Departemen/Lembaga : Dinas Pendidikan Kota Palangka Raya

Sekolah : SMP Negeri 1 Palangka Raya

Nilai Kontrak : Rp. 6.635.046.900; (Enam Milyar Enam Ratus Tiga Puluh Lima  
Juta Empat Puluh Enam Ribu Sembilan Ratus Rupiah)

**TAHUN ANGGARAN 2024**

REKAPITULASI HARGA

Program : Pengelolaan Pendidikan  
Kegiatan : Pengelolaan Pendidikan Sekolah Menengah Pertama  
Pekerjaan : Lanjutan Pembangunan Kelas Baru SMPN 1 Palangka Raya  
Lokasi : Kota Palangka Raya  
Tahun Anggaran : 2024

| NO.                      | URAIAN PEKERJAAN                   | JUMLAH HARGA |                  |
|--------------------------|------------------------------------|--------------|------------------|
|                          |                                    | (Rp.)        |                  |
| 1                        | 2                                  | 3            |                  |
| I. PEMBANGUNAN LANTAI 1  |                                    |              |                  |
| A                        | PEKERJAAN PENDAHULUAN              | Rp           | 32.636.771,84    |
| B                        | PEKERJAAN BONGKARAN                | Rp           | 12.006.170,24    |
| C                        | PEKERJAAN TANAH                    | Rp           | 56.228.342,06    |
| D                        | PEKERJAAN PEMBETONAN               | Rp           | 592.973.181,82   |
| E                        | PEKERJAAN DINDING                  | Rp           | 97.142.414,39    |
| F                        | PEKERJAAN KUSEN, PINTU DAN TERALIS | Rp           | 69.195.498,37    |
| G                        | PEKERJAAN LANTAI                   | Rp           | 132.932.987,25   |
| H                        | PEKERJAAN PLAFOND                  | Rp           | 126.374.477,88   |
| I                        | PEKERJAAN PENGECATAN               | Rp           | 24.188.850,52    |
| J                        | PEKERJAAN INSTALASI LISTRIK        | Rp           | 32.810.000,00    |
| K                        | PEKERJAAN INSTALASI SANITASI       | Rp           | 26.349.751,05    |
| TOTAL LANTAI 1           |                                    | Rp           | 1.202.838.445,42 |
|                          |                                    |              |                  |
| II. PEMBANGUNAN LANTAI 2 |                                    |              |                  |
| A                        | PEKERJAAN PEMBETONAN               | Rp           | 800.439.045,90   |
| B                        | PEKERJAAN DINDING                  | Rp           | 235.426.822,39   |
| C                        | PEKERJAAN KUSEN, PINTU DAN TERALIS | Rp           | 149.964.003,54   |
| D                        | PEKERJAAN LANTAI                   | Rp           | 188.289.181,64   |
| E                        | PEKERJAAN PLAFOND                  | Rp           | 158.006.646,26   |
| F                        | PEKERJAAN PENGECATAN               | Rp           | 40.269.619,68    |
| G                        | PEKERJAAN INSTALASI LISTRIK        | Rp           | 23.630.000,00    |
| H                        | PEKERJAAN INSTALASI SANITASI       | Rp           | 8.928.003,45     |
| TOTAL LANTAI 2           |                                    | Rp           | 1.604.953.322,87 |

| III. PEMBANGUNAN LANTAI 3          |                                      |    |                  |
|------------------------------------|--------------------------------------|----|------------------|
| A                                  | PEKERJAAN PEMBETONAN                 | Rp | 384.260.167,71   |
| B                                  | PEKERJAAN DINDING                    | Rp | 211.835.948,72   |
| C                                  | PEKERJAAN KUSEN, PINTU DAN TERALIS   | Rp | 122.775.289,28   |
| D                                  | PEKERJAAN LANTAI                     | Rp | 184.411.860,54   |
| E                                  | PEKERJAAN ATAP                       | Rp | 354.771.671,79   |
| F                                  | PEKERJAAN PLAFOND                    | Rp | 177.444.454,27   |
| G                                  | PEKERJAAN PENGECATAN                 | Rp | 32.080.468,65    |
| H                                  | PEKERJAAN INSTALASI LISTRIK          | Rp | 20.350.000,00    |
| I                                  | PEKERJAAN INSTALASI SANITASI         | Rp | 86.626.987,35    |
| J                                  | PEKERJAAN ORNAMEN DAN HIASAN DINDING | Rp | 991.046.113,12   |
| K                                  | PENGADAAN PERABOT RUANG KELAS        | Rp | 603.625.000,00   |
| L                                  | PEKERJAAN FINISHING                  | Rp | 500.000,00       |
| TOTAL LANTAI 3                     |                                      | Rp | 3.169.727.961,43 |
|                                    |                                      |    |                  |
| TOTAL PEMBANGUNAN LANTAI 1 + 2 + 3 |                                      | Rp | 5.977.519.729,73 |
| PPN 11%                            |                                      | Rp | 657.527.170,27   |
| TOTAL + PPN 11%                    |                                      | Rp | 6.635.046.900,00 |
| DIBULATKAN                         |                                      | Rp | 6.635.046.900,00 |

TERBILANG :

|                                                                                         |
|-----------------------------------------------------------------------------------------|
| ENAM MILYAR ENAM RATUS TIGA PULUH LIMA JUTA EMPAT PULUH ENAM RIBU SEMBILAN RATUS RUPIAH |
|-----------------------------------------------------------------------------------------|

Palangka Raya, 05 Mei 2024

Dibuat Oleh :  
Pengguna Anggaran (PA)  
Dinas Pendidikan

  
JAYANI, S.Pd., M.Si  
NIP. 19700723-199703 1 006

HARGA PERKIRAAN SENDIRI (HPS)

Program : Pengelolaan Pendidikan  
Kegiatan : Pengelolaan Pendidikan Sekolah Menengah Pertama  
Pekerjaan : Lanjutan Pembangunan Kelas Baru SMPN 1 Palangka Raya  
Lokasi : Kota Palangka Raya  
Tahun Anggaran : 2024

| NO.                     | URAIAN PEKERJAAN                               | ANALISA   | VOLUME  | SATUAN | HARGA SATUAN<br>(Rp.) |    | JUMLAH HARGA<br>(Rp.) |
|-------------------------|------------------------------------------------|-----------|---------|--------|-----------------------|----|-----------------------|
| I. PEMBANGUNAN LANTAI 1 |                                                |           |         |        |                       |    |                       |
| A                       | PEKERJAAN PENDAHULUAN                          |           |         |        |                       |    |                       |
| 1                       | Pek. Pembersihan lokasi Awal dan Akhir         | Ls        | 1,00    | Paket  | Rp 10.000.000,00      | Rp | 10.000.000,00         |
| 2                       | Pek. Pembuatan Plank Informasi Proyek          | Ls        | 1,00    | Unit   | Rp 350.000,00         | Rp | 350.000,00            |
| 3                       | Pek. Pembuatan dan Pemasangan Bowplank         | 1.1.4.2   | 64,00   | M'     | Rp 60.730,81          | Rp | 3.886.771,84          |
| 4                       | Pek.Pembuatan Direksi Keet                     | Ls        | 12,00   | M2     | Rp 350.000,00         | Rp | 4.200.000,00          |
| 5                       | Pek.Pembuatan Gudang Alat dan Bahan            | Ls        | 12,00   | M2     | Rp 350.000,00         | Rp | 4.200.000,00          |
| 6                       | Penyelenggaraan SMK                            | Ls        | 1,00    | Paket  | Rp 10.000.000,00      | Rp | 10.000.000,00         |
| SUB TOTAL A             |                                                |           |         |        |                       | Rp | 32.636.771,84         |
| B                       | PEKERJAAN BONGKARAN                            |           |         |        |                       |    |                       |
| 1                       | Pek. Bongkaran Penutup Atap                    | A.16      | 136,05  | M2     | Rp 7.107,00           | Rp | 966.907,35            |
| 2                       | Pek. Bongkaran Rangka Atap                     | A.18      | 136,05  | M2     | Rp 27.841,50          | Rp | 3.787.836,08          |
| 3                       | Pek. Bongkaran Kuda-Kuda                       | Ls        | 1,00    | Paket  | Rp 5.000.000,00       | Rp | 5.000.000,00          |
| 4                       | Pek. Bongkaran Plafond                         | A.20      | 60,62   | M2     | Rp 14.214,00          | Rp | 861.688,22            |
| 5                       | Pek. Bongkaran Dinding                         | 1.6.7     | 8,90    | M3     | Rp 70.449,00          | Rp | 626.908,04            |
| 6                       | Pek. Bongkaran Beton Kolom, Sloof dan Ringbalk | 1.6.3     | 3,02    | M3     | Rp 252.592,90         | Rp | 762.830,56            |
| SUB TOTAL B             |                                                |           |         |        |                       | Rp | 12.006.170,24         |
| C                       | PEKERJAAN TANAH                                |           |         |        |                       |    |                       |
| 1                       | Pek. Galian Tanah Pondasi Foot Plat            | 1.2.1.1.4 | 116,55  | M3     | Rp 197.788,50         | Rp | 23.052.249,68         |
| 2                       | Pek. Pemasangan Galam Dengan Ø 10-12 cm        | E.13 a    | 504,00  | M'     | Rp 16.018,93          | Rp | 8.073.538,20          |
| 3                       | Pek. Urugan Kembali Bekas Galian               | 1.3.1.1   | 38,85   | M3     | Rp 109.882,50         | Rp | 4.268.935,13          |
| 4                       | Pek. Urugan Tanah Dibawah Lantai               | 1.3.1.4   | 19,85   | M3     | Rp 405.858,00         | Rp | 8.057.498,87          |
| 5                       | Pek. Urugan Pasir Dibawah P Foot Plat t = 5 cm | 1.3.1.2   | 3,15    | M3     | Rp 393.679,50         | Rp | 1.240.090,43          |
| 6                       | Pek. Urugan Pasir Dibawah Lantai               | 1.3.1.2   | 29,30   | M3     | Rp 393.679,50         | Rp | 11.536.029,76         |
| SUB TOTAL C             |                                                |           |         |        |                       | Rp | 56.228.342,06         |
| D                       | PEKERJAAN PEMBETONAN                           |           |         |        |                       |    |                       |
| 1                       | PONDASI FOOTPLATE 140x140 cm                   |           |         |        |                       |    |                       |
| a                       | Pek. Lantai Kerja Footplate 140x140 cm         | 2.2.1.4.2 | 6,30    | M3     | Rp 1.730.800,67       | Rp | 10.904.044,20         |
| b                       | Pek. Bekisting Footplate                       | 2.2.1.3.1 | 29,68   | M2     | Rp 306.817,70         | Rp | 9.106.349,34          |
| c                       | Pek. Pembetonan Footplate                      | 2.2.1.4.5 | 16,46   | M3     | Rp 1.850.298,81       | Rp | 30.463.319,60         |
| d                       | Pek. Pembesian Footplate                       | 2.2.1.1.4 | 3054,00 | Kg     | Rp 17.501,53          | Rp | 53.449.632,91         |
| 2                       | LEHER FOOTPLATE 35/45                          |           |         |        |                       |    |                       |
| a                       | Pek. Bekisting KOLOM                           | 2.2.1.3.4 | 39,44   | M2     | Rp 309.852,55         | Rp | 12.220.584,57         |
| b                       | Pek. Pembetonan KOLOM                          | 2.2.1.4.5 | 3,88    | M3     | Rp 1.850.298,81       | Rp | 7.183.553,84          |
| c                       | Pembesian KOLOM                                |           |         |        |                       |    |                       |
|                         | Besi Diameter 16 mm                            | 2.2.1.1.4 | 678,81  | Kg     | Rp 17.501,53          | Rp | 11.880.126,53         |
|                         | Besi Diameter 10 mm                            | 2.2.1.1.4 | 148,94  | Kg     | Rp 17.501,53          | Rp | 2.606.744,09          |
| 3                       | LEHER FOOTPLATE 25/25                          |           |         |        |                       |    |                       |
| a                       | Pek. Bekisting KOLOM                           | 2.2.1.3.4 | 10,15   | M2     | Rp 309.852,55         | Rp | 3.145.003,38          |
| b                       | Pek. Pembetonan KOLOM                          | 2.2.1.4.5 | 0,63    | M3     | Rp 1.850.298,81       | Rp | 1.173.783,31          |
| c                       | Pembesian KOLOM                                |           |         |        |                       |    |                       |
|                         | Besi Diameter 16 mm                            | 2.2.1.1.4 | 139,75  | Kg     | Rp 17.501,53          | Rp | 2.445.908,40          |
|                         | Besi Diameter 10 mm                            | 2.2.1.1.4 | 35,42   | Kg     | Rp 17.501,53          | Rp | 619.830,62            |
| 4                       | LEHER FOOTPLATE 35/40                          |           |         |        |                       |    |                       |
| a                       | Pek. Bekisting KOLOM                           | 2.2.1.3.4 | 8,70    | M2     | Rp 309.852,55         | Rp | 2.695.717,19          |
| b                       | Pek. Pembetonan KOLOM                          | 2.2.1.4.5 | 0,81    | M3     | Rp 1.850.298,81       | Rp | 1.502.442,63          |
| c                       | Pembesian KOLOM                                |           |         |        |                       |    |                       |
|                         | Besi Diameter 12 mm                            | 2.2.1.1.4 | 41,08   | Kg     | Rp 17.501,53          | Rp | 718.881,00            |
|                         | Besi Diameter 8 mm                             | 2.2.1.1.4 | 20,79   | Kg     | Rp 17.501,53          | Rp | 363.905,77            |
| 5                       | SLOOP 25/35                                    |           |         |        |                       |    |                       |
| a                       | Pek. Bekisting Sloop                           | 2.2.1.3.3 | 57,61   | M2     | Rp 306.817,70         | Rp | 17.675.767,70         |
| b                       | Pek. Pembetonan Sloop                          | 2.2.1.4.5 | 7,20    | M3     | Rp 1.850.298,81       | Rp | 13.324.464,30         |
| c                       | Pek. Pembesian Sloop                           |           |         |        |                       |    |                       |
|                         | Besi Diameter 12 mm                            | 2.2.1.1.4 | 438,49  | Kg     | Rp 17.501,53          | Rp | 7.674.322,02          |
|                         | Besi Diameter 10 mm                            | 2.2.1.1.4 | 101,56  | Kg     | Rp 17.501,53          | Rp | 1.777.423,68          |
|                         | Besi Diameter 6 mm                             | 2.2.1.1.4 | 136,42  | Kg     | Rp 17.501,53          | Rp | 2.387.566,85          |
| 6                       | SLOOP 25/30                                    |           |         |        |                       |    |                       |
| a                       | Pek. Bekisting Sloop                           | 2.2.1.3.3 | 15,84   | M2     | Rp 306.817,70         | Rp | 4.859.992,37          |
| b                       | Pek. Pembetonan Sloop                          | 2.2.1.4.5 | 1,98    | M3     | Rp 1.850.298,81       | Rp | 3.663.591,64          |
| c                       | Pek. Pembesian Sloop                           |           |         |        |                       |    |                       |
|                         | Besi Diameter 12 mm                            | 2.2.1.1.4 | 140,66  | Kg     | Rp 17.501,53          | Rp | 2.461.750,93          |
|                         | Besi Diameter 6 mm                             | 2.2.1.1.4 | 39,85   | Kg     | Rp 17.501,53          | Rp | 697.496,10            |
| 7                       | SLOOP 15/20                                    |           |         |        |                       |    |                       |
| a                       | Pek. Bekisting Sloop                           | 2.2.1.3.3 | 1,82    | M2     | Rp 306.817,70         | Rp | 558.408,21            |
| b                       | Pek. Pembetonan Sloop                          | 2.2.1.4.5 | 0,14    | M3     | Rp 1.850.298,81       | Rp | 252.565,79            |
| c                       | Pek. Pembesian Sloop                           |           |         |        |                       |    |                       |
|                         | Besi Diameter 10 mm                            | 2.2.1.1.4 | 11,23   | Kg     | Rp 17.501,53          | Rp | 196.531,66            |
|                         | Besi Diameter 6 mm                             | 2.2.1.1.4 | 4,18    | Kg     | Rp 17.501,53          | Rp | 73.070,28             |
| 8                       | Kolom 35/45                                    |           |         |        |                       |    |                       |
| a                       | Pek. Bekisting KOLOM                           | 2.2.1.3.4 | 50,32   | M2     | Rp 309.852,55         | Rp | 15.591.780,32         |
| b                       | Pek. Pembetonan KOLOM                          | 2.2.1.4.5 | 9,91    | M3     | Rp 1.850.298,81       | Rp | 18.330.447,73         |
| c                       | Pembesian KOLOM                                |           |         |        |                       |    |                       |
|                         | Besi Diameter 16 mm                            | 2.2.1.1.4 | 1038,70 | Kg     | Rp 17.501,53          | Rp | 18.178.884,74         |
|                         | Besi Diameter 10 mm                            | 2.2.1.1.4 | 372,36  | Kg     | Rp 17.501,53          | Rp | 6.516.860,22          |

| NO.                                  | URAIAN PEKERJAAN                                     | ANALISA      | VOLUME  | SATUAN | HARGA SATUAN<br>(Rp.) |              | JUMLAH HARGA<br>(Rp.) |                |
|--------------------------------------|------------------------------------------------------|--------------|---------|--------|-----------------------|--------------|-----------------------|----------------|
| 9                                    | Kolom 25/25                                          |              |         |        |                       |              |                       |                |
| a                                    | Pek. Bekisting KOLOM                                 | 2.2.1.3.4    | 13,83   | M2     | Rp                    | 309.852,55   | Rp                    | 4.283.711,50   |
| b                                    | Pek. Pembetonan KOLOM                                | 2.2.1.4.5    | 1,73    | M3     | Rp                    | 1.850.298,81 | Rp                    | 3.197.547,63   |
| c                                    | Pembesian KOLOM                                      |              |         |        |                       |              |                       |                |
|                                      | Besi Diameter 16 mm                                  | 2.2.1.1.4    | 218,27  | Kg     | Rp                    | 17.501,53    | Rp                    | 3.820.040,31   |
|                                      | Besi Diameter 10 mm                                  | 2.2.1.1.4    | 95,62   | Kg     | Rp                    | 17.501,53    | Rp                    | 1.673.542,66   |
| 10                                   | Kolom 35/40                                          |              |         |        |                       |              |                       |                |
| a                                    | Pek. Bekisting KOLOM                                 | 2.2.1.3.4    | 11,68   | M2     | Rp                    | 309.852,55   | Rp                    | 3.619.077,78   |
| b                                    | Pek. Pembetonan KOLOM                                | 2.2.1.4.5    | 2,30    | M3     | Rp                    | 1.850.298,81 | Rp                    | 4.254.762,11   |
| c                                    | Pembesian KOLOM                                      |              |         |        |                       |              |                       |                |
|                                      | Besi Diameter 16 mm                                  | 2.2.1.1.4    | 65,78   | Kg     | Rp                    | 17.501,53    | Rp                    | 1.151.303,72   |
|                                      | Besi Diameter 10 mm                                  | 2.2.1.1.4    | 55,93   | Kg     | Rp                    | 17.501,53    | Rp                    | 978.895,46     |
| 11                                   | Kolom 15/15                                          |              |         |        |                       |              |                       |                |
| a                                    | Pek. Bekisting KOLOM                                 | 2.2.1.3.4    | 1,43    | M2     | Rp                    | 309.852,55   | Rp                    | 443.089,15     |
| b                                    | Pek. Pembetonan KOLOM                                | 2.2.1.4.5    | 0,14    | M3     | Rp                    | 1.850.298,81 | Rp                    | 264.592,73     |
| c                                    | Pembesian KOLOM                                      |              |         |        |                       |              |                       |                |
|                                      | Besi Diameter 8 mm                                   | 2.2.1.1.4    | 22,59   | Kg     | Rp                    | 17.501,53    | Rp                    | 395.429,52     |
|                                      | Besi Diameter 6 mm                                   | 2.2.1.1.4    | 4,71    | Kg     | Rp                    | 17.501,53    | Rp                    | 82.369,19      |
| 12                                   | Balok 35/50                                          |              |         |        |                       |              |                       |                |
| a                                    | Pek. Bekisting Balok                                 | 2.2.1.3.5    | 89,91   | M2     | Rp                    | 325.147,55   | Rp                    | 29.234.016,22  |
| b                                    | Pek. Pembetonan Balok                                | 2.2.1.6.1c   | 11,60   | M3     | Rp                    | 2.020.232,60 | Rp                    | 23.443.284,15  |
| c                                    | Pek. Pembesian Balok                                 |              |         |        |                       |              |                       |                |
|                                      | Besi Diameter 16 mm                                  | 2.2.1.1.4    | 1652,17 | Kg     | Rp                    | 17.501,53    | Rp                    | 28.915.429,51  |
|                                      | Besi Diameter 10 mm                                  | 2.2.1.1.4    | 653,49  | Kg     | Rp                    | 17.501,53    | Rp                    | 11.437.062,68  |
| 13                                   | Balok 25/35                                          |              |         |        |                       |              |                       |                |
| a                                    | Pek. Bekisting Balok                                 | 2.2.1.3.5    | 47,11   | M2     | Rp                    | 325.147,55   | Rp                    | 15.317.213,36  |
| b                                    | Pek. Pembetonan Balok                                | 2.2.1.6.1c   | 3,98    | M3     | Rp                    | 2.020.232,60 | Rp                    | 8.050.121,85   |
| c                                    | Pek. Pembesian Balok                                 |              |         |        |                       |              |                       |                |
|                                      | Besi Diameter 16 mm                                  | 2.2.1.1.4    | 765,49  | Kg     | Rp                    | 17.501,53    | Rp                    | 13.397.206,17  |
|                                      | Besi Diameter 10 mm                                  | 2.2.1.1.4    | 290,76  | Kg     | Rp                    | 17.501,53    | Rp                    | 5.088.658,17   |
| 14                                   | Balok 20/30                                          |              |         |        |                       |              |                       |                |
| a                                    | Pek. Bekisting Balok                                 | 2.2.1.3.5    | 6,44    | M2     | Rp                    | 325.147,55   | Rp                    | 2.093.950,22   |
| b                                    | Pek. Pembetonan Balok                                | 2.2.1.6.1c   | 0,41    | M3     | Rp                    | 2.020.232,60 | Rp                    | 836.376,30     |
| c                                    | Pek. Pembesian Balok                                 |              |         |        |                       |              |                       |                |
|                                      | Besi Diameter 12 mm                                  | 2.2.1.1.4    | 102,12  | Kg     | Rp                    | 17.501,53    | Rp                    | 1.787.256,04   |
|                                      | Besi Diameter 6 mm                                   | 2.2.1.1.4    | 14,02   | Kg     | Rp                    | 17.501,53    | Rp                    | 245.320,32     |
| 15                                   | Balok 15/20                                          |              |         |        |                       |              |                       |                |
| a                                    | Pek. Bekisting Balok                                 | 2.2.1.3.5    | 1,43    | M2     | Rp                    | 325.147,55   | Rp                    | 463.660,41     |
| b                                    | Pek. Pembetonan Balok                                | 2.2.1.6.1c   | 0,06    | M3     | Rp                    | 2.020.232,60 | Rp                    | 111.516,84     |
| c                                    | Pek. Pembesian Balok                                 |              |         |        |                       |              |                       |                |
|                                      | Besi Diameter 10 mm                                  | 2.2.1.1.4    | 11,35   | Kg     | Rp                    | 17.501,53    | Rp                    | 198.691,35     |
|                                      | Besi Diameter 6 mm                                   | 2.2.1.1.4    | 3,58    | Kg     | Rp                    | 17.501,53    | Rp                    | 62.631,67      |
| 16                                   | Plat Lantai                                          |              |         |        |                       |              |                       |                |
| a                                    | Pek. Bekisting Plat                                  | 2.2.1.3.6    | 147,30  | M2     | Rp                    | 359.342,80   | Rp                    | 52.931.374,11  |
| b                                    | Pek. Pembetonan Plat                                 | 2.2.1.6.1c   | 23,52   | M3     | Rp                    | 2.020.232,60 | Rp                    | 47.508.597,91  |
| c                                    | Pek. Pembesian Plat                                  |              |         |        |                       |              |                       |                |
|                                      | Besi Diameter 10 mm                                  | 2.2.1.1.4    | 2522,16 | Kg     | Rp                    | 17.501,53    | Rp                    | 44.141.716,31  |
| 17                                   | Tangga                                               |              |         |        |                       |              |                       |                |
| a                                    | Pek. Bekisting Tangga                                | 2.2.1.3.8    | 9,18    | M2     | Rp                    | 537.696,30   | Rp                    | 4.936.052,03   |
| b                                    | Pek. Pembetonan Tangga                               | 2.2.1.4.5    | 1,70    | M3     | Rp                    | 1.850.298,81 | Rp                    | 3.147.358,28   |
| c                                    | Pembesian Tangga                                     |              |         |        |                       |              |                       |                |
|                                      | Besi Diameter 10 mm                                  | 2.2.1.1.4    | 167,82  | Kg     | Rp                    | 17.501,53    | Rp                    | 2.937.176,44   |
| 18                                   | Pek. Ringbalk                                        | 2.2.1.10.2   | 44,20   | M'     | Rp                    | 176.999,95   | Rp                    | 7.823.397,79   |
| E PEKERJAAN DINDING                  |                                                      |              |         |        |                       | SUB TOTAL D  | Rp                    | 592.973.181,82 |
| 1                                    | Pek. Pasang Dinding Bata Ringan                      | 3.6.4.2      | 175,07  | M2     | Rp                    | 197.410,55   | Rp                    | 34.560.862,84  |
| 2                                    | Pek. Pasang Rooster                                  | 3.6.3.2A     | 0,83    | M2     | Rp                    | 641.532,79   | Rp                    | 533.755,28     |
| 3                                    | Pek. Plesteran                                       | 3.7.4        | 395,96  | M2     | Rp                    | 85.553,33    | Rp                    | 33.875.439,89  |
| 4                                    | Pek. Acian                                           | 3.7.8        | 395,96  | M2     | Rp                    | 71.150,04    | Rp                    | 28.172.356,39  |
| F PEKERJAAN KUSEN, PINTU DAN TERALIS |                                                      |              |         |        |                       | SUB TOTAL E  | Rp                    | 97.142.414,39  |
| 1                                    | Pek. Kusen Pintu dan Jendela Uk. 5/10                | 3.11.3.2a    | 110,30  | M'     | Rp                    | 172.935,05   | Rp                    | 19.074.735,46  |
| 2                                    | Pek. Pintu Kayu Benuas                               | 3.11.1.11a   | 7,72    | M2     | Rp                    | 1.259.767,50 | Rp                    | 9.725.405,10   |
| 3                                    | Pek. Daun Jendela                                    | 3.11.1.9     | 8,84    | M2     | Rp                    | 387.329,43   | Rp                    | 3.423.992,16   |
| 4                                    | Pek. Pemasangan Kaca 5 mm                            | 3.12.3       | 15,25   | M2     | Rp                    | 190.785,00   | Rp                    | 2.909.471,25   |
| 5                                    | Pek. Pasang Handle Pintu Set Kunci                   | 3.11.4.2     | 4,00    | Bh     | Rp                    | 279.719,10   | Rp                    | 1.118.876,40   |
| 6                                    | Pek. Pasang Engsel Pintu 5"                          | 3.11.4.5.a   | 18,00   | Bh     | Rp                    | 59.892,00    | Rp                    | 1.078.056,00   |
| 7                                    | Pek. Engsel Jendela                                  | 3.11.4.5.b   | 32,00   | Bh     | Rp                    | 54.142,00    | Rp                    | 1.732.544,00   |
| 8                                    | Pek. Kait Angin                                      | 3.11.4.18    | 32,00   | Bh     | Rp                    | 68.517,00    | Rp                    | 2.192.544,00   |
| 9                                    | Pek. Pemasangan Grendel Jendela                      | 3.11.4.20b   | 16,00   | Bh     | Rp                    | 51.267,00    | Rp                    | 820.272,00     |
| 10                                   | Pek. Pemasangan Grendel Pintu                        | 3.11.4.20a   | 6,00    | Bh     | Rp                    | 57.017,00    | Rp                    | 342.102,00     |
| 11                                   | Pek. Pembuatan dan Pemasangan Hand Railing Stainless | Ls           | 14,90   | M'     | Rp                    | 425.000,00   | Rp                    | 6.332.500,00   |
| 12                                   | Pek. Pembuatan dan Pemasangan Teralis                | Ls           | 40,89   | M2     | Rp                    | 500.000,00   | Rp                    | 20.445.000,00  |
| G PEKERJAAN LANTAI                   |                                                      |              |         |        |                       | SUB TOTAL F  | Rp                    | 69.195.498,37  |
| 1                                    | Pek. Cor Beton Tumbuk Lantai                         | 2.2.1.4.2    | 12,98   | M3     | Rp                    | 1.730.800,67 | Rp                    | 22.471.720,65  |
| 2                                    | Pek. Pasang Keramik 60x60                            | A.4.4.3.13.  | 218,90  | M2     | Rp                    | 432.432,00   | Rp                    | 94.660.445,88  |
| 3                                    | Pek. Pasang Plint Keramik 8x60                       | 3.9.8.8      | 101,95  | M'     | Rp                    | 56.156,05    | Rp                    | 5.725.109,42   |
| 4                                    | Pek. Pasang Keramik 25x25 Kasar                      | A.4.4.3.36.a | 3,11    | M2     | Rp                    | 386.779,50   | Rp                    | 1.200.950,35   |
| 5                                    | Pek. Pasang Keramik Dinding 25x40                    | A.4.4.3.54.b | 13,44   | M2     | Rp                    | 464.979,50   | Rp                    | 6.249.324,48   |
| 6                                    | Pek. Acian Kasar Lantai                              | 3.7.8        | 36,90   | M2     | Rp                    | 71.150,04    | Rp                    | 2.625.436,48   |
| H PEKERJAAN PLAFOND                  |                                                      |              |         |        |                       | SUB TOTAL G  | Rp                    | 132.932.987,25 |
| 1                                    | Pek. Rangka Plafond Hollow                           | 3.5.3.1a     | 299,70  | M2     | Rp                    | 247.133,39   | Rp                    | 74.065.876,98  |
| 2                                    | Pek. Plafond PVC                                     | Ls. PVC      | 299,70  | M2     | Rp                    | 145.659,00   | Rp                    | 43.654.002,30  |
| 3                                    | Pek. List PVC                                        | Ls. List PVC | 199,70  | M'     | Rp                    | 43.338,00    | Rp                    | 8.654.598,60   |
|                                      |                                                      |              |         |        |                       | SUB TOTAL H  | Rp                    | 126.374.477,88 |

| NO.                        | URAIAN PEKERJAAN                                             | ANALISA    | VOLUME  | SATUAN | HARGA SATUAN<br>(Rp.) |               | JUMLAH HARGA<br>(Rp.) |
|----------------------------|--------------------------------------------------------------|------------|---------|--------|-----------------------|---------------|-----------------------|
| I                          | PEKERJAAN PENGECATAN                                         |            |         |        |                       |               |                       |
| 1                          | Pek. Pengecatan Dinding Interior                             | 3.8.10a    | 196,98  | M2     | Rp                    | 44.898,42     | Rp 8.843.999,99       |
| 2                          | Pek. Pengecatan Dinding Eksterior                            | 3.8.10b    | 269,21  | M2     | Rp                    | 46.991,42     | Rp 12.650.699,81      |
| 3                          | Pek. Pengecatan Plafond Toilet                               | 3.8.20     | 4,68    | M2     | Rp                    | 39.486,06     | Rp 184.794,74         |
| 4                          | Pek. Pengecatan Kusen dan Pintu                              | 3.8.5      | 31,99   | M2     | Rp                    | 78.454,15     | Rp 2.509.355,99       |
|                            |                                                              |            |         |        | SUB TOTAL I           |               | Rp 24.188.850,52      |
| J                          | PEKERJAAN INSTALASI LISTRIK                                  |            |         |        |                       |               |                       |
| 1                          | Pek. Pasang Titik Lampu + Instalasinya                       | Ls         | 38,00   | Titik  | Rp                    | 250.000,00    | Rp 9.500.000,00       |
| 2                          | Pek. Pasang Downlight Corong                                 | Ls         | 38,00   | Titik  | Rp                    | 75.000,00     | Rp 2.850.000,00       |
| 3                          | Pek. Pasang Lampu Phillips 9 Watt                            | Ls         | 38,00   | Titik  | Rp                    | 45.000,00     | Rp 1.710.000,00       |
| 4                          | Pek. Pasang Saklar Tunggal + Instalasi                       | Ls         | 11,00   | Titik  | Rp                    | 250.000,00    | Rp 2.750.000,00       |
| 5                          | Pek. Pasang Stopkontak                                       | Ls         | 4,00    | Titik  | Rp                    | 250.000,00    | Rp 1.000.000,00       |
| 6                          | Pek. Pemasangan Daya 5500 Watt                               | Ls         | 1,00    | Paket  | Rp                    | 15.000.000,00 | Rp 15.000.000,00      |
|                            |                                                              |            |         |        | SUB TOTAL J           |               | Rp 32.810.000,00      |
| K                          | PEKERJAAN INSTALASI SANITASI                                 |            |         |        |                       |               |                       |
| 1                          | Pek. Pasang Pipa PVC 3/4" Air Bersih                         | 6.4.1.2    | 12,00   | M'     | Rp                    | 32.982,29     | Rp 395.787,45         |
| 2                          | Pek. Pasang Pipa PVC 2" Air Kotor                            | 6.4.1.6    | 4,00    | M'     | Rp                    | 101.550,18    | Rp 406.200,70         |
| 3                          | Pek. Pasang Pipa PVC 4" Closed                               | 6.4.1.9    | 12,00   | M'     | Rp                    | 271.506,46    | Rp 3.258.077,56       |
| 4                          | Pek. Pasang Kran 3/4"                                        | 3.18.6.2   | 2,00    | Bh     | Rp                    | 172.005,04    | Rp 344.010,08         |
| 5                          | Pek. Pasang Toilet Jongkok                                   | 3.18.3.2   | 2,00    | Bh     | Rp                    | 617.338,25    | Rp 1.234.676,49       |
| 6                          | Pek. Pasang Bak Mandi Fiber 40 Liter                         | 3.18.5.3   | 2,00    | Bh     | Rp                    | 300.248,10    | Rp 600.496,19         |
| 7                          | Pek. Pasang Floordrain                                       | 3.18.6.1   | 2,00    | Bh     | Rp                    | 55.251,29     | Rp 110.502,58         |
| 8                          | Pek. Pemasangan Septiktank Biofill + Instalasi dan Finishing | Ls         | 1,00    | Bh     | Rp                    | 15.000.000,00 | Rp 15.000.000,00      |
| 9                          | Pek. Pengeboran + Mesin Pompa + Perlengkapan                 | Ls         | 1,00    | Paket  | Rp                    | 5.000.000,00  | Rp 5.000.000,00       |
|                            |                                                              |            |         |        | SUB TOTAL K           |               | Rp 26.349.751,05      |
| TOTAL PEMBANGUNAN LANTAI 1 |                                                              |            |         |        |                       |               | Rp 1.202.838.445,42   |
| II. PEMBANGUNAN LANTAI 2   |                                                              |            |         |        |                       |               |                       |
| A                          | PEKERJAAN PEMBETONAN                                         |            |         |        |                       |               |                       |
| 1                          | Kolom 35/45                                                  |            |         |        |                       |               |                       |
| a                          | Pek. Bekisting KOLOM                                         | 2.2.1.3.4  | 92,48   | M2     | Rp                    | 309.852,55    | Rp 28.655.163,82      |
| b                          | Pek. Pembetonan KOLOM                                        | 2.2.1.4.5  | 18,21   | M3     | Rp                    | 1.850.298,81  | Rp 33.688.390,43      |
| c                          | Pembesian KOLOM                                              |            |         |        |                       |               |                       |
|                            | Besi Diameter 16 mm                                          | 2.2.1.1.4  | 1948,64 | Kg     | Rp                    | 17.501,53     | Rp 34.104.188,72      |
|                            | Besi Diameter 10 mm                                          | 2.2.1.1.4  | 685,14  | Kg     | Rp                    | 17.501,53     | Rp 11.991.022,80      |
| 2                          | Kolom 35/40                                                  |            |         |        |                       |               |                       |
| a                          | Pek. Bekisting KOLOM                                         | 2.2.1.3.4  | 27,38   | M2     | Rp                    | 309.852,55    | Rp 8.482.213,56       |
| b                          | Pek. Pembetonan KOLOM                                        | 2.2.1.4.5  | 5,11    | M3     | Rp                    | 1.850.298,81  | Rp 9.455.026,92       |
| c                          | Pembesian KOLOM                                              |            |         |        |                       |               |                       |
|                            | Besi Diameter 16 mm                                          | 2.2.1.1.4  | 397,82  | Kg     | Rp                    | 17.501,53     | Rp 6.962.527,88       |
|                            | Besi Diameter 10 mm                                          | 2.2.1.1.4  | 129,96  | Kg     | Rp                    | 17.501,53     | Rp 2.274.411,07       |
| 3                          | Kolom 25/25                                                  |            |         |        |                       |               |                       |
| a                          | Pek. Bekisting KOLOM                                         | 2.2.1.3.4  | 24,85   | M2     | Rp                    | 309.852,55    | Rp 7.699.835,87       |
| b                          | Pek. Pembetonan KOLOM                                        | 2.2.1.4.5  | 3,11    | M3     | Rp                    | 1.850.298,81  | Rp 5.747.490,68       |
| c                          | Pembesian KOLOM                                              |            |         |        |                       |               |                       |
|                            | Besi Diameter 16 mm                                          | 2.2.1.1.4  | 401,19  | Kg     | Rp                    | 17.501,53     | Rp 7.021.450,62       |
|                            | Besi Diameter 10 mm                                          | 2.2.1.1.4  | 170,00  | Kg     | Rp                    | 17.501,53     | Rp 2.975.186,95       |
| 4                          | Kolom 15/15                                                  |            |         |        |                       |               |                       |
| a                          | Pek. Bekisting KOLOM                                         | 2.2.1.3.4  | 1,10    | M2     | Rp                    | 309.852,55    | Rp 340.837,81         |
| b                          | Pek. Pembetonan KOLOM                                        | 2.2.1.4.5  | 0,11    | M3     | Rp                    | 1.850.298,81  | Rp 203.532,87         |
| c                          | Pembesian KOLOM                                              |            |         |        |                       |               |                       |
|                            | Besi Diameter 8 mm                                           | 2.2.1.1.4  | 18,96   | Kg     | Rp                    | 17.501,53     | Rp 331.828,97         |
|                            | Besi Diameter 6 mm                                           | 2.2.1.1.4  | 3,58    | Kg     | Rp                    | 17.501,53     | Rp 62.600,59          |
| 5                          | Balok 30/50                                                  |            |         |        |                       |               |                       |
| a                          | Pek. Bekisting Balok                                         | 2.2.1.3.5  | 215,95  | M2     | Rp                    | 325.147,55    | Rp 70.215.776,00      |
| b                          | Pek. Pembetonan Balok                                        | 2.2.1.6.1c | 27,91   | M3     | Rp                    | 2.020.232,60  | Rp 56.384.792,88      |
| c                          | Pek. Pembesian Balok                                         |            |         |        |                       |               |                       |
|                            | Besi Diameter 16 mm                                          | 2.2.1.1.4  | 3973,72 | Kg     | Rp                    | 17.501,53     | Rp 69.546.164,84      |
|                            | Besi Diameter 10 mm                                          | 2.2.1.1.4  | 1570,99 | Kg     | Rp                    | 17.501,53     | Rp 27.494.779,03      |
| 6                          | Balok 25/35                                                  |            |         |        |                       |               |                       |
| a                          | Pek. Bekisting Balok                                         | 2.2.1.3.5  | 74,48   | M2     | Rp                    | 325.147,55    | Rp 24.216.664,38      |
| b                          | Pek. Pembetonan Balok                                        | 2.2.1.6.1c | 6,23    | M3     | Rp                    | 2.020.232,60  | Rp 12.592.109,80      |
| c                          | Pek. Pembesian Balok                                         |            |         |        |                       |               |                       |
|                            | Besi Diameter 16 mm                                          | 2.2.1.1.4  | 1197,39 | Kg     | Rp                    | 17.501,53     | Rp 20.956.091,61      |
|                            | Besi Diameter 10 mm                                          | 2.2.1.1.4  | 454,80  | Kg     | Rp                    | 17.501,53     | Rp 7.959.748,14       |
| 7                          | Balok 20/30                                                  |            |         |        |                       |               |                       |
| a                          | Pek. Bekisting Balok                                         | 2.2.1.3.5  | 7,92    | M2     | Rp                    | 325.147,55    | Rp 2.576.469,19       |
| b                          | Pek. Pembetonan Balok                                        | 2.2.1.6.1c | 0,51    | M3     | Rp                    | 2.020.232,60  | Rp 1.029.106,49       |
| c                          | Pek. Pembesian Balok                                         |            |         |        |                       |               |                       |
|                            | Besi Diameter 12 mm                                          | 2.2.1.1.4  | 125,65  | Kg     | Rp                    | 17.501,53     | Rp 2.199.102,00       |
|                            | Besi Diameter 6 mm                                           | 2.2.1.1.4  | 17,17   | Kg     | Rp                    | 17.501,53     | Rp 300.543,94         |
| 8                          | Balok 15/20                                                  |            |         |        |                       |               |                       |
| a                          | Pek. Bekisting Balok                                         | 2.2.1.3.5  | 1,43    | M2     | Rp                    | 325.147,55    | Rp 463.660,41         |
| b                          | Pek. Pembetonan Balok                                        | 2.2.1.6.1c | 0,06    | M3     | Rp                    | 2.020.232,60  | Rp 111.516,84         |
| c                          | Pek. Pembesian Balok                                         |            |         |        |                       |               |                       |
|                            | Besi Diameter 10 mm                                          | 2.2.1.1.4  | 11,35   | Kg     | Rp                    | 17.501,53     | Rp 198.691,35         |
|                            | Besi Diameter 6 mm                                           | 2.2.1.1.4  | 3,54    | Kg     | Rp                    | 17.501,53     | Rp 61.958,21          |
| 9                          | Plat Lantai                                                  |            |         |        |                       |               |                       |
| a                          | Pek. Bekisting Plat                                          | 2.2.1.3.6  | 323,15  | M2     | Rp                    | 359.342,80    | Rp 116.122.524,18     |
| b                          | Pek. Pembetonan Plat                                         | 2.2.1.6.1c | 51,20   | M3     | Rp                    | 2.020.232,60  | Rp 103.428.232,24     |
| c                          | Pek. Pembesian Plat                                          |            |         |        |                       |               |                       |
|                            | Besi Diameter 10 mm                                          | 2.2.1.1.4  | 5441,00 | Kg     | Rp                    | 17.501,53     | Rp 95.225.793,81      |
| 10                         | Tangga                                                       |            |         |        |                       |               |                       |
| a                          | Pek. Bekisting Tangga                                        | 2.2.1.3.8  | 8,91    | M2     | Rp                    | 537.696,30    | Rp 4.790.874,03       |
| b                          | Pek. Pembetonan Tangga                                       | 2.2.1.4.5  | 1,62    | M3     | Rp                    | 1.850.298,81  | Rp 2.997.484,07       |
| c                          | Pembesian Tangga                                             |            |         |        |                       |               |                       |
|                            | Besi Diameter 10 mm                                          | 2.2.1.1.4  | 179,02  | Kg     | Rp                    | 17.501,53     | Rp 3.133.168,17       |
| 11                         | Pek. Ringbalk                                                | 2.2.1.10.2 | 104,17  | M'     | Rp                    | 176.999,95    | Rp 18.438.084,79      |
|                            |                                                              |            |         |        | SUB TOTAL A           |               | Rp 800.439.045,90     |

| NO.                        | URAIAN PEKERJAAN                                     | ANALISA      | VOLUME | SATUAN | HARGA SATUAN<br>(Rp.) |              | JUMLAH HARGA<br>(Rp.) |                  |
|----------------------------|------------------------------------------------------|--------------|--------|--------|-----------------------|--------------|-----------------------|------------------|
| B                          | PEKERJAAN DINDING                                    |              |        |        |                       |              |                       |                  |
| 1                          | Pek. Pasang Dinding Bata Ringan                      | 3.6.4.2      | 407,63 | M2     | Rp                    | 197.410,55   | Rp                    | 80.470.660,93    |
| 2                          | Pek. Pasang Rooster                                  | 3.6.3.2A     | 1,20   | M2     | Rp                    | 641.532,79   | Rp                    | 769.839,35       |
| 3                          | Pek. Plesteran                                       | 3.7.4        | 983,94 | M2     | Rp                    | 85.553,33    | Rp                    | 84.179.129,64    |
| 4                          | Pek. Acian                                           | 3.7.8        | 983,94 | M2     | Rp                    | 71.150,04    | Rp                    | 70.007.192,48    |
|                            |                                                      |              |        |        |                       | SUB TOTAL B  | Rp                    | 235.426.822,39   |
| C                          | PEKERJAAN KUSEN, PINTU DAN TERALIS                   |              |        |        |                       |              |                       |                  |
| 1                          | Pek. Kusen Pintu dan Jendela Uk. 5/10                | 3.11.3.2a    | 282,00 | M'     | Rp                    | 172.935,05   | Rp                    | 48.767.682,69    |
| 2                          | Pek. Pintu Kayu Benuas                               | 3.11.1.11a   | 15,10  | M2     | Rp                    | 1.259.767,50 | Rp                    | 19.022.489,25    |
| 3                          | Pek. Daun Jendela                                    | 3.11.1.9     | 23,21  | M2     | Rp                    | 387.329,43   | Rp                    | 8.987.979,42     |
| 4                          | Pek. Pemasangan Kaca 5 mm                            | 3.12.3       | 43,04  | M2     | Rp                    | 190.785,00   | Rp                    | 8.210.432,48     |
| 5                          | Pek. Pasang Kunci Tanam Pintu                        | 3.11.4.2     | 7,00   | Bh     | Rp                    | 279.719,10   | Rp                    | 1.958.033,70     |
| 6                          | Pek. Pasang Engsel Pintu 5"                          | 3.11.4.5.a   | 36,00  | Bh     | Rp                    | 59.892,00    | Rp                    | 2.156.112,00     |
| 7                          | Pek. Engsel Jendela                                  | 3.11.4.5.b   | 84,00  | Bh     | Rp                    | 54.142,00    | Rp                    | 4.547.928,00     |
| 8                          | Pek. Kait Angin                                      | 3.11.4.18    | 84,00  | Bh     | Rp                    | 68.517,00    | Rp                    | 5.755.428,00     |
| 9                          | Pek. Pemasangan Grendel Jendela                      | 3.11.4.20b   | 42,00  | Bh     | Rp                    | 51.267,00    | Rp                    | 2.153.214,00     |
| 10                         | Pek. Pemasangan Grendel Pintu                        | 3.11.4.20a   | 12,00  | Bh     | Rp                    | 57.017,00    | Rp                    | 684.204,00       |
| 11                         | Pek. Pembuatan dan Pemasangan Hand Railing Stainless | Ls           | 59,06  | M'     | Rp                    | 425.000,00   | Rp                    | 25.100.500,00    |
| 12                         | Pek. Pembuatan dan Pemasangan Teralis                | Ls           | 45,24  | M2     | Rp                    | 500.000,00   | Rp                    | 22.620.000,00    |
|                            |                                                      |              |        |        |                       | SUB TOTAL C  | Rp                    | 149.964.003,54   |
| D                          | PEKERJAAN LANTAI                                     |              |        |        |                       |              |                       |                  |
| 1                          | Pek. Pasang Keramik 60x60                            | A.4.4.3.13.  | 387,73 | M2     | Rp                    | 432.432,00   | Rp                    | 167.664.697,20   |
| 2                          | Pek. Pasang Plint Keramik 8x60                       | 3.9.8.8      | 234,60 | M'     | Rp                    | 56.156,05    | Rp                    | 13.174.209,62    |
| 3                          | Pek. Pasang Keramik 25x25 Kasar                      | A.4.4.3.36.a | 3,11   | M2     | Rp                    | 386.779,50   | Rp                    | 1.200.950,35     |
| 4                          | Pek. Pasang Keramik Dinding 25x40                    | A.4.4.3.54.b | 13,44  | M2     | Rp                    | 464.979,50   | Rp                    | 6.249.324,48     |
|                            |                                                      |              |        |        |                       | SUB TOTAL D  | Rp                    | 188.289.181,64   |
| E                          | PEKERJAAN PLAFOND                                    |              |        |        |                       |              |                       |                  |
| 1                          | Pek. Rangka Plafond Hollow                           | 3.5.3.1a     | 374,26 | M2     | Rp                    | 247.133,39   | Rp                    | 92.492.760,37    |
| 2                          | Pek. Plafond PVC                                     | Ls. PVC      | 374,26 | M2     | Rp                    | 145.659,00   | Rp                    | 54.514.701,49    |
| 3                          | Pek. List PVC                                        | Ls. List PVC | 253,80 | M'     | Rp                    | 43.338,00    | Rp                    | 10.999.184,40    |
|                            |                                                      |              |        |        |                       | SUB TOTAL E  | Rp                    | 158.006.646,26   |
| F                          | PEKERJAAN PENGECATAN                                 |              |        |        |                       |              |                       |                  |
| 1                          | Pek. Pengecatan Dinding Interior                     | 3.8.10a      | 418,42 | M2     | Rp                    | 44.898,42    | Rp                    | 18.786.305,01    |
| 2                          | Pek. Pengecatan Dinding Eksterior                    | 3.8.10b      | 336,13 | M2     | Rp                    | 46.991,42    | Rp                    | 15.795.388,79    |
| 3                          | Pek. Pengecatan Kusen dan Pintu                      | 3.8.5        | 72,50  | M2     | Rp                    | 78.454,15    | Rp                    | 5.687.925,88     |
|                            |                                                      |              |        |        |                       | SUB TOTAL F  | Rp                    | 40.269.619,68    |
| G                          | PEKERJAAN INSTALASI LISTRIK                          |              |        |        |                       |              |                       |                  |
| 1                          | Pek. Pasang Titik Lampu + Instalasinya               | Ls           | 49,00  | Titik  | Rp                    | 250.000,00   | Rp                    | 12.250.000,00    |
| 2                          | Pek. Pasang Downlight Corong                         | Ls           | 49,00  | Titik  | Rp                    | 75.000,00    | Rp                    | 3.675.000,00     |
| 3                          | Pek. Pasang Lampu Phillips 9 Watt                    | Ls           | 49,00  | Titik  | Rp                    | 45.000,00    | Rp                    | 2.205.000,00     |
| 4                          | Pek. Pasang Saklar Tunggal + Instalasi               | Ls           | 14,00  | Titik  | Rp                    | 250.000,00   | Rp                    | 3.500.000,00     |
| 5                          | Pek. Pasang Stopkontak                               | Ls           | 8,00   | Titik  | Rp                    | 250.000,00   | Rp                    | 2.000.000,00     |
|                            |                                                      |              |        |        |                       | SUB TOTAL G  | Rp                    | 23.630.000,00    |
| H                          | PEKERJAAN INSTALASI SANITASI                         |              |        |        |                       |              |                       |                  |
| 1                          | Pek. Pasang Pipa PVC 3/4" Air Bersih                 | 6.4.1.2      | 12,00  | M'     | Rp                    | 32.982,29    | Rp                    | 395.787,45       |
| 2                          | Pek. Pasang Pipa PVC 2" Air Kotor                    | 6.4.1.6      | 8,00   | M'     | Rp                    | 101.550,18   | Rp                    | 812.401,40       |
| 3                          | Pek. Pasang Pipa PVC 4" Closed                       | 6.4.1.9      | 20,00  | M'     | Rp                    | 271.506,46   | Rp                    | 5.430.129,26     |
| 4                          | Pek. Pasang Kran 3/4"                                | 3.18.6.2     | 2,00   | Bh     | Rp                    | 172.005,04   | Rp                    | 344.010,08       |
| 5                          | Pek. Pasang Toilet Jongkok                           | 3.18.3.2     | 2,00   | Bh     | Rp                    | 617.338,25   | Rp                    | 1.234.676,49     |
| 6                          | Pek. Pasang Bak Mandi Fiber 40 Liter                 | 3.18.5.3     | 2,00   | Bh     | Rp                    | 300.248,10   | Rp                    | 600.496,19       |
| 7                          | Pek. Pasang Floordrain                               | 3.18.6.1     | 2,00   | Bh     | Rp                    | 55.251,29    | Rp                    | 110.502,58       |
|                            |                                                      |              |        |        |                       | SUB TOTAL H  | Rp                    | 8.928.003,45     |
| TOTAL PEMBANGUNAN LANTAI 2 |                                                      |              |        |        |                       |              | Rp                    | 1.604.953.322,87 |
|                            |                                                      |              |        |        |                       |              |                       |                  |
| III. PEMBANGUNAN LANTAI 3  |                                                      |              |        |        |                       |              |                       |                  |
| A                          | PEKERJAAN PEMBETONAN                                 |              |        |        |                       |              |                       |                  |
| 1                          | Kolom 35/45                                          |              |        |        |                       |              |                       |                  |
| a                          | Pek. Bekisting KOLOM                                 | 2.2.1.3.4    | 93,84  | M2     | Rp                    | 309.852,55   | Rp                    | 29.076.563,29    |
| b                          | Pek. Pembetonan KOLOM                                | 2.2.1.4.5    | 18,47  | M3     | Rp                    | 1.850.298,81 | Rp                    | 34.183.807,94    |
| c                          | Pembesian KOLOM                                      |              |        |        |                       |              |                       |                  |
|                            | Besi Diameter 12 mm                                  | 2.2.1.1.4    | 905,76 | Kg     | Rp                    | 17.501,53    | Rp                    | 15.852.184,00    |
|                            | Besi Diameter 8 mm                                   | 2.2.1.1.4    | 437,39 | Kg     | Rp                    | 17.501,53    | Rp                    | 7.654.962,53     |
| 2                          | Kolom 25/25                                          |              |        |        |                       |              |                       |                  |
| a                          | Pek. Bekisting KOLOM                                 | 2.2.1.3.4    | 24,15  | M2     | Rp                    | 309.852,55   | Rp                    | 7.482.939,08     |
| b                          | Pek. Pembetonan KOLOM                                | 2.2.1.4.5    | 3,02   | M3     | Rp                    | 1.850.298,81 | Rp                    | 5.585.589,53     |
| c                          | Pembesian KOLOM                                      |              |        |        |                       |              |                       |                  |
|                            | Besi Diameter 12 mm                                  | 2.2.1.1.4    | 186,48 | Kg     | Rp                    | 17.501,53    | Rp                    | 3.263.684,94     |
|                            | Besi Diameter 8 mm                                   | 2.2.1.1.4    | 103,79 | Kg     | Rp                    | 17.501,53    | Rp                    | 1.816.431,79     |
| 3                          | Kolom 15/15                                          |              |        |        |                       |              |                       |                  |
| a                          | Pek. Bekisting KOLOM                                 | 2.2.1.3.4    | 2,12   | M2     | Rp                    | 309.852,55   | Rp                    | 656.887,41       |
| b                          | Pek. Pembetonan KOLOM                                | 2.2.1.4.5    | 0,21   | M3     | Rp                    | 1.850.298,81 | Rp                    | 395.963,95       |
| c                          | Pembesian KOLOM                                      |              |        |        |                       |              |                       |                  |
|                            | Besi Diameter 8 mm                                   | 2.2.1.1.4    | 60,55  | Kg     | Rp                    | 17.501,53    | Rp                    | 1.059.640,51     |
|                            | Besi Diameter 6 mm                                   | 2.2.1.1.4    | 7,34   | Kg     | Rp                    | 17.501,53    | Rp                    | 128.495,94       |
| 4                          | Balok Tritisan 20/40 (BT1)                           |              |        |        |                       |              |                       |                  |
| a                          | Pek. Bekisting Balok                                 | 2.2.1.3.4    | 73,62  | M2     | Rp                    | 309.852,55   | Rp                    | 22.811.344,73    |
| b                          | Pek. Pembetonan Balok                                | 2.2.1.4.5    | 7,36   | M3     | Rp                    | 1.850.298,81 | Rp                    | 13.618.199,24    |
| c                          | Pek. Pembesian Balok                                 |              |        |        |                       |              |                       |                  |
|                            | Besi Diameter 12 mm                                  | 2.2.1.1.4    | 980,35 | Kg     | Rp                    | 17.501,53    | Rp                    | 17.157.657,98    |
|                            | Besi Diameter 6 mm                                   | 2.2.1.1.4    | 139,03 | Kg     | Rp                    | 17.501,53    | Rp                    | 2.433.310,24     |



| NO.                                       | URAIAN PEKERJAAN                             | ANALISA | VOLUME | SATUAN | HARGA SATUAN<br>(Rp.) | JUMLAH HARGA<br>(Rp.)      |
|-------------------------------------------|----------------------------------------------|---------|--------|--------|-----------------------|----------------------------|
| <b>K</b>                                  | <b>PENGADAAN PERABOT RUANG KELAS</b>         |         |        |        |                       |                            |
| 1                                         | Pengadaan Lemari Buku Besi                   | Ls      | 8,00   | Bh     | Rp 3.250.000,00       | Rp 26.000.000,00           |
| 2                                         | Pengadaan Meja + Kursi Guru ( 1/2 Biro)      | Ls      | 8,00   | Bh     | Rp 2.312.500,00       | Rp 18.500.000,00           |
| 3                                         | Pengadaan Meja + Kursi Siswa                 | Ls      | 223,00 | Bh     | Rp 2.475.000,00       | Rp 551.925.000,00          |
| 4                                         | Pengadaan Papan Tulis / Whiteboard (120x240) | Ls      | 8,00   | Bh     | Rp 900.000,00         | Rp 7.200.000,00            |
|                                           |                                              |         |        |        | <b>SUB TOTAL K</b>    | <b>Rp 603.625.000,00</b>   |
| <b>L</b>                                  | <b>PEKERJAAN FINISHING</b>                   |         |        |        |                       |                            |
| 1                                         | Pembuatan Prasasti                           | Ls      | 1,00   | Bh     | Rp 500.000,00         | Rp 500.000,00              |
|                                           |                                              |         |        |        | <b>SUB TOTAL L</b>    | <b>Rp 500.000,00</b>       |
| <b>TOTAL PEMBANGUNAN LANTAI 3</b>         |                                              |         |        |        |                       | <b>Rp 3.169.727.961,43</b> |
| <b>TOTAL PEMBANGUNAN LANTAI 1 + 2 + 3</b> |                                              |         |        |        |                       | <b>Rp 5.977.519.729,73</b> |
| <b>PAJAK (PPN 11%)</b>                    |                                              |         |        |        |                       | <b>Rp 657.527.170,27</b>   |
| <b>JUMLAH TOTAL</b>                       |                                              |         |        |        |                       | <b>Rp 6.635.046.900,00</b> |
| <b>JUMLAH TOTAL (PEMBULATAN)</b>          |                                              |         |        |        |                       | <b>Rp 6.635.046.900,00</b> |

BACK UP DATA PERHITUNGAN

Program : Pengelolaan Pendidikan  
Kegiatan : Pengelolaan Pendidikan Sekolah Menengah Pertama  
Pekerjaan : Lanjutan Pembangunan Kelas Baru SMPN 1 Palangka Raya  
Lokasi : Kota Palangka Raya  
Tahun Anggaran : 2024

| NO.                     | URAIAN PEKERJAAN                               | URAIAN PERHITUNGAN                  |           |                        |                   |                               | VOLUME      | SAT.                        |
|-------------------------|------------------------------------------------|-------------------------------------|-----------|------------------------|-------------------|-------------------------------|-------------|-----------------------------|
|                         |                                                | Panjang (P)                         | Lebar (L) | Tinggi (T)             | Banyak Luasan (Q) | Total                         |             |                             |
| 1                       | 2                                              | 3                                   | 4         | 5                      | 6                 | 7                             | 8           | 9                           |
| I. PEMBANGUNAN LANTAI 1 |                                                |                                     |           |                        |                   |                               |             |                             |
| A                       | PEKERJAAN PENDAHULUAN                          |                                     |           |                        |                   |                               |             |                             |
| 1                       | Pek. Pembersihan lokasi Awal dan Akhir         |                                     |           |                        |                   | =                             | 1,00        | Paket                       |
| 2                       | Pek. Pembuatan Plank Informasi Proyek          |                                     |           |                        |                   | =                             | 1,00        | Unit                        |
| 3                       | Pek. Pembuatan dan Pemasangan Bowplank         | P<br>22,00                          | +<br>+    | L<br>10,00             | x<br>x            | 2,00<br>2,00<br>=<br>64,00    | =<br>64,00  | M'                          |
| 4                       | Pek.Pembuatan Direksi Keet                     | P<br>3,00                           | x<br>x    | L<br>4,00              |                   | Jumlah Total<br>=<br>12,00    | =<br>12,00  | M2                          |
| 5                       | Pek.Pembuatan Gudang Alat dan Bahan            | P<br>3,00                           | x<br>x    | L<br>4,00              |                   | Jumlah Total<br>=<br>12,00    | =<br>12,00  | M2                          |
| 6                       | Penyelenggaraan SMK                            |                                     |           |                        |                   | Jumlah Total<br>=<br>12,00    | =<br>12,00  | M2                          |
| B                       | PEKERJAAN BONGKARAN                            |                                     |           |                        |                   |                               |             |                             |
| 1                       | Pek. Bongkaran Penutup Atap                    |                                     |           |                        |                   |                               | =<br>1,00   | Paket                       |
|                         | Depan                                          | 7,70                                | x         | 3,05                   |                   | =                             | 23,49       |                             |
|                         | a                                              |                                     | +         | b                      | /                 | 2,00                          | x           | t                           |
|                         |                                                | 7,70                                | +         | 10,65                  | /                 | 2,00                          | x           | 3,40                        |
|                         | Belakang                                       | 7,70                                | x         | 3,05                   |                   | =                             | 23,49       |                             |
|                         | a                                              |                                     | +         | b                      | /                 | 2,00                          | x           | t                           |
|                         |                                                | 7,70                                | +         | 10,65                  | /                 | 2,00                          | x           | 3,40                        |
|                         | Samping                                        | a                                   | +         | b                      | /                 | 2,00                          | x           | t                           |
|                         |                                                | 11,20                               | +         | 4,50                   | /                 | 2,00                          | x           | 3,40                        |
|                         |                                                |                                     |           |                        |                   | Jumlah Total<br>=<br>136,05   | =<br>136,05 | M2                          |
| 2                       | Pek. Bongkaran Rangka Atap                     |                                     |           |                        |                   |                               | =<br>136,05 | M2                          |
| 3                       | Pek. Bongkaran Kuda-Kuda                       |                                     |           |                        |                   |                               | =<br>1,00   | Paket                       |
| 4                       | Pek. Bongkaran Plafond                         | P<br>8,85                           | x<br>x    | L<br>6,85              | x<br>x            | Q<br>1,00<br>=<br>60,62       | =<br>60,62  | M2                          |
| 5                       | Pek. Bongkaran Dinding                         | P<br>2,75                           | x<br>x    | L<br>2,75              | x<br>x            | T<br>0,15                     | x<br>x      | Q<br>3,00<br>=<br>3,40      |
|                         | Bagian Belakang                                | 2,75                                | x         | 2,75                   | x                 | 0,15                          | x           | 3,00                        |
|                         | Bagian Depan                                   | 2,75                                | x         | 2,75                   | x                 | 0,15                          | x           | 3,00                        |
|                         | Bagian Samping                                 | 6,80                                | x         | 2,75                   | x                 | 0,15                          | x           | 2,00                        |
|                         | Pengurangan Jendela                            | 2,10                                | x         | 1,45                   | x                 | 0,15                          | x           | 6,00                        |
|                         | Pengurangan Pintu                              | 2,60                                | x         | 1,30                   | x                 | 0,15                          | x           | 1,00                        |
|                         |                                                | 2,00                                | x         | 0,90                   | x                 | 0,15                          | x           | 1,00                        |
|                         |                                                |                                     |           |                        |                   | Jumlah Total<br>=<br>8,90     | =<br>8,90   | M3                          |
| 6                       | Pek. Bongkaran Beton Kolom, Sloof dan Ringbalk | P<br>0,20                           | x<br>x    | L<br>0,25              | x<br>x            | T<br>2,50                     | x<br>x      | Q<br>8,00<br>=<br>1,00      |
|                         | Kolom 20x25                                    | 0,10                                | x         | 0,10                   | x                 | 2,50                          | x           | 4,00                        |
|                         | Kolom Praktis                                  | 9,15                                | x         | 0,15                   | x                 | 0,20                          | x           | 2,00                        |
|                         | Sloof                                          | 6,85                                | x         | 0,15                   | x                 | 0,20                          | x           | 2,00                        |
|                         | Ringbalk                                       | 9,15                                | x         | 0,15                   | x                 | 0,20                          | x           | 2,00                        |
|                         |                                                | 6,85                                | x         | 0,15                   | x                 | 0,20                          | x           | 2,00                        |
|                         |                                                |                                     |           |                        |                   | Jumlah Total<br>=<br>3,02     | =<br>3,02   | M3                          |
| C                       | PEKERJAAN TANAH                                |                                     |           |                        |                   |                               |             |                             |
| 1                       | Pek. Galian Tanah Pondasi Foot Plat            | P<br>1,50                           | x<br>x    | L<br>1,50              | x<br>x            | T<br>1,85                     | x<br>x      | Q<br>28,00<br>=<br>116,55   |
|                         |                                                |                                     |           |                        |                   |                               |             | Jumlah Total<br>=<br>116,55 |
| 2                       | Pek. Pemasangan Galam Dengan Ø 10-12 cm        | Juml. Cerucuk<br>Perpondasi<br>9,00 | x<br>x    | Juml. Pondasi<br>28,00 | x<br>x            | Panjang<br>Perpondasi<br>2,00 |             | =<br>504,00                 |
|                         |                                                |                                     |           |                        |                   |                               |             | Jumlah Total<br>=<br>504,00 |
| 3                       | Pek. Urugan Kembali Bekas Galian               | V. Galian<br>116,55                 | x<br>x    | Koef<br>0,33           |                   |                               |             | =<br>38,85                  |
|                         |                                                |                                     |           |                        |                   |                               |             | Jumlah Total<br>=<br>38,85  |
| 4                       | Pek. Urugan Tanah Dibawah Lantai               | P<br>8,25                           | x<br>x    | L<br>6,85              | x<br>x            | T<br>0,14                     | x<br>x      | Q<br>1,00<br>=<br>7,91      |
|                         | Bagian Dalam R. Kelas                          | 8,20                                | x         | 6,85                   | x                 | 0,14                          | x           | 1,00                        |
|                         | WC                                             | 1,30                                | x         | 1,80                   | x                 | 0,14                          | x           | 2,00                        |
|                         | Tangga                                         | 2,75                                | x         | 3,30                   | x                 | 0,14                          | x           | 1,00                        |
|                         |                                                | 2,75                                | x         | 1,35                   | x                 | 0,14                          | x           | 1,00                        |
|                         | Selasar                                        | 8,25                                | x         | 1,70                   | x                 | 0,05                          | x           | 1,00                        |
|                         |                                                | 8,20                                | x         | 1,70                   | x                 | 0,05                          | x           | 1,00                        |
|                         |                                                | 2,75                                | x         | 1,70                   | x                 | 0,05                          | x           | 1,00                        |
|                         |                                                |                                     |           |                        |                   | Jumlah Total<br>=<br>19,85    | =<br>19,85  | M3                          |
| 5                       | Pek. Urugan Pasir Dibawah P Foot Plat t = 5 cm | P<br>1,50                           | x<br>x    | L<br>1,50              | x<br>x            | T<br>0,05                     | x<br>x      | Q<br>28,00<br>=<br>3,15     |
|                         |                                                |                                     |           |                        |                   |                               |             | Jumlah Total<br>=<br>3,15   |

| NO. | URAIAN PEKERJAAN                            | URAIAN PERHITUNGAN |   |           |    |            |   |                   |   |       | VOLUME  | SAT. |
|-----|---------------------------------------------|--------------------|---|-----------|----|------------|---|-------------------|---|-------|---------|------|
|     |                                             | Panjang (P)        |   | Lebar (L) |    | Tinggi (T) |   | Banyak Luasan (Q) |   | Total |         |      |
| 1   | 2                                           | 3                  |   | 4         |    | 5          |   | 6                 |   | 7     | 8       | 9    |
| 6   | Pek. Urugan Pasir Dibawah Lantai            | P                  | x | L         | x  | T          | x | Q                 |   | =     | 29,30   | M3   |
|     | Bagian Dalam R. Kelas                       | 8,25               | x | 6,85      | x  | 0,15       | x | 1,00              | = | 8,48  |         |      |
|     |                                             | 8,20               | x | 6,85      | x  | 0,15       | x | 1,00              | = | 8,43  |         |      |
|     | WC                                          | 1,30               | x | 1,80      | x  | 0,10       | x | 2,00              | = | 0,47  |         |      |
|     | Tangga                                      | 2,75               | x | 3,30      | x  | 0,15       | x | 1,00              | = | 1,36  |         |      |
|     |                                             | 2,75               | x | 1,35      | x  | 0,15       | x | 1,00              | = | 0,56  |         |      |
|     | Selasar                                     | 8,25               | x | 1,70      | x  | 0,14       | x | 1,00              | = | 1,96  |         |      |
|     |                                             | 8,20               | x | 1,70      | x  | 0,14       | x | 1,00              | = | 1,95  |         |      |
|     |                                             | 2,75               | x | 1,70      | x  | 0,14       | x | 1,00              | = | 0,65  |         |      |
|     | Penghubung Gedung                           | 3,30               | x | 1,60      | x  | 0,24       | x | 1,00              | = | 1,27  |         |      |
|     |                                             | 3,20               | x | 1,60      | x  | 0,24       | x | 1,00              | = | 1,23  |         |      |
|     |                                             | 1,75               | x | 1,60      | x  | 0,24       | x | 1,00              | = | 0,67  |         |      |
|     |                                             | 3,30               | x | 1,15      | x  | 0,24       | x | 1,00              | = | 0,91  |         |      |
|     |                                             | 3,20               | x | 1,15      | x  | 0,24       | x | 1,00              | = | 0,88  |         |      |
|     |                                             | 1,75               | x | 1,15      | x  | 0,24       | x | 1,00              | = | 0,48  |         |      |
|     |                                             |                    |   |           |    |            |   | Jumlah Total      | = | 29,30 |         |      |
| D   | PEKERJAAN PEMBETONAN                        |                    |   |           |    |            |   |                   |   |       |         |      |
| 1   | PONDASI FOOTPLATE 140x140 cm                |                    |   |           |    |            |   |                   |   |       |         |      |
| a   | Pek. Lantai Kerja Footplate 140x140 cm      | P                  | x | L         | x  | T          | x | Q                 |   | =     | 6,30    | M3   |
|     |                                             | 1,50               | x | 1,50      | x  | 0,10       | x | 28,00             | = | 6,30  |         |      |
|     |                                             |                    |   |           |    |            |   | Jumlah Total      | = | 6,30  |         |      |
| b   | Pek. Bekisting Footplate                    | P                  | + | L         | x  | T          | x | Q                 |   | =     | 29,68   | M2   |
|     |                                             | 2,80               | + | 2,80      | x  | 0,30       | x | 28,00             | = | 29,68 |         |      |
|     |                                             |                    |   |           |    |            |   | Jumlah Total      | = | 29,68 |         |      |
| c   | Pek. Pembetonan Footplate                   | P                  | x | L         | x  | T          | x | Q                 |   | =     | 16,46   | M3   |
|     |                                             | 1,40               | x | 1,40      | x  | 0,30       | x | 28,00             | = | 16,46 |         |      |
|     |                                             |                    |   |           |    |            |   | Jumlah Total      | = | 16,46 |         |      |
| d   | Pek. Pembesian Footplate                    |                    |   |           |    |            |   |                   |   | =     | 3054,00 | Kg   |
|     | Panjang                                     |                    | = | 1,40      | M  |            |   |                   |   |       |         |      |
|     | Lebar                                       |                    | = | 1,40      | M  |            |   |                   |   |       |         |      |
|     | Tinggi                                      |                    | = | 0,30      | M  |            |   |                   |   |       |         |      |
|     | Jarak Antar Besi (P)                        |                    | = | 0,15      | M  |            |   |                   |   |       |         |      |
|     | Jarak Antar Besi (L)                        |                    | = | 0,15      | M  |            |   |                   |   |       |         |      |
|     | Jumlah Unit (P)                             |                    | = | 10,00     | Bh |            |   |                   |   |       |         |      |
|     | Jumlah Unit (L)                             |                    | = | 10,00     | Bh |            |   |                   |   |       |         |      |
|     | Selimut Beton                               |                    | = | 0,025     | M  |            |   |                   |   |       |         |      |
|     | Ukuran besi                                 |                    | = | 0,016     | M  |            |   |                   |   |       |         |      |
|     | Total Berat                                 |                    | = | 1,578     | Kg |            |   |                   |   |       |         |      |
|     | Panjang Memanjang                           |                    | = | 3,46      | M' |            |   |                   |   |       |         |      |
|     | Total Panjang Memanjang                     |                    | = | 34,56     | M' |            |   |                   |   |       |         |      |
|     | Panjang Lebar                               |                    | = | 3,46      | M' |            |   |                   |   |       |         |      |
|     | Total Panjang Lebar                         |                    | = | 34,56     | M' |            |   |                   |   |       |         |      |
|     | Total Panjang Besi                          |                    | = | 69,12     | M' |            |   |                   |   |       |         |      |
|     | Total Berat                                 |                    | = | 109,07    | Kg |            |   |                   |   |       |         |      |
|     | Banyak Pondasi                              |                    | = | 28,00     | Bh |            |   |                   |   |       |         |      |
|     | Total Berat Pondasi 140x140 cm              |                    | = | 3054,00   | Kg |            |   |                   |   |       |         |      |
| 2   | LEHER FOOTPLATE 35/45                       |                    |   |           |    |            |   |                   |   |       |         |      |
| a   | Pek. Bekisting KOLOM                        | P                  | + | L         | x  | T          | x | Q                 |   | =     | 39,44   | M2   |
|     |                                             | 0,70               | + | 0,90      | x  | 1,45       | x | 17,00             | = | 39,44 |         |      |
|     |                                             |                    |   |           |    |            |   | Jumlah Total      | = | 39,44 |         |      |
| b   | Pek. Pembetonan KOLOM                       | P                  | x | L         | x  | T          | x | Q                 |   | =     | 3,88    | M3   |
|     |                                             | 0,35               | x | 0,45      | x  | 1,45       | x | 17,00             | = | 3,88  |         |      |
|     |                                             |                    |   |           |    |            |   | Jumlah Total      | = | 3,88  |         |      |
| c   | Pembesian KOLOM                             |                    |   |           |    |            |   |                   |   | =     | 678,81  | Kg   |
|     | Besi Diameter 16 mm                         |                    |   |           |    |            |   |                   |   |       |         |      |
|     | Tulangan Utama                              |                    |   |           |    |            |   |                   |   |       |         |      |
|     | Panjang                                     |                    | = | 0,35      | M  |            |   |                   |   |       |         |      |
|     | Lebar                                       |                    | = | 0,45      | M  |            |   |                   |   |       |         |      |
|     | Tinggi                                      |                    | = | 1,45      | M  |            |   |                   |   |       |         |      |
|     | Jarak Antar Besi (P)                        |                    | = | 0,125     | M  |            |   |                   |   |       |         |      |
|     | Jarak Antar Besi (L)                        |                    | = | 0,125     | M  |            |   |                   |   |       |         |      |
|     | Jumlah Unit                                 |                    | = | 8,00      | Bh |            |   |                   |   |       |         |      |
|     | Selimut Beton                               |                    | = | 0,025     | M  |            |   |                   |   |       |         |      |
|     | Ukuran besi                                 |                    | = | 0,016     | M  |            |   |                   |   |       |         |      |
|     | Total Berat                                 |                    | = | 1,578     | Kg |            |   |                   |   |       |         |      |
|     | Panjang Tampak Pondasi                      |                    | = | 0,72      | M' |            |   |                   |   |       |         |      |
|     | Panjang Sambungan Dengan Kolom              |                    | = | 0,64      | M' |            |   |                   |   |       |         |      |
|     | Tinggi Sloof                                |                    | = | 0,35      | M' |            |   |                   |   |       |         |      |
|     | Total Panjang Memanjang                     |                    | = | 25,30     | M' |            |   |                   |   |       |         |      |
|     | Total Berat                                 |                    | = | 39,93     | Kg |            |   |                   |   |       |         |      |
|     | Banyak Kolom                                |                    | = | 17,00     | Bh |            |   |                   |   |       |         |      |
|     | Total Berat Tu. Utama Leher Footplate 35/45 |                    | = | 678,81    | Kg |            |   |                   |   |       |         |      |

| NO. | URAIAN PEKERJAAN                               | URAIAN PERHITUNGAN |   |           |    |            |   |                   |   | VOLUME | SAT. |       |
|-----|------------------------------------------------|--------------------|---|-----------|----|------------|---|-------------------|---|--------|------|-------|
|     |                                                | Panjang (P)        |   | Lebar (L) |    | Tinggi (T) |   | Banyak Luasan (Q) |   |        |      | Total |
| 1   | 2                                              | 3                  |   | 4         |    | 5          |   | 6                 |   | 7      | 8    | 9     |
|     | Besi Diameter 10 mm                            |                    |   |           |    |            |   |                   |   |        |      |       |
|     | Panjang                                        |                    | = | 0,35      | M  |            |   |                   |   |        |      |       |
|     | Lebar                                          |                    | = | 0,45      | M  |            |   |                   |   |        |      |       |
|     | Tinggi                                         |                    | = | 1,45      | M  |            |   |                   |   |        |      |       |
|     | Jarak Antar Besi (P)                           |                    | = | 0,15      | M  |            |   |                   |   |        |      |       |
|     | Jarak Antar Besi (L)                           |                    | = | 0,15      | M  |            |   |                   |   |        |      |       |
|     | Jumlah Unit                                    |                    | = | 10,00     | Bh |            |   |                   |   |        |      |       |
|     | Selimut Beton                                  |                    | = | 0,025     | M  |            |   |                   |   |        |      |       |
|     | Ukuran besi                                    |                    | = | 0,010     | M  |            |   |                   |   |        |      |       |
|     | Total Berat                                    |                    | = | 0,617     | Kg |            |   |                   |   |        |      |       |
|     | Panjang Sengkang /Pcs                          |                    | = | 1,42      | M' |            |   |                   |   |        |      |       |
|     | Total Panjang Memanjang                        |                    | = | 14,20     | M' |            |   |                   |   |        |      |       |
|     | Total Berat                                    |                    | = | 8,76      | Kg |            |   |                   |   |        |      |       |
|     | Banyak Pondasi                                 |                    | = | 17,00     | Bh |            |   |                   |   |        |      |       |
|     | Total Berat Tu. Sengkang Leher Footplate 35/45 |                    | = | 148,94    | Kg |            |   |                   |   |        |      |       |
| 3   | LEHER FOOTPLATE 25/25                          |                    |   |           |    |            |   |                   |   |        |      |       |
| a   | Pek. Bekisting KOLOM                           | P                  | + | L         | x  | T          | x | Q                 |   |        |      |       |
|     |                                                | 0,50               | + | 0,50      | x  | 1,45       | x | 7,00              | = | 10,15  |      | M2    |
|     |                                                |                    |   |           |    |            |   | Jumlah Total      | = | 10,15  |      |       |
| b   | Pek. Pembetonan KOLOM                          | P                  | x | L         | x  | T          | x | Q                 |   |        |      |       |
|     |                                                | 0,25               | x | 0,25      | x  | 1,45       | x | 7,00              | = | 0,63   |      | M3    |
|     |                                                |                    |   |           |    |            |   | Jumlah Total      | = | 0,63   |      |       |
| c   | Pembesian KOLOM                                |                    |   |           |    |            |   |                   |   |        |      |       |
|     | Besi Diameter 16 mm                            |                    |   |           |    |            |   |                   |   |        |      |       |
|     | Tulangan Utama                                 |                    |   |           |    |            |   |                   |   |        |      |       |
|     | Panjang                                        |                    | = | 0,25      | M  |            |   |                   |   |        |      |       |
|     | Lebar                                          |                    | = | 0,25      | M  |            |   |                   |   |        |      |       |
|     | Tinggi                                         |                    | = | 1,45      | M  |            |   |                   |   |        |      |       |
|     | Jarak Antar Besi (P)                           |                    | = | 0,125     | M  |            |   |                   |   |        |      |       |
|     | Jarak Antar Besi (L)                           |                    | = | 0,125     | M  |            |   |                   |   |        |      |       |
|     | Jumlah Unit                                    |                    | = | 4,00      | Bh |            |   |                   |   |        |      |       |
|     | Selimut Beton                                  |                    | = | 0,025     | M  |            |   |                   |   |        |      |       |
|     | Ukuran besi                                    |                    | = | 0,016     | M  |            |   |                   |   |        |      |       |
|     | Total Berat                                    |                    | = | 1,578     | Kg |            |   |                   |   |        |      |       |
|     | Panjang Tampak Pondasi                         |                    | = | 0,72      | M' |            |   |                   |   |        |      |       |
|     | Panjang Sambungan Dengan Kolom                 |                    | = | 0,64      | M' |            |   |                   |   |        |      |       |
|     | Tinggi Sloof                                   |                    | = | 0,35      | M' |            |   |                   |   |        |      |       |
|     | Total Panjang Memanjang                        |                    | = | 12,65     | M' |            |   |                   |   |        |      |       |
|     | Total Berat                                    |                    | = | 19,96     | Kg |            |   |                   |   |        |      |       |
|     | Banyak Kolom                                   |                    | = | 7,00      | Bh |            |   |                   |   |        |      |       |
|     | Total Berat Tu. Utama Leher Footplate 25/25    |                    | = | 139,75    | Kg |            |   |                   |   |        |      |       |
|     | Besi Diameter 10 mm                            |                    |   |           |    |            |   |                   |   |        |      |       |
|     | Panjang                                        |                    | = | 0,25      | M  |            |   |                   |   |        |      |       |
|     | Lebar                                          |                    | = | 0,25      | M  |            |   |                   |   |        |      |       |
|     | Tinggi                                         |                    | = | 1,45      | M  |            |   |                   |   |        |      |       |
|     | Jarak Antar Besi (P)                           |                    | = | 0,15      | M  |            |   |                   |   |        |      |       |
|     | Jarak Antar Besi (L)                           |                    | = | 0,15      | M  |            |   |                   |   |        |      |       |
|     | Jumlah Unit                                    |                    | = | 10,00     | Bh |            |   |                   |   |        |      |       |
|     | Selimut Beton                                  |                    | = | 0,025     | M  |            |   |                   |   |        |      |       |
|     | Ukuran besi                                    |                    | = | 0,010     | M  |            |   |                   |   |        |      |       |
|     | Total Berat                                    |                    | = | 0,617     | Kg |            |   |                   |   |        |      |       |
|     | Panjang Sengkang /Pcs                          |                    | = | 0,82      | M' |            |   |                   |   |        |      |       |
|     | Total Panjang Memanjang                        |                    | = | 8,20      | M' |            |   |                   |   |        |      |       |
|     | Total Berat                                    |                    | = | 5,06      | Kg |            |   |                   |   |        |      |       |
|     | Banyak Pondasi                                 |                    | = | 7,00      | Bh |            |   |                   |   |        |      |       |
|     | Total Berat Tu. Sengkang Leher Footplate 25/25 |                    | = | 35,42     | Kg |            |   |                   |   |        |      |       |
| 4   | LEHER FOOTPLATE 35/40                          |                    |   |           |    |            |   |                   |   |        |      |       |
| a   | Pek. Bekisting KOLOM                           | P                  | + | L         | x  | T          | x | Q                 |   |        |      |       |
|     |                                                | 0,70               | + | 0,80      | x  | 1,45       | x | 4,00              | = | 8,70   |      | M2    |
|     |                                                |                    |   |           |    |            |   | Jumlah Total      | = | 8,70   |      |       |
| b   | Pek. Pembetonan KOLOM                          | P                  | x | L         | x  | T          | x | Q                 |   |        |      |       |
|     |                                                | 0,35               | x | 0,40      | x  | 1,45       | x | 4,00              | = | 0,81   |      | M3    |
|     |                                                |                    |   |           |    |            |   | Jumlah Total      | = | 0,81   |      |       |
| c   | Pembesian KOLOM                                |                    |   |           |    |            |   |                   |   |        |      |       |
|     | Besi Diameter 12 mm                            |                    |   |           |    |            |   |                   |   |        |      |       |
|     | Tulangan Utama                                 |                    |   |           |    |            |   |                   |   |        |      |       |
|     | Panjang                                        |                    | = | 0,35      | M  |            |   |                   |   |        |      |       |
|     | Lebar                                          |                    | = | 0,40      | M  |            |   |                   |   |        |      |       |
|     | Tinggi                                         |                    | = | 1,45      | M  |            |   |                   |   |        |      |       |
|     | Jarak Antar Besi (P)                           |                    | = | 0,125     | M  |            |   |                   |   |        |      |       |
|     | Jarak Antar Besi (L)                           |                    | = | 0,125     | M  |            |   |                   |   |        |      |       |
|     | Jumlah Unit                                    |                    | = | 4,00      | Bh |            |   |                   |   |        |      |       |
|     | Selimut Beton                                  |                    | = | 0,025     | M  |            |   |                   |   |        |      |       |
|     | Ukuran besi                                    |                    | = | 0,012     | M  |            |   |                   |   |        |      |       |
|     | Total Berat                                    |                    | = | 0,888     | Kg |            |   |                   |   |        |      |       |
|     | Panjang Tampak Pondasi                         |                    | = | 0,61      | M' |            |   |                   |   |        |      |       |
|     | Panjang Sambungan Dengan Kolom                 |                    | = | 0,48      | M' |            |   |                   |   |        |      |       |
|     | Tinggi Sloof                                   |                    | = | 0,35      | M' |            |   |                   |   |        |      |       |
|     | Total Panjang Memanjang                        |                    | = | 11,56     | M' |            |   |                   |   |        |      |       |
|     | Total Berat                                    |                    | = | 10,27     | Kg |            |   |                   |   |        |      |       |
|     | Banyak Kolom                                   |                    | = | 4,00      | Bh |            |   |                   |   |        |      |       |
|     | Total Berat Tu. Utama Leher Footplate 35/40    |                    | = | 41,08     | Kg |            |   |                   |   |        |      |       |

| NO. | URAIAN PEKERJAAN                               | URAIAN PERHITUNGAN |       |           |    |            |                   | VOLUME       | SAT.  |       |        |    |  |
|-----|------------------------------------------------|--------------------|-------|-----------|----|------------|-------------------|--------------|-------|-------|--------|----|--|
|     |                                                | Panjang (P)        |       | Lebar (L) |    | Tinggi (T) | Banyak Luasan (Q) |              |       | Total |        |    |  |
| 1   | 2                                              | 3                  |       | 4         |    | 5          |                   | 6            |       | 7     | 8      | 9  |  |
|     | Besi Diameter 8 mm                             |                    |       |           |    |            |                   |              |       | =     | 20,79  | Kg |  |
|     | Panjang                                        |                    | =     | 0,35      | M  |            |                   |              |       |       |        |    |  |
|     | Lebar                                          |                    | =     | 0,40      | M  |            |                   |              |       |       |        |    |  |
|     | Tinggi                                         |                    | =     | 1,45      | M  |            |                   |              |       |       |        |    |  |
|     | Jarak Antar Besi (P)                           |                    | =     | 0,15      | M  |            |                   |              |       |       |        |    |  |
|     | Jarak Antar Besi (L)                           |                    | =     | 0,15      | M  |            |                   |              |       |       |        |    |  |
|     | Jumlah Unit                                    |                    | =     | 10,00     | Bh |            |                   |              |       |       |        |    |  |
|     | Selimut Beton                                  |                    | =     | 0,025     | M  |            |                   |              |       |       |        |    |  |
|     | Ukuran besi                                    |                    | =     | 0,008     | M  |            |                   |              |       |       |        |    |  |
|     | Total Berat                                    |                    | =     | 0,395     | Kg |            |                   |              |       |       |        |    |  |
|     | Panjang Sengkang /Pcs                          |                    | =     | 1,32      | M' |            |                   |              |       |       |        |    |  |
|     | Total Panjang Memanjang                        |                    | =     | 13,16     | M' |            |                   |              |       |       |        |    |  |
|     | Total Berat                                    |                    | =     | 5,20      | Kg |            |                   |              |       |       |        |    |  |
|     | Banyak Pondasi                                 |                    | =     | 4,00      | Bh |            |                   |              |       |       |        |    |  |
|     | Total Berat Tu. Sengkang Leher Footplate 35/40 |                    | =     | 20,79     | Kg |            |                   |              |       |       |        |    |  |
| 5   | SLOOP 25/35                                    |                    |       |           |    |            |                   |              |       |       |        |    |  |
| a   | Pek. Bekisting Sloop                           | Panjang            |       |           |    |            |                   |              |       | =     | 57,61  | M2 |  |
|     |                                                | x                  | 40,00 |           |    |            |                   |              |       |       |        |    |  |
|     |                                                |                    | 2,75  |           |    |            |                   |              |       |       |        |    |  |
|     |                                                |                    | 9,30  |           |    |            |                   |              |       |       |        |    |  |
|     |                                                | y                  | 20,55 |           |    |            |                   |              |       |       |        |    |  |
|     |                                                |                    | 5,10  |           |    |            |                   |              |       |       |        |    |  |
|     |                                                |                    | 4,60  |           |    |            |                   |              |       |       |        |    |  |
|     |                                                | T. Panjang         | 82,30 |           |    |            |                   |              |       |       |        |    |  |
|     |                                                | P                  |       |           | x  | T          | x                 | Sisi         |       |       |        |    |  |
|     |                                                | Total              | 82,30 |           | x  | 0,35       | x                 | 2,00         | =     | 57,61 |        |    |  |
|     |                                                |                    |       |           |    |            | Jumlah Total      | =            | 57,61 |       |        |    |  |
| b   | Pek. Pembetonan Sloop                          | P                  | x     | L         | x  | T          | x                 | Q            | =     | 7,20  | M3     |    |  |
|     |                                                | 82,30              | x     | 0,25      | x  | 0,35       | x                 | 1,00         | =     | 7,20  |        |    |  |
|     |                                                |                    |       |           |    |            |                   | Jumlah Total | =     | 7,20  |        |    |  |
| c   | Pek. Pembesian Sloop                           |                    |       |           |    |            |                   |              |       |       |        |    |  |
|     | Besi Diameter 12 mm                            |                    |       |           |    |            |                   |              |       | =     | 438,49 | Kg |  |
|     | Tulangan Utama                                 |                    |       |           |    |            |                   |              |       |       |        |    |  |
|     | Panjang                                        |                    | =     | 82,30     | M  |            |                   |              |       |       |        |    |  |
|     | Lebar                                          |                    | =     | 0,25      | M  |            |                   |              |       |       |        |    |  |
|     | Tinggi                                         |                    | =     | 0,35      | M  |            |                   |              |       |       |        |    |  |
|     | Jumlah Besi                                    |                    |       |           |    |            |                   |              |       |       |        |    |  |
|     | Tumpuan                                        |                    |       |           |    |            |                   |              |       |       |        |    |  |
|     | Atas                                           |                    | =     | 3,00      | Bh |            |                   |              |       |       |        |    |  |
|     | Tengah                                         |                    | =     | 0,00      | Bh |            |                   |              |       |       |        |    |  |
|     | Bawah                                          |                    | =     | 3,00      | Bh |            |                   |              |       |       |        |    |  |
|     | Lapangan                                       |                    |       |           |    |            |                   |              |       |       |        |    |  |
|     | Atas                                           |                    | =     | 3,00      | Bh |            |                   |              |       |       |        |    |  |
|     | Tengah                                         |                    | =     | 0,00      | Bh |            |                   |              |       |       |        |    |  |
|     | Bawah                                          |                    | =     | 3,00      | Bh |            |                   |              |       |       |        |    |  |
|     | Selimut Beton                                  |                    | =     | 0,025     | M  |            |                   |              |       |       |        |    |  |
|     | Ukuran besi                                    |                    | =     | 0,012     | M  |            |                   |              |       |       |        |    |  |
|     | Total Berat                                    |                    | =     | 0,888     | Kg |            |                   |              |       |       |        |    |  |
|     | Panjang Tulangan Atas                          |                    | =     | 82,30     | M' |            |                   |              |       |       |        |    |  |
|     | Panjang Tulangan Tengah Tumpuan                |                    | =     | 0,00      | M' |            |                   |              |       |       |        |    |  |
|     | Panjang Tulangan Tengah                        |                    | =     | 0,00      | M' |            |                   |              |       |       |        |    |  |
|     | Panjang Tulangan Tengah Lapangan               |                    | =     | 0,00      | M' |            |                   |              |       |       |        |    |  |
|     | Panjang Tulangan Bawah                         |                    | =     | 82,30     | M' |            |                   |              |       |       |        |    |  |
|     | Panjang Total Tulangan Atas                    |                    | =     | 246,90    | M' |            |                   |              |       |       |        |    |  |
|     | Panjang Total Tulangan Tengah Tumpuan          |                    | =     | 0,00      | M' |            |                   |              |       |       |        |    |  |
|     | Panjang Total Tulangan Tengah                  |                    | =     | 0,00      | M' |            |                   |              |       |       |        |    |  |
|     | Panjang Total Tulangan Tengah Lapangan         |                    | =     | 0,00      | M' |            |                   |              |       |       |        |    |  |
|     | Panjang Total Tulangan Bawah                   |                    | =     | 246,90    | M' |            |                   |              |       |       |        |    |  |
|     | Panjang Total Keseluruhan                      |                    | =     | 493,80    | M' |            |                   |              |       |       |        |    |  |
|     | Total Berat Tu. Utama Sloof 25/35              |                    | =     | 438,49    | Kg |            |                   |              |       |       |        |    |  |
|     | Besi Diameter 10 mm                            |                    |       |           |    |            |                   |              |       | =     | 101,56 | Kg |  |
|     | Tulangan Utama                                 |                    |       |           |    |            |                   |              |       |       |        |    |  |
|     | Panjang                                        |                    | =     | 82,30     | M  |            |                   |              |       |       |        |    |  |
|     | Lebar                                          |                    | =     | 0,25      | M  |            |                   |              |       |       |        |    |  |
|     | Tinggi                                         |                    | =     | 0,35      | M  |            |                   |              |       |       |        |    |  |
|     | Jumlah Besi                                    |                    |       |           |    |            |                   |              |       |       |        |    |  |
|     | Tumpuan                                        |                    |       |           |    |            |                   |              |       |       |        |    |  |
|     | Atas                                           |                    | =     | 0,00      | Bh |            |                   |              |       |       |        |    |  |
|     | Tengah                                         |                    | =     | 1,00      | Bh |            |                   |              |       |       |        |    |  |
|     | Bawah                                          |                    | =     | 0,00      | Bh |            |                   |              |       |       |        |    |  |
|     | Lapangan                                       |                    |       |           |    |            |                   |              |       |       |        |    |  |
|     | Atas                                           |                    | =     | 0,00      | Bh |            |                   |              |       |       |        |    |  |
|     | Tengah                                         |                    | =     | 1,00      | Bh |            |                   |              |       |       |        |    |  |
|     | Bawah                                          |                    | =     | 0,00      | Bh |            |                   |              |       |       |        |    |  |
|     | Selimut Beton                                  |                    | =     | 0,025     | M  |            |                   |              |       |       |        |    |  |
|     | Ukuran besi                                    |                    | =     | 0,010     | M  |            |                   |              |       |       |        |    |  |
|     | Total Berat                                    |                    | =     | 0,617     | Kg |            |                   |              |       |       |        |    |  |

| NO. | URAIAN PEKERJAAN                       | URAIAN PERHITUNGAN |   |           |      |            |                   |      | VOLUME | SAT.   |
|-----|----------------------------------------|--------------------|---|-----------|------|------------|-------------------|------|--------|--------|
|     |                                        | Panjang (P)        |   | Lebar (L) |      | Tinggi (T) | Banyak Luasan (Q) |      | Total  |        |
| 1   | 2                                      | 3                  |   | 4         |      | 5          | 6                 |      | 7      | 8      |
|     | Panjang Tulangan Atas                  | =                  |   | 0,00      | M'   |            |                   |      |        |        |
|     | Panjang Tulangan Tengah Tumpuan        | =                  |   | 82,30     | M'   |            |                   |      |        |        |
|     | Panjang Tulangan Tengah                | =                  |   | 0,00      | M'   |            |                   |      |        |        |
|     | Panjang Tulangan Tengah Lapangan       | =                  |   | 82,30     | M'   |            |                   |      |        |        |
|     | Panjang Tulangan Bawah                 | =                  |   | 0,00      | M'   |            |                   |      |        |        |
|     | Panjang Total Tulangan Atas            | =                  |   | 0,00      | M'   |            |                   |      |        |        |
|     | Panjang Total Tulangan Tengah Tumpuan  | =                  |   | 82,30     | M'   |            |                   |      |        |        |
|     | Panjang Total Tulangan Tengah          | =                  |   | 0,00      | M'   |            |                   |      |        |        |
|     | Panjang Total Tulangan Tengah Lapangan | =                  |   | 82,30     | M'   |            |                   |      |        |        |
|     | Panjang Total Tulangan Bawah           | =                  |   | 0,00      | M'   |            |                   |      |        |        |
|     | Panjang Total Keseluruhan              | =                  |   | 164,60    | M'   |            |                   |      |        |        |
|     | Total Berat Tu. Utama Sloof 25/35      | =                  |   | 101,56    | Kg   |            |                   |      |        |        |
|     | Besi Diameter 6 mm                     |                    |   |           |      |            |                   |      | =      | 136,42 |
|     | Tulangan Sengkang                      |                    |   |           |      |            |                   |      |        |        |
|     | Panjang                                | =                  |   | 82,30     | M    |            |                   |      |        |        |
|     | Lebar                                  | =                  |   | 0,25      | M    |            |                   |      |        |        |
|     | Tinggi                                 | =                  |   | 0,35      | M    |            |                   |      |        |        |
|     | Jarak Antar Tulangan                   | =                  |   | 0,15      | M    |            |                   |      |        |        |
|     | Jumlah Unit                            | =                  |   | 549       | Bh   |            |                   |      |        |        |
|     | Selimut Beton                          | =                  |   | 0,025     | M    |            |                   |      |        |        |
|     | Ukuran besi                            | =                  |   | 0,006     | M    |            |                   |      |        |        |
|     | Total Berat                            | =                  |   | 0,222     | Kg   |            |                   |      |        |        |
|     | Panjang Memanjang                      | =                  |   | 1,12      | M'   |            |                   |      |        |        |
|     | Total Panjang Memanjang                | =                  |   | 614,51    | M'   |            |                   |      |        |        |
|     | Total Berat Tu. Sengkang Sloof         | =                  |   | 136,42    | Kg   |            |                   |      |        |        |
| 6   | SLOOP 25/30                            |                    |   |           |      |            |                   |      |        |        |
| a   | Pek. Bekisting Sloop                   | P                  |   | x         | T    | x          | Sisi              |      | =      | 15,84  |
|     | Arah X                                 | 20,00              |   |           |      |            |                   |      |        |        |
|     | Arah Y                                 | 6,40               |   |           |      |            |                   |      |        |        |
|     | Total                                  | 26,40              |   | x         | 0,30 | x          | 2,00              | =    | 15,84  |        |
|     |                                        |                    |   |           |      |            | Jumlah Total      | =    | 15,84  |        |
| b   | Pek. Pembetonan Sloop                  | P                  | x | L         | x    | T          | x                 | Q    | =      | 1,98   |
|     |                                        | 26,40              | x | 0,25      | x    | 0,30       | x                 | 1,00 | =      | 1,98   |
|     |                                        |                    |   |           |      |            | Jumlah Total      | =    | 1,98   |        |
| c   | Pek. Pembesian Sloop                   |                    |   |           |      |            |                   |      |        |        |
|     | Besi Diameter 12 mm                    |                    |   |           |      |            |                   |      | =      | 140,66 |
|     | Tulangan Utama                         |                    |   |           |      |            |                   |      |        |        |
|     | Panjang                                | =                  |   | 26,40     | M    |            |                   |      |        |        |
|     | Lebar                                  | =                  |   | 0,25      | M    |            |                   |      |        |        |
|     | Tinggi                                 | =                  |   | 0,30      | M    |            |                   |      |        |        |
|     | Jumlah Besi                            |                    |   |           |      |            |                   |      |        |        |
|     | Tumpuan                                |                    |   |           |      |            |                   |      |        |        |
|     | Atas                                   | =                  |   | 3,00      | Bh   |            |                   |      |        |        |
|     | Tengah                                 | =                  |   | 0,00      | Bh   |            |                   |      |        |        |
|     | Bawah                                  | =                  |   | 3,00      | Bh   |            |                   |      |        |        |
|     | Lapangan                               |                    |   |           |      |            |                   |      |        |        |
|     | Atas                                   | =                  |   | 3,00      | Bh   |            |                   |      |        |        |
|     | Tengah                                 | =                  |   | 0,00      | Bh   |            |                   |      |        |        |
|     | Bawah                                  | =                  |   | 3,00      | Bh   |            |                   |      |        |        |
|     | Selimut Beton                          | =                  |   | 0,025     | M    |            |                   |      |        |        |
|     | Ukuran besi                            | =                  |   | 0,012     | M    |            |                   |      |        |        |
|     | Total Berat                            | =                  |   | 0,888     | Kg   |            |                   |      |        |        |
|     | Panjang Tulangan Atas                  | =                  |   | 26,40     | M'   |            |                   |      |        |        |
|     | Panjang Tulangan Tengah Tumpuan        | =                  |   | 0,00      | M'   |            |                   |      |        |        |
|     | Panjang Tulangan Tengah                | =                  |   | 0,00      | M'   |            |                   |      |        |        |
|     | Panjang Tulangan Tengah Lapangan       | =                  |   | 0,00      | M'   |            |                   |      |        |        |
|     | Panjang Tulangan Bawah                 | =                  |   | 26,40     | M'   |            |                   |      |        |        |
|     | Panjang Total Tulangan Atas            | =                  |   | 79,20     | M'   |            |                   |      |        |        |
|     | Panjang Total Tulangan Tengah Tumpuan  | =                  |   | 0,00      | M'   |            |                   |      |        |        |
|     | Panjang Total Tulangan Tengah          | =                  |   | 0,00      | M'   |            |                   |      |        |        |
|     | Panjang Total Tulangan Tengah Lapangan | =                  |   | 0,00      | M'   |            |                   |      |        |        |
|     | Panjang Total Tulangan Bawah           | =                  |   | 79,20     | M'   |            |                   |      |        |        |
|     | Panjang Total Keseluruhan              | =                  |   | 158,40    | M'   |            |                   |      |        |        |
|     | Total Berat Tu. Utama Sloof 25/30      | =                  |   | 140,66    | Kg   |            |                   |      |        |        |
|     | Besi Diameter 6 mm                     |                    |   |           |      |            |                   |      | =      | 39,85  |
|     | Tulangan Sengkang                      |                    |   |           |      |            |                   |      |        |        |
|     | Panjang                                | =                  |   | 26,40     | M    |            |                   |      |        |        |
|     | Lebar                                  | =                  |   | 0,25      | M    |            |                   |      |        |        |
|     | Tinggi                                 | =                  |   | 0,30      | M    |            |                   |      |        |        |
|     | Jarak Antar Tulangan                   | =                  |   | 0,15      | M    |            |                   |      |        |        |
|     | Jumlah Unit                            | =                  |   | 176       | Bh   |            |                   |      |        |        |
|     | Selimut Beton                          | =                  |   | 0,025     | M    |            |                   |      |        |        |
|     | Ukuran besi                            | =                  |   | 0,006     | M    |            |                   |      |        |        |
|     | Total Berat                            | =                  |   | 0,222     | Kg   |            |                   |      |        |        |
|     | Panjang Memanjang                      | =                  |   | 1,02      | M'   |            |                   |      |        |        |
|     | Total Panjang Memanjang                | =                  |   | 179,52    | M'   |            |                   |      |        |        |
|     | Total Berat Tu. Sengkang Sloof         | =                  |   | 39,85     | Kg   |            |                   |      |        |        |

| NO. | URAIAN PEKERJAAN                       | URAIAN PERHITUNGAN |   |           |    |            |                   |              | VOLUME | SAT.   |         |    |
|-----|----------------------------------------|--------------------|---|-----------|----|------------|-------------------|--------------|--------|--------|---------|----|
|     |                                        | Panjang (P)        |   | Lebar (L) |    | Tinggi (T) | Banyak Luasan (Q) |              |        |        | Total   |    |
| 1   | 2                                      | 3                  |   | 4         |    | 5          |                   | 6            |        | 7      | 8       | 9  |
| 7   | SLOOP 15/20                            |                    |   |           |    |            |                   |              |        |        |         |    |
| a   | Pek. Bekisting Sloop                   | Panjang            |   |           |    |            |                   |              |        | =      | 1,82    | M2 |
|     |                                        | x                  |   |           |    |            |                   |              |        |        |         |    |
|     |                                        | 2,75               |   |           |    |            |                   |              |        |        |         |    |
|     |                                        | y                  |   |           |    |            |                   |              |        |        |         |    |
|     |                                        | 1,80               |   |           |    |            |                   |              |        |        |         |    |
|     | T. Panjang                             | 4,55               |   |           |    |            |                   |              |        |        |         |    |
|     |                                        | P                  |   |           |    |            |                   |              |        |        |         |    |
|     |                                        | 4,55               |   |           |    |            |                   |              |        |        |         |    |
|     | Total                                  | 4,55               |   |           | x  | T          | x                 | Sisi         |        |        |         |    |
|     |                                        |                    |   |           | x  | 0,20       | x                 | 2,00         | =      | 1,82   |         |    |
|     |                                        |                    |   |           |    |            |                   | Jumlah Total | =      | 1,82   |         |    |
| b   | Pek. Pembetonan Sloop                  | P                  | x | L         | x  | T          | x                 | Q            |        | =      | 0,14    | M3 |
|     |                                        | 4,55               | x | 0,15      | x  | 0,20       | x                 | 1,00         | =      | 0,14   |         |    |
|     |                                        |                    |   |           |    |            |                   | Jumlah Total | =      | 0,14   |         |    |
| c   | Pek. Pembesian Sloop                   |                    |   |           |    |            |                   |              |        |        |         |    |
|     | Besi Diameter 10 mm                    |                    |   |           |    |            |                   |              |        | =      | 11,23   | Kg |
|     | Tulangan Utama                         |                    |   |           |    |            |                   |              |        |        |         |    |
|     | Panjang                                |                    | = | 4,55      | M  |            |                   |              |        |        |         |    |
|     | Lebar                                  |                    | = | 0,15      | M  |            |                   |              |        |        |         |    |
|     | Tinggi                                 |                    | = | 0,20      | M  |            |                   |              |        |        |         |    |
|     | Jumlah Besi                            |                    |   |           |    |            |                   |              |        |        |         |    |
|     | Tumpuan                                |                    |   |           |    |            |                   |              |        |        |         |    |
|     | Atas                                   |                    | = | 2,00      | Bh |            |                   |              |        |        |         |    |
|     | Tengah                                 |                    | = | 0,00      | Bh |            |                   |              |        |        |         |    |
|     | Bawah                                  |                    | = | 2,00      | Bh |            |                   |              |        |        |         |    |
|     | Lapangan                               |                    |   |           |    |            |                   |              |        |        |         |    |
|     | Atas                                   |                    | = | 2,00      | Bh |            |                   |              |        |        |         |    |
|     | Tengah                                 |                    | = | 0,00      | Bh |            |                   |              |        |        |         |    |
|     | Bawah                                  |                    | = | 2,00      | Bh |            |                   |              |        |        |         |    |
|     | Selimit Beton                          |                    | = | 0,025     | M  |            |                   |              |        |        |         |    |
|     | Ukuran besi                            |                    | = | 0,010     | M  |            |                   |              |        |        |         |    |
|     | Total Berat                            |                    | = | 0,617     | Kg |            |                   |              |        |        |         |    |
|     | Panjang Tulangan Atas                  |                    | = | 4,55      | M' |            |                   |              |        |        |         |    |
|     | Panjang Tulangan Tengah Tumpuan        |                    | = | 0,00      | M' |            |                   |              |        |        |         |    |
|     | Panjang Tulangan Tengah                |                    | = | 0,00      | M' |            |                   |              |        |        |         |    |
|     | Panjang Tulangan Tengah Lapangan       |                    | = | 0,00      | M' |            |                   |              |        |        |         |    |
|     | Panjang Tulangan Bawah                 |                    | = | 4,55      | M' |            |                   |              |        |        |         |    |
|     | Panjang Total Tulangan Atas            |                    | = | 9,10      | M' |            |                   |              |        |        |         |    |
|     | Panjang Total Tulangan Tengah Tumpuan  |                    | = | 0,00      | M' |            |                   |              |        |        |         |    |
|     | Panjang Total Tulangan Tengah          |                    | = | 0,00      | M' |            |                   |              |        |        |         |    |
|     | Panjang Total Tulangan Tengah Lapangan |                    | = | 0,00      | M' |            |                   |              |        |        |         |    |
|     | Panjang Total Tulangan Bawah           |                    | = | 9,10      | M' |            |                   |              |        |        |         |    |
|     | Panjang Total Keseluruhan              |                    | = | 18,20     | M' |            |                   |              |        |        |         |    |
|     | Total Berat Tu. Utama Sloop 15/20      |                    | = | 11,23     | Kg |            |                   |              |        |        |         |    |
|     | Besi Diameter 6 mm                     |                    |   |           |    |            |                   |              |        | =      | 4,18    | Kg |
|     | Tulangan Senggang                      |                    |   |           |    |            |                   |              |        |        |         |    |
|     | Panjang                                |                    | = | 4,55      | M  |            |                   |              |        |        |         |    |
|     | Lebar                                  |                    | = | 0,15      | M  |            |                   |              |        |        |         |    |
|     | Tinggi                                 |                    | = | 0,20      | M  |            |                   |              |        |        |         |    |
|     | Jarak Antar Tulangan                   |                    | = | 0,15      | M  |            |                   |              |        |        |         |    |
|     | Jumlah Unit                            |                    | = | 30        | Bh |            |                   |              |        |        |         |    |
|     | Selimit Beton                          |                    | = | 0,025     | M  |            |                   |              |        |        |         |    |
|     | Ukuran besi                            |                    | = | 0,006     | M  |            |                   |              |        |        |         |    |
|     | Total Berat                            |                    | = | 0,222     | Kg |            |                   |              |        |        |         |    |
|     | Panjang Memanjang                      |                    | = | 0,62      | M' |            |                   |              |        |        |         |    |
|     | Total Panjang Memanjang                |                    | = | 18,81     | M' |            |                   |              |        |        |         |    |
|     | Total Berat Tu. Senggang Sloop         |                    | = | 4,18      | Kg |            |                   |              |        |        |         |    |
| 8   | Kolom 35/45                            |                    |   |           |    |            |                   |              |        |        |         |    |
| a   | Pek. Bekisting KOLOM                   | P                  | + | L         | x  | T          | x                 | Q            |        | =      | 50,32   | M2 |
|     |                                        | 0,70               | + | 0,90      | x  | 3,70       | x                 | 17,00        | =      | 100,64 |         |    |
|     |                                        |                    |   |           |    |            |                   | Total        | =      | 100,64 |         |    |
|     | Bekisting 2 Kali Pakai                 | 100,64             | / | 2,00      |    |            |                   |              | =      | 50,32  |         |    |
|     |                                        |                    |   |           |    |            |                   | Jumlah Total | =      | 50,32  |         |    |
| b   | Pek. Pembetonan KOLOM                  | P                  | x | L         | x  | T          | x                 | Q            |        | =      | 9,91    | M3 |
|     |                                        | 0,35               | x | 0,45      | x  | 3,70       | x                 | 17,00        | =      | 9,91   |         |    |
|     |                                        |                    |   |           |    |            |                   | Jumlah Total | =      | 9,91   |         |    |
| c   | Pembesian KOLOM                        |                    |   |           |    |            |                   |              |        |        |         |    |
|     | Besi Diameter 16 mm                    |                    |   |           |    |            |                   |              |        | =      | 1038,70 | Kg |
|     | Tulangan Utama                         |                    |   |           |    |            |                   |              |        |        |         |    |
|     | Panjang                                |                    | = | 0,35      | M  |            |                   |              |        |        |         |    |
|     | Lebar                                  |                    | = | 0,45      | M  |            |                   |              |        |        |         |    |
|     | Tinggi                                 |                    | = | 3,70      | M  |            |                   |              |        |        |         |    |
|     | Jarak Antar Besi (P)                   |                    | = | 0,125     | M  |            |                   |              |        |        |         |    |
|     | Jarak Antar Besi (L)                   |                    | = | 0,125     | M  |            |                   |              |        |        |         |    |
|     | Jumlah Unit                            |                    | = | 8,00      | Bh |            |                   |              |        |        |         |    |
|     | Selimit Beton                          |                    | = | 0,025     | M  |            |                   |              |        |        |         |    |
|     | Ukuran besi                            |                    | = | 0,016     | M  |            |                   |              |        |        |         |    |
|     | Total Berat                            |                    | = | 1,578     | Kg |            |                   |              |        |        |         |    |
|     | Panjang Sambungan Balok                |                    | = | 0,50      | M' |            |                   |              |        |        |         |    |
|     | Panjang Sambungan Dengan Kolom         |                    | = | 0,64      | M' |            |                   |              |        |        |         |    |
|     | Tinggi Sloop                           |                    | = | 0,00      | M' |            |                   |              |        |        |         |    |
|     | Total Panjang Memanjang                |                    | = | 38,72     | M' |            |                   |              |        |        |         |    |
|     | Total Berat                            |                    | = | 61,10     | Kg |            |                   |              |        |        |         |    |
|     | Banyak Kolom                           |                    | = | 17,00     | Bh |            |                   |              |        |        |         |    |
|     | Total Berat Tu. Utama Kolom 35/45      |                    | = | 1038,70   | Kg |            |                   |              |        |        |         |    |

| NO.                               | URAIAN PEKERJAAN                     | URAIAN PERHITUNGAN |        |           |    |            |                   |              | VOLUME | SAT.  |       |       |    |
|-----------------------------------|--------------------------------------|--------------------|--------|-----------|----|------------|-------------------|--------------|--------|-------|-------|-------|----|
|                                   |                                      | Panjang (P)        |        | Lebar (L) |    | Tinggi (T) | Banyak Luasan (Q) |              |        |       | Total |       |    |
| 1                                 | 2                                    | 3                  |        | 4         |    | 5          |                   | 6            |        | 7     |       | 8     | 9  |
|                                   | Besi Diameter 10 mm                  |                    |        |           |    |            |                   |              |        |       |       |       |    |
|                                   | Panjang                              |                    | =      | 0,35      | M  |            |                   |              |        |       |       |       |    |
|                                   | Lebar                                |                    | =      | 0,45      | M  |            |                   |              |        |       |       |       |    |
|                                   | Tinggi                               |                    | =      | 3,70      | M  |            |                   |              |        |       |       |       |    |
|                                   | Jarak Antar Besi (P)                 |                    | =      | 0,15      | M  |            |                   |              |        |       |       |       |    |
|                                   | Jarak Antar Besi (L)                 |                    | =      | 0,15      | M  |            |                   |              |        |       |       |       |    |
|                                   | Jumlah Unit                          |                    | =      | 25,00     | Bh |            |                   |              |        |       |       |       |    |
|                                   | Selimut Beton                        |                    | =      | 0,025     | M  |            |                   |              |        |       |       |       |    |
|                                   | Ukuran besi                          |                    | =      | 0,010     | M  |            |                   |              |        |       |       |       |    |
|                                   | Total Berat                          |                    | =      | 0,617     | Kg |            |                   |              |        |       |       |       |    |
|                                   | Panjang Sengkang /Pcs                |                    | =      | 1,42      | M' |            |                   |              |        |       |       |       |    |
|                                   | Total Panjang Memanjang              |                    | =      | 35,50     | M' |            |                   |              |        |       |       |       |    |
|                                   | Total Berat                          |                    | =      | 21,90     | Kg |            |                   |              |        |       |       |       |    |
|                                   | Banyak Pondasi                       |                    | =      | 17,00     | Bh |            |                   |              |        |       |       |       |    |
|                                   | Total Berat Tu. Sengkang kolom 35/45 |                    | =      | 372,36    | Kg |            |                   |              |        |       |       |       |    |
| 9                                 | Kolom 25/25                          |                    |        |           |    |            |                   |              |        |       |       |       |    |
| a                                 | Pek. Bekisting KOLOM                 | P                  | +      | L         | x  | T          | x                 | Q            |        |       |       |       |    |
|                                   |                                      | 0,50               | +      | 0,50      | x  | 3,95       | x                 | 7,00         | =      | 27,65 | =     | 13,83 | M2 |
|                                   |                                      |                    |        |           |    |            |                   | Total        | =      | 27,65 |       |       |    |
|                                   | Bekisting 2 Kali Pakai               | 27,65              | /      | 2,00      |    |            |                   | Jumlah Total | =      | 13,83 |       |       |    |
| b                                 | Pek. Pembetonan KOLOM                | P                  | x      | L         | x  | T          | x                 | Q            |        |       |       |       |    |
|                                   |                                      | 0,25               | x      | 0,25      | x  | 3,95       | x                 | 7,00         | =      | 1,73  | =     | 1,73  | M3 |
|                                   |                                      |                    |        |           |    |            |                   | Jumlah Total | =      | 1,73  |       |       |    |
|                                   | c                                    | Pembesian KOLOM    |        |           |    |            |                   |              |        |       |       |       |    |
| Besi Diameter 16 mm               |                                      |                    |        |           |    |            |                   |              |        |       |       |       |    |
| Tulangan Utama                    |                                      |                    |        |           |    |            |                   |              |        |       |       |       |    |
| Panjang                           |                                      |                    | =      | 0,25      | M  |            |                   |              |        |       |       |       |    |
| Lebar                             |                                      |                    | =      | 0,25      | M  |            |                   |              |        |       |       |       |    |
| Tinggi                            |                                      |                    | =      | 3,95      | M  |            |                   |              |        |       |       |       |    |
| Jarak Antar Besi (P)              |                                      |                    | =      | 0,125     | M  |            |                   |              |        |       |       |       |    |
| Jarak Antar Besi (L)              |                                      |                    | =      | 0,125     | M  |            |                   |              |        |       |       |       |    |
| Jumlah Unit                       |                                      |                    | =      | 4,00      | Bh |            |                   |              |        |       |       |       |    |
| Selimut Beton                     |                                      |                    | =      | 0,025     | M  |            |                   |              |        |       |       |       |    |
| Ukuran besi                       |                                      |                    | =      | 0,016     | M  |            |                   |              |        |       |       |       |    |
| Total Berat                       |                                      |                    | =      | 1,578     | Kg |            |                   |              |        |       |       |       |    |
| Panjang Sambungan Balok           |                                      |                    | =      | 0,35      | M' |            |                   |              |        |       |       |       |    |
| Panjang Sambungan Dengan Kolom    |                                      |                    | =      | 0,64      | M' |            |                   |              |        |       |       |       |    |
| Tinggi Sloof                      |                                      |                    | =      | 0,00      | M' |            |                   |              |        |       |       |       |    |
| Total Panjang Memanjang           |                                      | =                  | 19,76  | M'        |    |            |                   |              |        |       |       |       |    |
| Total Berat                       |                                      | =                  | 31,18  | Kg        |    |            |                   |              |        |       |       |       |    |
| Banyak Kolom                      |                                      | =                  | 7,00   | Bh        |    |            |                   |              |        |       |       |       |    |
| Total Berat Tu. Utama Kolom 25/25 |                                      | =                  | 218,27 | Kg        |    |            |                   |              |        |       |       |       |    |
|                                   | Besi Diameter 10 mm                  |                    |        |           |    |            |                   |              |        |       |       |       |    |
|                                   | Panjang                              |                    | =      | 0,25      | M  |            |                   |              |        |       |       |       |    |
|                                   | Lebar                                |                    | =      | 0,25      | M  |            |                   |              |        |       |       |       |    |
|                                   | Tinggi                               |                    | =      | 3,95      | M  |            |                   |              |        |       |       |       |    |
|                                   | Jarak Antar Besi (P)                 |                    | =      | 0,15      | M  |            |                   |              |        |       |       |       |    |
|                                   | Jarak Antar Besi (L)                 |                    | =      | 0,15      | M  |            |                   |              |        |       |       |       |    |
|                                   | Jumlah Unit                          |                    | =      | 27,00     | Bh |            |                   |              |        |       |       |       |    |
|                                   | Selimut Beton                        |                    | =      | 0,025     | M  |            |                   |              |        |       |       |       |    |
|                                   | Ukuran besi                          |                    | =      | 0,010     | M  |            |                   |              |        |       |       |       |    |
|                                   | Total Berat                          |                    | =      | 0,617     | Kg |            |                   |              |        |       |       |       |    |
|                                   | Panjang Sengkang /Pcs                |                    | =      | 0,82      | M' |            |                   |              |        |       |       |       |    |
|                                   | Total Panjang Memanjang              |                    | =      | 22,14     | M' |            |                   |              |        |       |       |       |    |
|                                   | Total Berat                          |                    | =      | 13,66     | Kg |            |                   |              |        |       |       |       |    |
|                                   | Banyak Pondasi                       |                    | =      | 7,00      | Bh |            |                   |              |        |       |       |       |    |
|                                   | Total Berat Tu. Sengkang kolom 25/25 |                    | =      | 95,62     | Kg |            |                   |              |        |       |       |       |    |
| 10                                | Kolom 35/40                          |                    |        |           |    |            |                   |              |        |       |       |       |    |
| a                                 | Pek. Bekisting KOLOM                 | P                  | +      | L         | x  | T          | x                 | Q            |        |       |       |       |    |
|                                   |                                      | 0,70               | +      | 0,90      | x  | 3,65       | x                 | 4,00         | =      | 23,36 | =     | 11,68 | M2 |
|                                   |                                      |                    |        |           |    |            |                   | Total        | =      | 23,36 |       |       |    |
|                                   | Bekisting 2 Kali Pakai               | 23,36              | /      | 2,00      |    |            |                   | Jumlah Total | =      | 11,68 |       |       |    |
| b                                 | Pek. Pembetonan KOLOM                | P                  | x      | L         | x  | T          | x                 | Q            |        |       |       |       |    |
|                                   |                                      | 0,35               | x      | 0,45      | x  | 3,65       | x                 | 4,00         | =      | 2,30  | =     | 2,30  | M3 |
|                                   |                                      |                    |        |           |    |            |                   | Jumlah Total | =      | 2,30  |       |       |    |
|                                   | c                                    | Pembesian KOLOM    |        |           |    |            |                   |              |        |       |       |       |    |
| Besi Diameter 16 mm               |                                      |                    |        |           |    |            |                   |              |        |       |       |       |    |
| Tulangan Utama                    |                                      |                    |        |           |    |            |                   |              |        |       |       |       |    |
| Panjang                           |                                      |                    | =      | 0,35      | M  |            |                   |              |        |       |       |       |    |
| Lebar                             |                                      |                    | =      | 0,45      | M  |            |                   |              |        |       |       |       |    |
| Tinggi                            |                                      |                    | =      | 3,65      | M  |            |                   |              |        |       |       |       |    |
| Jarak Antar Besi (P)              |                                      |                    | =      | 0,125     | M  |            |                   |              |        |       |       |       |    |
| Jarak Antar Besi (L)              |                                      |                    | =      | 0,125     | M  |            |                   |              |        |       |       |       |    |
| Jumlah Unit                       |                                      |                    | =      | 4,00      | Bh |            |                   |              |        |       |       |       |    |
| Selimut Beton                     |                                      |                    | =      | 0,025     | M  |            |                   |              |        |       |       |       |    |
| Ukuran besi                       |                                      |                    | =      | 0,012     | M  |            |                   |              |        |       |       |       |    |
| Total Berat                       |                                      |                    | =      | 0,888     | Kg |            |                   |              |        |       |       |       |    |

| NO. | URAIAN PEKERJAAN                     | URAIAN PERHITUNGAN     |      |           |      |            |                   |              |              | VOLUME | SAT. |    |
|-----|--------------------------------------|------------------------|------|-----------|------|------------|-------------------|--------------|--------------|--------|------|----|
|     |                                      | Panjang (P)            |      | Lebar (L) |      | Tinggi (T) | Banyak Luasan (Q) |              | Total        |        |      |    |
| 1   | 2                                    | 3                      |      | 4         | 5    | 6          | 7                 | 8            | 9            |        |      |    |
|     | Panjang Sambungan Balok              |                        | =    | 0,50      | M'   |            |                   |              |              |        |      |    |
|     | Panjang Sambungan Dengan Kolom       |                        | =    | 0,48      | M'   |            |                   |              |              |        |      |    |
|     | Tinggi Sloof                         |                        | =    | 0,00      | M'   |            |                   |              |              |        |      |    |
|     | Total Panjang Memanjang              |                        | =    | 18,52     | M'   |            |                   |              |              |        |      |    |
|     | Total Berat                          |                        | =    | 16,45     | Kg   |            |                   |              |              |        |      |    |
|     | Banyak Kolom                         |                        | =    | 4,00      | Bh   |            |                   |              |              |        |      |    |
|     | Total Berat Tu. Utama Kolom 35/40    |                        | =    | 65,78     | Kg   |            |                   |              |              |        |      |    |
|     | Besi Diameter 10 mm                  |                        |      |           |      |            |                   |              | =            | 55,93  | Kg   |    |
|     | Panjang                              |                        | =    | 0,35      | M    |            |                   |              |              |        |      |    |
|     | Lebar                                |                        | =    | 0,45      | M    |            |                   |              |              |        |      |    |
|     | Tinggi                               |                        | =    | 3,65      | M    |            |                   |              |              |        |      |    |
|     | Jarak Antar Besi (P)                 |                        | =    | 0,15      | M    |            |                   |              |              |        |      |    |
|     | Jarak Antar Besi (L)                 |                        | =    | 0,15      | M    |            |                   |              |              |        |      |    |
|     | Jumlah Unit                          |                        | =    | 25,00     | Bh   |            |                   |              |              |        |      |    |
|     | Selimut Beton                        |                        | =    | 0,025     | M    |            |                   |              |              |        |      |    |
|     | Ukuran besi                          |                        | =    | 0,008     | M    |            |                   |              |              |        |      |    |
|     | Total Berat                          |                        | =    | 0,395     | Kg   |            |                   |              |              |        |      |    |
|     | Panjang Senggang /Pcs                |                        | =    | 1,42      | M'   |            |                   |              |              |        |      |    |
|     | Total Panjang Memanjang              |                        | =    | 35,40     | M'   |            |                   |              |              |        |      |    |
|     | Total Berat                          |                        | =    | 13,98     | Kg   |            |                   |              |              |        |      |    |
|     | Banyak Pondasi                       |                        | =    | 4,00      | Bh   |            |                   |              |              |        |      |    |
|     | Total Berat Tu. Senggang kolom 35/40 |                        | =    | 55,93     | Kg   |            |                   |              |              |        |      |    |
|     | 11                                   | Kolom 15/15            |      |           |      |            |                   |              |              |        |      |    |
|     | a                                    | Pek. Bekisting KOLOM   | P    | +         | L    | x          | T                 | x            | Q            | =      | 1,43 | M2 |
|     |                                      | Toilet                 | 0,10 | +         | 0,10 | x          | 2,20              | x            | 4,00         | =      | 1,76 |    |
|     |                                      | Railing Tangga         | 0,10 | +         | 0,10 | x          | 1,10              | x            | 5,00         | =      | 1,10 |    |
|     |                                      |                        |      |           |      |            |                   |              | Total        | =      | 2,86 |    |
|     |                                      | Bekisting 2 Kali Pakai | 2,86 | /         | 2,00 |            |                   |              |              | =      | 1,43 |    |
|     |                                      |                        |      |           |      |            |                   |              | Jumlah Total | =      | 1,43 |    |
|     | b                                    | Pek. Pembetonan KOLOM  | P    | x         | L    | x          | T                 | x            | Q            | =      | 0,14 | M3 |
|     | Toilet                               | 0,10                   | x    | 0,10      | x    | 2,20       | x                 | 4,00         | =            | 0,09   |      |    |
|     | Railing Tangga                       | 0,10                   | x    | 0,10      | x    | 1,10       | x                 | 5,00         | =            | 0,06   |      |    |
|     |                                      |                        |      |           |      |            |                   | Jumlah Total | =            | 0,14   |      |    |
| c   | Pembesian KOLOM                      |                        |      |           |      |            |                   |              |              |        |      |    |
|     | Besi Diameter 8 mm                   |                        |      |           |      |            |                   |              |              |        |      |    |
|     | Toilet                               |                        |      |           |      |            |                   |              |              |        |      |    |
|     | Tulangan Utama                       |                        |      |           |      |            |                   |              |              |        |      |    |
|     | Panjang                              |                        | =    | 0,10      | M    |            |                   |              |              |        |      |    |
|     | Lebar                                |                        | =    | 0,10      | M    |            |                   |              |              |        |      |    |
|     | Tinggi                               |                        | =    | 2,20      | M    |            |                   |              |              |        |      |    |
|     | Jarak Antar Besi (P)                 |                        | =    | 0,125     | M    |            |                   |              |              |        |      |    |
|     | Jarak Antar Besi (L)                 |                        | =    | 0,125     | M    |            |                   |              |              |        |      |    |
|     | Jumlah Unit                          |                        | =    | 4,00      | Bh   |            |                   |              |              |        |      |    |
|     | Selimut Beton                        |                        | =    | 0,025     | M    |            |                   |              |              |        |      |    |
|     | Ukuran besi                          |                        | =    | 0,008     | M    |            |                   |              |              |        |      |    |
|     | Total Berat                          |                        | =    | 0,395     | Kg   |            |                   |              |              |        |      |    |
|     | Panjang Sambungan Balok              |                        | =    | 0,00      | M'   |            |                   |              |              |        |      |    |
|     | Panjang Sambungan Dengan Kolom       |                        | =    | 0,00      | M'   |            |                   |              |              |        |      |    |
|     | Tinggi Sloof                         |                        | =    | 0,00      | M'   |            |                   |              |              |        |      |    |
|     | Total Panjang Memanjang              |                        | =    | 8,80      | M'   |            |                   |              |              |        |      |    |
|     | Total Berat                          |                        | =    | 3,48      | Kg   |            |                   |              |              |        |      |    |
|     | Banyak Kolom                         |                        | =    | 4,00      | Bh   |            |                   |              |              |        |      |    |
|     | Total Berat Tu. Utama Kolom 15/15    |                        | =    | 13,904    | Kg   |            |                   |              |              |        |      |    |
|     | Railing Tangga                       |                        |      |           |      |            |                   |              |              |        |      |    |
|     | Tulangan Utama                       |                        |      |           |      |            |                   |              |              |        |      |    |
|     | Panjang                              |                        | =    | 0,10      | M    |            |                   |              |              |        |      |    |
|     | Lebar                                |                        | =    | 0,10      | M    |            |                   |              |              |        |      |    |
|     | Tinggi                               |                        | =    | 1,10      | M    |            |                   |              |              |        |      |    |
|     | Jarak Antar Besi (P)                 |                        | =    | 0,125     | M    |            |                   |              |              |        |      |    |
|     | Jarak Antar Besi (L)                 |                        | =    | 0,125     | M    |            |                   |              |              |        |      |    |
|     | Jumlah Unit                          |                        | =    | 4,00      | Bh   |            |                   |              |              |        |      |    |
|     | Selimut Beton                        |                        | =    | 0,025     | M    |            |                   |              |              |        |      |    |
|     | Ukuran besi                          |                        | =    | 0,008     | M    |            |                   |              |              |        |      |    |
|     | Total Berat                          |                        | =    | 0,395     | Kg   |            |                   |              |              |        |      |    |
|     | Panjang Sambungan Balok              |                        | =    | 0,00      | M'   |            |                   |              |              |        |      |    |
|     | Panjang Sambungan Dengan Kolom       |                        | =    | 0,00      | M'   |            |                   |              |              |        |      |    |
|     | Tinggi Sloof                         |                        | =    | 0,00      | M'   |            |                   |              |              |        |      |    |
|     | Total Panjang Memanjang              |                        | =    | 4,40      | M'   |            |                   |              |              |        |      |    |
|     | Total Berat                          |                        | =    | 1,74      | Kg   |            |                   |              |              |        |      |    |
|     | Banyak Kolom                         |                        | =    | 5,00      | Bh   |            |                   |              |              |        |      |    |
|     | Total Berat Tu. Utama Kolom 15/15    |                        | =    | 8,690     | Kg   |            |                   |              |              |        |      |    |
|     | Jumlah Total                         | Toilet                 | +    | Railing   |      |            |                   |              |              |        |      |    |
|     |                                      | 13,90                  | +    | 8,69      |      |            |                   |              |              |        |      |    |
|     |                                      |                        |      |           |      |            |                   | Jumlah Total | =            | 22,59  |      |    |
|     |                                      |                        |      |           |      |            |                   |              | =            | 22,59  |      |    |

| NO. | URAIAN PEKERJAAN                     | URAIAN PERHITUNGAN |   |           |    |            |                   | VOLUME | SAT. |       |      |    |  |
|-----|--------------------------------------|--------------------|---|-----------|----|------------|-------------------|--------|------|-------|------|----|--|
|     |                                      | Panjang (P)        |   | Lebar (L) |    | Tinggi (T) | Banyak Luasan (Q) |        |      | Total |      |    |  |
| 1   | 2                                    | 3                  |   | 4         |    | 5          |                   | 6      |      | 7     | 8    | 9  |  |
| 12  | Besi Diameter 6 mm                   |                    |   |           |    |            |                   |        |      | =     | 4,71 | Kg |  |
|     | Toilet                               |                    |   |           |    |            |                   |        |      |       |      |    |  |
|     | Panjang                              | =                  |   | 0,10      | M  |            |                   |        |      |       |      |    |  |
|     | Lebar                                | =                  |   | 0,10      | M  |            |                   |        |      |       |      |    |  |
|     | Tinggi                               | =                  |   | 2,20      | M  |            |                   |        |      |       |      |    |  |
|     | Jarak Antar Besi (P)                 | =                  |   | 0,15      | M  |            |                   |        |      |       |      |    |  |
|     | Jarak Antar Besi (L)                 | =                  |   | 0,15      | M  |            |                   |        |      |       |      |    |  |
|     | Jumlah Unit                          | =                  |   | 15,00     | Bh |            |                   |        |      |       |      |    |  |
|     | Selimut Beton                        | =                  |   | 0,025     | M  |            |                   |        |      |       |      |    |  |
|     | Ukuran besi                          | =                  |   | 0,006     | M  |            |                   |        |      |       |      |    |  |
|     | Total Berat                          | =                  |   | 0,222     | Kg |            |                   |        |      |       |      |    |  |
|     | Panjang Sengkang /Pcs                | =                  |   | 0,21      | M' |            |                   |        |      |       |      |    |  |
|     | Total Panjang Memanjang              | =                  |   | 3,18      | M' |            |                   |        |      |       |      |    |  |
|     | Total Berat                          | =                  |   | 0,71      | Kg |            |                   |        |      |       |      |    |  |
|     | Banyak Kolom                         | =                  |   | 4,00      | Bh |            |                   |        |      |       |      |    |  |
|     | Total Berat Tu. Sengkang kolom 15/15 | =                  |   | 2,82      | Kg |            |                   |        |      |       |      |    |  |
|     | Railing Tangga                       |                    |   |           |    |            |                   |        |      |       |      |    |  |
|     | Panjang                              | =                  |   | 0,10      | M  |            |                   |        |      |       |      |    |  |
|     | Lebar                                | =                  |   | 0,10      | M  |            |                   |        |      |       |      |    |  |
|     | Tinggi                               | =                  |   | 1,10      | M  |            |                   |        |      |       |      |    |  |
|     | Jarak Antar Besi (P)                 | =                  |   | 0,15      | M  |            |                   |        |      |       |      |    |  |
|     | Jarak Antar Besi (L)                 | =                  |   | 0,15      | M  |            |                   |        |      |       |      |    |  |
|     | Jumlah Unit                          | =                  |   | 8,00      | Bh |            |                   |        |      |       |      |    |  |
|     | Selimut Beton                        | =                  |   | 0,025     | M  |            |                   |        |      |       |      |    |  |
|     | Ukuran besi                          | =                  |   | 0,006     | M  |            |                   |        |      |       |      |    |  |
|     | Total Berat                          | =                  |   | 0,222     | Kg |            |                   |        |      |       |      |    |  |
|     | Panjang Sengkang /Pcs                | =                  |   | 0,21      | M' |            |                   |        |      |       |      |    |  |
|     | Total Panjang Memanjang              | =                  |   | 1,70      | M' |            |                   |        |      |       |      |    |  |
|     | Total Berat                          | =                  |   | 0,38      | Kg |            |                   |        |      |       |      |    |  |
|     | Banyak Kolom                         | =                  |   | 5,00      | Bh |            |                   |        |      |       |      |    |  |
|     | Total Berat Tu. Sengkang kolom 15/15 | =                  |   | 1,88      | Kg |            |                   |        |      |       |      |    |  |
|     | Jumlah Total                         | Toilet             | + | Railing   |    |            |                   |        |      |       |      |    |  |
|     |                                      | 2,82               | + | 1,88      |    |            |                   |        |      |       |      |    |  |
|     |                                      |                    |   |           |    |            |                   |        |      |       |      |    |  |
|     |                                      |                    |   |           |    |            |                   |        |      |       |      |    |  |
|     |                                      |                    |   |           |    |            |                   |        |      |       |      |    |  |
|     |                                      |                    |   |           |    |            |                   |        |      |       |      |    |  |
|     |                                      |                    |   |           |    |            |                   |        |      |       |      |    |  |
|     |                                      |                    |   |           |    |            |                   |        |      |       |      |    |  |
|     |                                      |                    |   |           |    |            |                   |        |      |       |      |    |  |
|     |                                      |                    |   |           |    |            |                   |        |      |       |      |    |  |
|     |                                      |                    |   |           |    |            |                   |        |      |       |      |    |  |
|     |                                      |                    |   |           |    |            |                   |        |      |       |      |    |  |
|     |                                      |                    |   |           |    |            |                   |        |      |       |      |    |  |
|     |                                      |                    |   |           |    |            |                   |        |      |       |      |    |  |
|     |                                      |                    |   |           |    |            |                   |        |      |       |      |    |  |
|     |                                      |                    |   |           |    |            |                   |        |      |       |      |    |  |
|     |                                      |                    |   |           |    |            |                   |        |      |       |      |    |  |
|     |                                      |                    |   |           |    |            |                   |        |      |       |      |    |  |
|     |                                      |                    |   |           |    |            |                   |        |      |       |      |    |  |
|     |                                      |                    |   |           |    |            |                   |        |      |       |      |    |  |
|     |                                      |                    |   |           |    |            |                   |        |      |       |      |    |  |
|     |                                      |                    |   |           |    |            |                   |        |      |       |      |    |  |
|     |                                      |                    |   |           |    |            |                   |        |      |       |      |    |  |
|     |                                      |                    |   |           |    |            |                   |        |      |       |      |    |  |
|     |                                      |                    |   |           |    |            |                   |        |      |       |      |    |  |
|     |                                      |                    |   |           |    |            |                   |        |      |       |      |    |  |
|     |                                      |                    |   |           |    |            |                   |        |      |       |      |    |  |
|     |                                      |                    |   |           |    |            |                   |        |      |       |      |    |  |
|     |                                      |                    |   |           |    |            |                   |        |      |       |      |    |  |
|     |                                      |                    |   |           |    |            |                   |        |      |       |      |    |  |
|     |                                      |                    |   |           |    |            |                   |        |      |       |      |    |  |
|     |                                      |                    |   |           |    |            |                   |        |      |       |      |    |  |
|     |                                      |                    |   |           |    |            |                   |        |      |       |      |    |  |
|     |                                      |                    |   |           |    |            |                   |        |      |       |      |    |  |
|     |                                      |                    |   |           |    |            |                   |        |      |       |      |    |  |
|     |                                      |                    |   |           |    |            |                   |        |      |       |      |    |  |
|     |                                      |                    |   |           |    |            |                   |        |      |       |      |    |  |
|     |                                      |                    |   |           |    |            |                   |        |      |       |      |    |  |
|     |                                      |                    |   |           |    |            |                   |        |      |       |      |    |  |
|     |                                      |                    |   |           |    |            |                   |        |      |       |      |    |  |
|     |                                      |                    |   |           |    |            |                   |        |      |       |      |    |  |
|     |                                      |                    |   |           |    |            |                   |        |      |       |      |    |  |
|     |                                      |                    |   |           |    |            |                   |        |      |       |      |    |  |
|     |                                      |                    |   |           |    |            |                   |        |      |       |      |    |  |
|     |                                      |                    |   |           |    |            |                   |        |      |       |      |    |  |
|     |                                      |                    |   |           |    |            |                   |        |      |       |      |    |  |
|     |                                      |                    |   |           |    |            |                   |        |      |       |      |    |  |
|     |                                      |                    |   |           |    |            |                   |        |      |       |      |    |  |
|     |                                      |                    |   |           |    |            |                   |        |      |       |      |    |  |
|     |                                      |                    |   |           |    |            |                   |        |      |       |      |    |  |
|     |                                      |                    |   |           |    |            |                   |        |      |       |      |    |  |
|     |                                      |                    |   |           |    |            |                   |        |      |       |      |    |  |
|     |                                      |                    |   |           |    |            |                   |        |      |       |      |    |  |
|     |                                      |                    |   |           |    |            |                   |        |      |       |      |    |  |
|     |                                      |                    |   |           |    |            |                   |        |      |       |      |    |  |
|     |                                      |                    |   |           |    |            |                   |        |      |       |      |    |  |
|     |                                      |                    |   |           |    |            |                   |        |      |       |      |    |  |
|     |                                      |                    |   |           |    |            |                   |        |      |       |      |    |  |
|     |                                      |                    |   |           |    |            |                   |        |      |       |      |    |  |
|     |                                      |                    |   |           |    |            |                   |        |      |       |      |    |  |
|     |                                      |                    |   |           |    |            |                   |        |      |       |      |    |  |
|     |                                      |                    |   |           |    |            |                   |        |      |       |      |    |  |
|     |                                      |                    |   |           |    |            |                   |        |      |       |      |    |  |
|     |                                      |                    |   |           |    |            |                   |        |      |       |      |    |  |
|     |                                      |                    |   |           |    |            |                   |        |      |       |      |    |  |
|     |                                      |                    |   |           |    |            |                   |        |      |       |      |    |  |
|     |                                      |                    |   |           |    |            |                   |        |      |       |      |    |  |
|     |                                      |                    |   |           |    |            |                   |        |      |       |      |    |  |
|     |                                      |                    |   |           |    |            |                   |        |      |       |      |    |  |
|     |                                      |                    |   |           |    |            |                   |        |      |       |      |    |  |

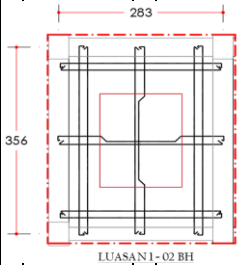
| NO. | URAIAN PEKERJAAN                       | URAIAN PERHITUNGAN   |           |               |            |                   |              | VOLUME | SAT.   |        |       |    |
|-----|----------------------------------------|----------------------|-----------|---------------|------------|-------------------|--------------|--------|--------|--------|-------|----|
|     |                                        | Panjang (P)          | Lebar (L) |               | Tinggi (T) | Banyak Luasan (Q) |              |        |        | Total  |       |    |
| 1   | 2                                      | 3                    | 4         |               | 5          | 6                 |              | 7      | 8      | 9      |       |    |
|     | Besi Diameter 10 mm                    |                      |           |               |            |                   |              |        | =      | 653,49 | Kg    |    |
|     | a. Tulangan Utama Tengah               |                      |           |               |            |                   |              |        |        |        |       |    |
|     | Panjang                                | =                    | 87,25     | M             |            |                   |              |        |        |        |       |    |
|     | Lebar                                  | =                    | 0,35      | M             |            |                   |              |        |        |        |       |    |
|     | Tinggi                                 | =                    | 0,50      | M             |            |                   |              |        |        |        |       |    |
|     | Jumlah Besi                            |                      |           |               |            |                   |              |        |        |        |       |    |
|     | Tumpuan                                |                      |           |               |            |                   |              |        |        |        |       |    |
|     | Atas                                   | =                    | 0,00      | Bh            |            |                   |              |        |        |        |       |    |
|     | Tengah                                 | =                    | 2,00      | Bh            |            |                   |              |        |        |        |       |    |
|     | Bawah                                  | =                    | 0,00      | Bh            |            |                   |              |        |        |        |       |    |
|     | Lapangan                               |                      |           |               |            |                   |              |        |        |        |       |    |
|     | Atas                                   | =                    | 0,00      | Bh            |            |                   |              |        |        |        |       |    |
|     | Tengah                                 | =                    | 2,00      | Bh            |            |                   |              |        |        |        |       |    |
|     | Bawah                                  | =                    | 0,00      | Bh            |            |                   |              |        |        |        |       |    |
|     | Selimut Beton                          | =                    | 0,025     | M             |            |                   |              |        |        |        |       |    |
|     | Ukuran besi                            | =                    | 0,010     | M             |            |                   |              |        |        |        |       |    |
|     | Total Berat                            | =                    | 0,617     | Kg            |            |                   |              |        |        |        |       |    |
|     | Panjang Tulangan Atas                  | =                    | 0,00      | M'            |            |                   |              |        |        |        |       |    |
|     | Panjang Tulangan Tengah Tumpuan        | =                    | 0,00      | M'            |            |                   |              |        |        |        |       |    |
|     | Panjang Tulangan Tengah                | =                    | 87,25     | M'            |            |                   |              |        |        |        |       |    |
|     | Panjang Tulangan Tengah Lapangan       | =                    | 0,00      | M'            |            |                   |              |        |        |        |       |    |
|     | Panjang Tulangan Bawah                 | =                    | 0,00      | M'            |            |                   |              |        |        |        |       |    |
|     | Panjang Total Tulangan Atas            | =                    | 0,00      | M'            |            |                   |              |        |        |        |       |    |
|     | Panjang Total Tulangan Tengah Tumpuan  | =                    | 0,00      | M'            |            |                   |              |        |        |        |       |    |
|     | Panjang Total Tulangan Tengah          | =                    | 174,50    | M'            |            |                   |              |        |        |        |       |    |
|     | Panjang Total Tulangan Tengah Lapangan | =                    | 0,00      | M'            |            |                   |              |        |        |        |       |    |
|     | Panjang Total Tulangan Bawah           | =                    | 0,00      | M'            |            |                   |              |        |        |        |       |    |
|     | Panjang Total Keseluruhan              | =                    | 174,50    | M'            |            |                   |              |        |        |        |       |    |
|     | Total Berat Tu. Utama Balok 35/50      | =                    | 107,67    | Kg            |            |                   |              |        |        |        |       |    |
|     | b. Tulangan Sengkang                   |                      |           |               |            |                   |              |        |        |        |       |    |
|     | Tulangan Sengkang                      |                      |           |               |            |                   |              |        |        |        |       |    |
|     | Panjang                                | =                    | 87,25     | M             |            |                   |              |        |        |        |       |    |
|     | Lebar                                  | =                    | 0,35      | M             |            |                   |              |        |        |        |       |    |
|     | Tinggi                                 | =                    | 0,50      | M             |            |                   |              |        |        |        |       |    |
|     | Jarak Antar Tulangan                   | =                    | 0,15      | M             |            |                   |              |        |        |        |       |    |
|     | Jumlah Unit                            | =                    | 582,00    | Bh            |            |                   |              |        |        |        |       |    |
|     | Selimut Beton                          | =                    | 0,025     | M             |            |                   |              |        |        |        |       |    |
|     | Ukuran besi                            | =                    | 0,010     | M             |            |                   |              |        |        |        |       |    |
|     | Total Berat                            | =                    | 0,617     | Kg            |            |                   |              |        |        |        |       |    |
|     | Panjang Memanjang                      | =                    | 1,52      | M'            |            |                   |              |        |        |        |       |    |
|     | Total Panjang Memanjang                | =                    | 884,64    | M'            |            |                   |              |        |        |        |       |    |
|     | Total Berat Tu. Sengkang Balok 35/50   | =                    | 545,82    | Kg            |            |                   |              |        |        |        |       |    |
|     | Jumlah Total                           | Tul. Utama           | +         | Tul. Sengkang |            |                   |              |        |        |        |       |    |
|     |                                        | 107,67               | +         | 545,82        |            |                   |              |        |        |        |       |    |
|     |                                        |                      |           |               |            |                   | Jumlah Total | =      | 653,49 |        |       |    |
|     |                                        |                      |           |               |            |                   |              | =      | 653,49 |        |       |    |
|     | 13                                     | Balok 25/35          |           |               |            |                   |              |        |        |        |       |    |
|     | a                                      | Pek. Bekisting Balok | Panjang   |               |            |                   |              |        |        | =      | 47,11 | M2 |
|     |                                        |                      | x         | 14,80         |            |                   |              |        |        |        |       |    |
|     |                                        |                      |           | 20,75         |            |                   |              |        |        |        |       |    |
|     |                                        |                      |           | 8,25          |            |                   |              |        |        |        |       |    |
|     |                                        |                      | y         | 11,55         |            |                   |              |        |        |        |       |    |
|     |                                        |                      |           | 6,40          |            |                   |              |        |        |        |       |    |
|     |                                        |                      | 4,60      |               |            |                   |              |        |        |        |       |    |
|     |                                        | T. Panjang           | 66,35     |               |            |                   |              |        |        |        |       |    |
|     |                                        | P                    |           |               |            |                   |              |        |        |        |       |    |
|     |                                        | Total                | 66,35     |               |            |                   |              |        |        |        |       |    |
|     |                                        |                      |           | x             | T          | x                 | Sisi         |        |        |        |       |    |
|     |                                        |                      |           | x             | 0,71       | x                 | 1,00         | =      | 47,11  |        |       |    |
|     |                                        |                      |           |               |            |                   | Jumlah Total | =      | 47,11  |        |       |    |
| b   | Pek. Pembetonan Balok                  | Panjang              |           |               |            |                   |              |        | =      | 3,98   | M3    |    |
|     |                                        | x                    | 14,80     |               |            |                   |              |        |        |        |       |    |
|     |                                        |                      | 22,65     |               |            |                   |              |        |        |        |       |    |
|     |                                        |                      | 9,30      |               |            |                   |              |        |        |        |       |    |
|     |                                        | y                    | 11,55     |               |            |                   |              |        |        |        |       |    |
|     |                                        |                      | 6,40      |               |            |                   |              |        |        |        |       |    |
|     |                                        |                      | 4,60      |               |            |                   |              |        |        |        |       |    |
|     |                                        | T. Panjang           | 69,30     |               |            |                   |              |        |        |        |       |    |
|     |                                        | P                    |           |               |            |                   |              |        |        |        |       |    |
|     |                                        | 69,30                | x         | L             | x          | T                 | x            | Q      |        |        |       |    |
|     |                                        |                      | x         | 0,25          | x          | 0,23              | x            | 1,00   | =      | 3,98   |       |    |
|     |                                        |                      |           |               |            |                   | Jumlah Total | =      | 3,98   |        |       |    |
| c   | Pek. Pembesian Balok                   |                      |           |               |            |                   |              |        |        |        |       |    |
|     | Besi Diameter 16 mm                    |                      |           |               |            |                   |              |        | =      | 765,49 | Kg    |    |
|     | Tulangan Utama                         |                      |           |               |            |                   |              |        |        |        |       |    |
|     | Panjang                                | =                    | 69,30     | M             |            |                   |              |        |        |        |       |    |
|     | Lebar                                  | =                    | 0,25      | M             |            |                   |              |        |        |        |       |    |
|     | Tinggi                                 | =                    | 0,35      | M             |            |                   |              |        |        |        |       |    |
|     | Jumlah Besi                            |                      |           |               |            |                   |              |        |        |        |       |    |
|     | Tumpuan                                |                      |           |               |            |                   |              |        |        |        |       |    |
|     | Atas                                   | =                    | 4,00      | Bh            |            |                   |              |        |        |        |       |    |
|     | Tengah                                 | =                    | 0,00      | Bh            |            |                   |              |        |        |        |       |    |
|     | Bawah                                  | =                    | 3,00      | Bh            |            |                   |              |        |        |        |       |    |
|     | Lapangan                               |                      |           |               |            |                   |              |        |        |        |       |    |
|     | Atas                                   | =                    | 4,00      | Bh            |            |                   |              |        |        |        |       |    |
|     | Tengah                                 | =                    | 0,00      | Bh            |            |                   |              |        |        |        |       |    |
|     | Bawah                                  | =                    | 3,00      | Bh            |            |                   |              |        |        |        |       |    |

| NO. | URAIAN PEKERJAAN                       | URAIAN PERHITUNGAN   |           |            |                   |       |              |              | VOLUME | SAT.   |    |
|-----|----------------------------------------|----------------------|-----------|------------|-------------------|-------|--------------|--------------|--------|--------|----|
|     |                                        | Panjang (P)          | Lebar (L) | Tinggi (T) | Banyak Luasan (Q) | Total |              |              |        |        |    |
| 1   | 2                                      | 3                    | 4         | 5          | 6                 | 7     | 8            | 9            |        |        |    |
|     | Selimit Beton                          | =                    | 0,025     | M          |                   |       |              |              |        |        |    |
|     | Ukuran besi                            | =                    | 0,016     | M          |                   |       |              |              |        |        |    |
|     | Total Berat                            | =                    | 1,578     | Kg         |                   |       |              |              |        |        |    |
|     | Panjang Tulangan Atas                  | =                    | 69,30     | M'         |                   |       |              |              |        |        |    |
|     | Panjang Tulangan Tengah Tumpuan        | =                    | 69,30     | M'         |                   |       |              |              |        |        |    |
|     | Panjang Tulangan Tengah                | =                    | 69,30     | M'         |                   |       |              |              |        |        |    |
|     | Panjang Tulangan Tengah Lapangan       | =                    | 69,30     | M'         |                   |       |              |              |        |        |    |
|     | Panjang Tulangan Bawah                 | =                    | 69,30     | M'         |                   |       |              |              |        |        |    |
|     | Panjang Total Tulangan Atas            | =                    | 277,20    | M'         |                   |       |              |              |        |        |    |
|     | Panjang Total Tulangan Tengah Tumpuan  | =                    | 0,00      | M'         |                   |       |              |              |        |        |    |
|     | Panjang Total Tulangan Tengah          | =                    | 0,00      | M'         |                   |       |              |              |        |        |    |
|     | Panjang Total Tulangan Tengah Lapangan | =                    | 0,00      | M'         |                   |       |              |              |        |        |    |
|     | Panjang Total Tulangan Bawah           | =                    | 207,90    | M'         |                   |       |              |              |        |        |    |
|     | Panjang Total Keseluruhan              | =                    | 485,10    | M'         |                   |       |              |              |        |        |    |
|     | Total Berat Tu. Utama Balok 25/35      | =                    | 765,49    | Kg         |                   |       |              |              |        |        |    |
|     | Besi Diameter 10 mm                    |                      |           |            |                   |       |              | =            | 290,76 | Kg     |    |
|     | Tulangan Sengkang                      |                      |           |            |                   |       |              |              |        |        |    |
|     | Panjang                                | =                    | 69,30     | M          |                   |       |              |              |        |        |    |
|     | Lebar                                  | =                    | 0,25      | M          |                   |       |              |              |        |        |    |
|     | Tinggi                                 | =                    | 0,35      | M          |                   |       |              |              |        |        |    |
|     | Jarak Antar Tulangan                   | =                    | 0,15      | M          |                   |       |              |              |        |        |    |
|     | Jumlah Unit                            | =                    | 462,00    | Bh         |                   |       |              |              |        |        |    |
|     | Selimit Beton                          | =                    | 0,025     | M          |                   |       |              |              |        |        |    |
|     | Ukuran besi                            | =                    | 0,010     | M          |                   |       |              |              |        |        |    |
|     | Total Berat                            | =                    | 0,617     | Kg         |                   |       |              |              |        |        |    |
|     | Panjang Memanjang                      | =                    | 1,02      | M'         |                   |       |              |              |        |        |    |
|     | Total Panjang Memanjang                | =                    | 471,24    | M'         |                   |       |              |              |        |        |    |
|     | Total Berat Tu. Sengkang Balok 25/35   | =                    | 290,76    | Kg         |                   |       |              |              |        |        |    |
|     | 14                                     | Balok 20/30          |           |            |                   |       |              |              | =      |        |    |
|     | a                                      | Pek. Bekisting Balok | Panjang   |            |                   |       |              |              | =      | 6,44   | M2 |
|     |                                        | x                    | 5,30      |            |                   |       |              |              |        |        |    |
|     |                                        | y                    | 6,20      |            |                   |       |              |              |        |        |    |
|     |                                        | T. Panjang           | 11,50     |            |                   |       |              |              |        |        |    |
|     |                                        | P                    |           |            | x                 | T     | x            | Sisi         |        |        |    |
|     |                                        | Total                | 11,50     |            | x                 | 0,56  | x            | 1,00         | =      | 6,44   |    |
|     |                                        |                      |           |            |                   |       | Jumlah Total | =            | 6,44   |        |    |
| b   | Pek. Pembetonan Balok                  | P                    | x         | L          | x                 | T     | x            | Q            |        |        |    |
|     |                                        | 11,50                | x         | 0,20       | x                 | 0,18  | x            | 1,00         | =      | 0,41   |    |
|     |                                        |                      |           |            |                   |       |              | Jumlah Total | =      | 0,41   |    |
| c   | Pek. Pembesian Balok                   |                      |           |            |                   |       |              |              |        |        |    |
|     | Besi Diameter 12 mm                    |                      |           |            |                   |       |              |              | =      | 102,12 | Kg |
|     | Tulangan Utama                         |                      |           |            |                   |       |              |              |        |        |    |
|     | Panjang                                | =                    | 11,50     | M          |                   |       |              |              |        |        |    |
|     | Lebar                                  | =                    | 0,20      | M          |                   |       |              |              |        |        |    |
|     | Tinggi                                 | =                    | 0,30      | M          |                   |       |              |              |        |        |    |
|     | Jumlah Besi                            |                      |           |            |                   |       |              |              |        |        |    |
|     | Tumpuan                                |                      |           |            |                   |       |              |              |        |        |    |
|     | Atas                                   | =                    | 3,00      | Bh         |                   |       |              |              |        |        |    |
|     | Tengah                                 | =                    | 2,00      | Bh         |                   |       |              |              |        |        |    |
|     | Bawah                                  | =                    | 2,00      | Bh         |                   |       |              |              |        |        |    |
|     | Lapangan                               |                      |           |            |                   |       |              |              |        |        |    |
|     | Atas                                   | =                    | 3,00      | Bh         |                   |       |              |              |        |        |    |
|     | Tengah                                 | =                    | 2,00      | Bh         |                   |       |              |              |        |        |    |
|     | Bawah                                  | =                    | 3,00      | Bh         |                   |       |              |              |        |        |    |
|     | Selimit Beton                          | =                    | 0,025     | M          |                   |       |              |              |        |        |    |
|     | Ukuran besi                            | =                    | 0,012     | M          |                   |       |              |              |        |        |    |
|     | Total Berat                            | =                    | 0,888     | Kg         |                   |       |              |              |        |        |    |
|     | Panjang Tulangan Atas                  | =                    | 11,50     | M'         |                   |       |              |              |        |        |    |
|     | Panjang Tulangan Tengah Tumpuan        | =                    | 11,50     | M'         |                   |       |              |              |        |        |    |
|     | Panjang Tulangan Tengah                | =                    | 11,50     | M'         |                   |       |              |              |        |        |    |
|     | Panjang Tulangan Tengah Lapangan       | =                    | 11,50     | M'         |                   |       |              |              |        |        |    |
|     | Panjang Tulangan Bawah                 | =                    | 11,50     | M'         |                   |       |              |              |        |        |    |
|     | Panjang Total Tulangan Atas            | =                    | 34,50     | M'         |                   |       |              |              |        |        |    |
|     | Panjang Total Tulangan Tengah Tumpuan  | =                    | 23,00     | M'         |                   |       |              |              |        |        |    |
|     | Panjang Total Tulangan Tengah          | =                    | 0,00      | M'         |                   |       |              |              |        |        |    |
|     | Panjang Total Tulangan Tengah Lapangan | =                    | 23,00     | M'         |                   |       |              |              |        |        |    |
|     | Panjang Total Tulangan Bawah           | =                    | 34,50     | M'         |                   |       |              |              |        |        |    |
|     | Panjang Total Keseluruhan              | =                    | 115,00    | M'         |                   |       |              |              |        |        |    |
|     | Total Berat Tu. Utama Balok 20/30      | =                    | 102,12    | Kg         |                   |       |              |              |        |        |    |

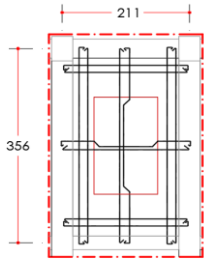
| NO.                                    | URAIAN PEKERJAAN                     | URAIAN PERHITUNGAN    |           |            |                   |       |      | VOLUME | SAT. |       |
|----------------------------------------|--------------------------------------|-----------------------|-----------|------------|-------------------|-------|------|--------|------|-------|
|                                        |                                      | Panjang (P)           | Lebar (L) | Tinggi (T) | Banyak Luasan (Q) | Total |      |        |      |       |
| 1                                      | 2                                    | 3                     | 4         | 5          | 6                 | 7     | 8    | 9      |      |       |
|                                        | Besi Diameter 6 mm                   |                       |           |            |                   |       | =    | 14,02  | Kg   |       |
|                                        | Tulangan Sengkang                    |                       |           |            |                   |       |      |        |      |       |
|                                        | Panjang                              | =                     | 11,50     | M          |                   |       |      |        |      |       |
|                                        | Lebar                                | =                     | 0,20      | M          |                   |       |      |        |      |       |
|                                        | Tinggi                               | =                     | 0,30      | M          |                   |       |      |        |      |       |
|                                        | Jarak Antar Tulangan                 | =                     | 0,15      | M          |                   |       |      |        |      |       |
|                                        | Jumlah Unit                          | =                     | 77,00     | Bh         |                   |       |      |        |      |       |
|                                        | Selimut Beton                        | =                     | 0,025     | M          |                   |       |      |        |      |       |
|                                        | Ukuran besi                          | =                     | 0,006     | M          |                   |       |      |        |      |       |
|                                        | Total Berat                          | =                     | 0,222     | Kg         |                   |       |      |        |      |       |
|                                        | Panjang Memanjang                    | =                     | 0,82      | M'         |                   |       |      |        |      |       |
|                                        | Total Panjang Memanjang              | =                     | 63,14     | M'         |                   |       |      |        |      |       |
|                                        | Total Berat Tu. Sengkang Balok 20/30 | =                     | 14,02     | Kg         |                   |       |      |        |      |       |
|                                        | 15<br>a                              | Balok 15/20           |           |            |                   |       |      |        |      |       |
|                                        |                                      | Pek. Bekisting Balok  | Panjang   |            |                   |       |      | =      | 1,43 | M2    |
| x                                      |                                      | 2,80                  |           |            |                   |       |      |        |      |       |
| y                                      |                                      | 1,80                  |           |            |                   |       |      |        |      |       |
| T. Panjang                             |                                      | 4,60                  |           |            |                   |       |      |        |      |       |
|                                        |                                      | P                     |           | x          | T                 | x     | Sisi |        |      |       |
|                                        | Total                                | 4,60                  | x         | 0,31       | x                 | 1,00  | =    | 1,43   |      |       |
|                                        | Jumlah Total                         |                       |           |            |                   |       | =    | 1,43   |      |       |
|                                        | b                                    | Pek. Pembetonan Balok | P         | x          | L                 | x     | T    | x      | Q    |       |
|                                        |                                      |                       | 4,60      | x          | 0,15              | x     | 0,08 | x      | 1,00 | =     |
| Jumlah Total                           |                                      |                       |           |            |                   |       | =    | 0,06   |      |       |
| c                                      |                                      | Pek. Pembesian Balok  |           |            |                   |       |      |        |      |       |
|                                        |                                      | Besi Diameter 10 mm   |           |            |                   |       |      |        | =    | 11,35 |
|                                        | Tulangan Utama                       |                       |           |            |                   |       |      |        |      |       |
|                                        | Panjang                              | =                     | 4,60      | M          |                   |       |      |        |      |       |
|                                        | Lebar                                | =                     | 0,15      | M          |                   |       |      |        |      |       |
| Tinggi                                 | =                                    | 0,20                  | M         |            |                   |       |      |        |      |       |
| Jumlah Besi                            |                                      |                       |           |            |                   |       |      |        |      |       |
| Tumpuan                                |                                      |                       |           |            |                   |       |      |        |      |       |
| Atas                                   | =                                    | 2,00                  | Bh        |            |                   |       |      |        |      |       |
| Tengah                                 | =                                    | 0,00                  | Bh        |            |                   |       |      |        |      |       |
| Bawah                                  | =                                    | 2,00                  | Bh        |            |                   |       |      |        |      |       |
| Lapangan                               |                                      |                       |           |            |                   |       |      |        |      |       |
| Atas                                   | =                                    | 2,00                  | Bh        |            |                   |       |      |        |      |       |
| Tengah                                 | =                                    | 0,00                  | Bh        |            |                   |       |      |        |      |       |
| Bawah                                  | =                                    | 2,00                  | Bh        |            |                   |       |      |        |      |       |
| Selimut Beton                          | =                                    | 0,025                 | M         |            |                   |       |      |        |      |       |
| Ukuran besi                            | =                                    | 0,010                 | M         |            |                   |       |      |        |      |       |
| Total Berat                            | =                                    | 0,617                 | Kg        |            |                   |       |      |        |      |       |
| Panjang Tulangan Atas                  | =                                    | 4,60                  | M'        |            |                   |       |      |        |      |       |
| Panjang Tulangan Tengah Tumpuan        | =                                    | 4,60                  | M'        |            |                   |       |      |        |      |       |
| Panjang Tulangan Tengah                | =                                    | 4,60                  | M'        |            |                   |       |      |        |      |       |
| Panjang Tulangan Tengah Lapangan       | =                                    | 4,60                  | M'        |            |                   |       |      |        |      |       |
| Panjang Tulangan Bawah                 | =                                    | 4,60                  | M'        |            |                   |       |      |        |      |       |
| Panjang Total Tulangan Atas            | =                                    | 9,20                  | M'        |            |                   |       |      |        |      |       |
| Panjang Total Tulangan Tengah Tumpuan  | =                                    | 0,00                  | M'        |            |                   |       |      |        |      |       |
| Panjang Total Tulangan Tengah          | =                                    | 0,00                  | M'        |            |                   |       |      |        |      |       |
| Panjang Total Tulangan Tengah Lapangan | =                                    | 0,00                  | M'        |            |                   |       |      |        |      |       |
| Panjang Total Tulangan Bawah           | =                                    | 9,20                  | M'        |            |                   |       |      |        |      |       |
| Panjang Total Keseluruhan              | =                                    | 18,40                 | M'        |            |                   |       |      |        |      |       |
| Total Berat Tu. Utama Balok 15/20      | =                                    | 11,35                 | Kg        |            |                   |       |      |        |      |       |
|                                        | Besi Diameter 6 mm                   |                       |           |            |                   |       |      | =      | 3,58 | Kg    |
|                                        | Tulangan Sengkang                    |                       |           |            |                   |       |      |        |      |       |
|                                        | Panjang                              | =                     | 4,60      | M          |                   |       |      |        |      |       |
|                                        | Lebar                                | =                     | 0,15      | M          |                   |       |      |        |      |       |
|                                        | Tinggi                               | =                     | 0,20      | M          |                   |       |      |        |      |       |
|                                        | Jarak Antar Tulangan                 | =                     | 0,15      | M          |                   |       |      |        |      |       |
|                                        | Jumlah Unit                          | =                     | 31,00     | Bh         |                   |       |      |        |      |       |
|                                        | Selimut Beton                        | =                     | 0,025     | M          |                   |       |      |        |      |       |
|                                        | Ukuran besi                          | =                     | 0,006     | M          |                   |       |      |        |      |       |
|                                        | Total Berat                          | =                     | 0,222     | Kg         |                   |       |      |        |      |       |
|                                        | Panjang Memanjang                    | =                     | 0,52      | M'         |                   |       |      |        |      |       |
|                                        | Total Panjang Memanjang              | =                     | 16,12     | M'         |                   |       |      |        |      |       |
|                                        | Total Berat Tu. Sengkang Balok 15/20 | =                     | 3,58      | Kg         |                   |       |      |        |      |       |

| NO. | URAIAN PEKERJAAN                        | URAIAN PERHITUNGAN                                                                                                                    |   |           |            |                   |                                      | VOLUME | SAT.   |         |    |
|-----|-----------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------|---|-----------|------------|-------------------|--------------------------------------|--------|--------|---------|----|
|     |                                         | Panjang (P)                                                                                                                           |   | Lebar (L) | Tinggi (T) | Banyak Luasan (Q) |                                      |        |        | Total   |    |
| 1   | 2                                       | 3                                                                                                                                     |   | 4         | 5          | 6                 |                                      | 7      | 8      | 9       |    |
| 16  | Plat Lantai                             | P                                                                                                                                     | x | L         |            | x                 | Q                                    | =      | 147,30 | M2      |    |
| a   | Pek. Bekisting Plat                     |                                                                                                                                       |   |           |            |                   |                                      |        |        |         |    |
|     | Plat Lantai Utama                       |                                                                                                                                       |   |           |            |                   |                                      |        |        |         |    |
|     | Luasan 1                                | 2,45                                                                                                                                  | x | 3,25      |            | x                 | 2,00                                 | =      | 15,93  |         |    |
|     | Luasan 2                                | 1,75                                                                                                                                  | x | 3,25      |            | x                 | 2,00                                 | =      | 11,38  |         |    |
|     | Luasan 3                                | 3,15                                                                                                                                  | x | 3,25      |            | x                 | 2,00                                 | =      | 20,48  |         |    |
|     | Luasan 4                                | 3,10                                                                                                                                  | x | 3,25      |            | x                 | 2,00                                 | =      | 20,15  |         |    |
|     | Luasan 5                                | 1,65                                                                                                                                  | x | 3,25      |            | x                 | 2,00                                 | =      | 10,73  |         |    |
|     | Luasan 6                                | 2,65                                                                                                                                  | x | 3,25      |            | x                 | 2,00                                 | =      | 17,23  |         |    |
|     | Luasan 7                                | 2,75                                                                                                                                  | x | 1,65      |            | x                 | 2,00                                 | =      | 9,08   |         |    |
|     | Luasan 8                                | 1,75                                                                                                                                  | x | 1,65      |            | x                 | 1,00                                 | =      | 2,89   |         |    |
|     | Luasan 9                                | 3,20                                                                                                                                  | x | 1,65      |            | x                 | 1,00                                 | =      | 5,28   |         |    |
|     | Luasan 10                               | 3,25                                                                                                                                  | x | 1,65      |            | x                 | 1,00                                 | =      | 5,36   |         |    |
|     | Luasan 11                               | 1,85                                                                                                                                  | x | 1,65      |            | x                 | 1,00                                 | =      | 3,05   |         |    |
|     | Luasan 12                               | 2,55                                                                                                                                  | x | 1,65      |            | x                 | 1,00                                 | =      | 4,21   |         |    |
|     | Luasan 13                               | 2,65                                                                                                                                  | x | 0,52      |            | x                 | 1,00                                 | =      | 1,38   |         |    |
|     | Luasan 14                               | 1,75                                                                                                                                  | x | 1,60      |            | x                 | 1,00                                 | =      | 2,80   |         |    |
|     | Luasan 15                               | 1,75                                                                                                                                  | x | 1,15      |            | x                 | 1,00                                 | =      | 2,01   |         |    |
|     | Luasan 16                               | 3,20                                                                                                                                  | x | 1,15      |            | x                 | 1,00                                 | =      | 3,68   |         |    |
|     | Luasan 17                               | 3,25                                                                                                                                  | x | 1,15      |            | x                 | 1,00                                 | =      | 3,74   |         |    |
|     | WC                                      | 1,25                                                                                                                                  | x | 1,75      |            | x                 | 2,00                                 | =      | 4,38   |         |    |
|     | Bordes                                  | 2,65                                                                                                                                  | x | 1,35      |            | x                 | 1,00                                 | =      | 3,58   |         |    |
|     |                                         |                                                                                                                                       |   |           |            |                   | Jumlah Total                         | =      | 147,30 |         |    |
| b   | Pek. Pembetonan Plat                    | P                                                                                                                                     | x | L         | x          | T                 | x                                    | Q      | =      | 23,52   | M3 |
|     | Plat Lantai Utama                       | 17,00                                                                                                                                 | x | 7,45      | x          | 0,12              | x                                    | 1,00   | =      | 15,20   |    |
|     |                                         | 3,00                                                                                                                                  | x | 3,80      | x          | 0,12              | x                                    | 1,00   | =      | 1,37    |    |
|     |                                         | 3,00                                                                                                                                  | x | 1,10      | x          | 0,12              | x                                    | 1,00   | =      | 0,40    |    |
|     |                                         | 20,00                                                                                                                                 | x | 1,90      | x          | 0,12              | x                                    | 1,00   | =      | 4,56    |    |
|     |                                         | 2,25                                                                                                                                  | x | 1,60      | x          | 0,12              | x                                    | 1,00   | =      | 0,43    |    |
|     |                                         | 9,30                                                                                                                                  | x | 1,40      | x          | 0,12              | x                                    | 1,00   | =      | 1,56    |    |
|     |                                         |                                                                                                                                       |   |           |            |                   | Jumlah Total                         | =      | 23,52  |         |    |
| c   | Pek. Pembesian Plat Besi Diameter 10 mm |                                                                                                                                       |   |           |            |                   |                                      |        | =      | 2522,16 | Kg |
|     |                                         | Contoh Perhitungan Pembesian Plat Lantai                                                                                              |   |           |            |                   |                                      |        |        |         |    |
|     |                                         |                                                                                                                                       |   |           |            |                   |                                      |        |        |         |    |
|     |                                         | Rumus Perhitungan Plat Lantai Arah X                                                                                                  |   |           |            |                   | Rumus Perhitungan Plat Lantai Arah Y |        |        |         |    |
|     |                                         |                                                                                                                                       |   |           |            |                   |                                      |        |        |         |    |
|     |                                         | Luasan 1 (Arah X)<br>Lx 2,83 m<br>Ly 3,56 m                                                                                           |   |           |            |                   |                                      |        |        |         |    |
|     |                                         | 1. Tumpuan X 1<br>Panjang (a) 2,83 m<br>Panjang Total 2,83 m                                                                          |   |           |            |                   |                                      |        |        |         |    |
|     |                                         | Jarak Tulangan 0,20 m<br>Ukuran Besi 0,010 m<br>Berat Tul 0,617 Kg/m<br>jumlah besi 9,00 Bh                                           |   |           |            |                   |                                      |        |        |         |    |
|     |                                         | Panjang Besi 1 Luasan 25,47 m<br>Total Luasan 2,00 Bh<br>Total Panjang Besi 1 Luasan 50,94 m<br>Berat Total Besi Tumpuan X 1 31,43 Kg |   |           |            |                   |                                      |        |        |         |    |

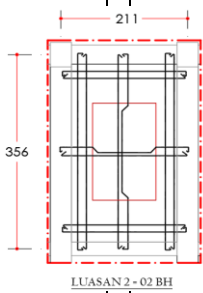
| NO. | URAIAN PEKERJAAN                 | URAIAN PERHITUNGAN |      |             |            |                   |   | VOLUME       | SAT.   |
|-----|----------------------------------|--------------------|------|-------------|------------|-------------------|---|--------------|--------|
|     |                                  | Panjang (P)        |      | Lebar (L)   | Tinggi (T) | Banyak Luasan (Q) |   | Total        |        |
| 1   | 2                                | 3                  |      | 4           | 5          | 6                 |   | 7            | 8      |
|     | 2. Tumpuan X 2                   |                    |      |             |            |                   |   |              |        |
|     | Panjang (a)                      | 2,83               | m    |             |            |                   |   |              |        |
|     | Panjang Total                    | 2,83               | m    |             |            |                   |   |              |        |
|     | Jarak Tulangan                   | 0,20               | m    |             |            |                   |   |              |        |
|     | Ukuran Besi                      | 0,010              | m    |             |            |                   |   |              |        |
|     | Berat Tul                        | 0,617              | Kg/m |             |            |                   |   |              |        |
|     | jumlah besi                      | 9,00               | Bh   |             |            |                   |   |              |        |
|     | Panjang Besi 1 Luasan            | 25,47              | m    |             |            |                   |   |              |        |
|     | Total Luasan                     | 2,00               | Bh   |             |            |                   |   |              |        |
|     | Total Panjang Besi 1 Luasan      | 50,94              | m    |             |            |                   |   |              |        |
|     | Berat Total Besi Tumpuan X 2     | 31,43              | Kg   |             |            |                   |   |              |        |
|     | 3. Lapangan X 1                  |                    |      |             |            |                   |   |              |        |
|     | Panjang (a)                      | 1,42               | m    |             |            |                   |   |              |        |
|     | Panjang (b)                      | 0,71               | m    |             |            |                   |   |              |        |
|     |                                  | 0,71               | m    |             |            |                   |   |              |        |
|     | Panjang (c)                      | 0,11               | m    |             |            |                   |   |              |        |
|     |                                  | 0,11               | m    |             |            |                   |   |              |        |
|     | Panjang Total                    | 3,06               | m    |             |            |                   |   |              |        |
|     | Jarak Tulangan                   | 0,20               | m    |             |            |                   |   |              |        |
|     | Ukuran Besi                      | 0,010              | m    |             |            |                   |   |              |        |
|     | Berat Tul                        | 0,617              | Kg/m |             |            |                   |   |              |        |
|     | jumlah besi                      | 9,00               | Bh   |             |            |                   |   |              |        |
|     | Panjang Besi 1 Luasan            | 27,51              | m    |             |            |                   |   |              |        |
|     | Total Luasan                     | 2,00               | Bh   |             |            |                   |   |              |        |
|     | Total Panjang Besi 1 Luasan      | 55,01              | m    |             |            |                   |   |              |        |
|     | Berat Total Besi lapangan X 1    | 33,94              | Kg   |             |            |                   |   |              |        |
|     | 4. Lapangan X 2                  |                    |      |             |            |                   |   |              |        |
|     | Panjang (a)                      | 2,83               | m    |             |            |                   |   |              |        |
|     | Panjang Total                    | 2,83               | m    |             |            |                   |   |              |        |
|     | Jarak Tulangan                   | 0,20               | m    |             |            |                   |   |              |        |
|     | Ukuran Besi                      | 0,010              | m    |             |            |                   |   |              |        |
|     | Berat Tul                        | 0,617              | Kg/m |             |            |                   |   |              |        |
|     | jumlah besi                      | 9,00               | Bh   |             |            |                   |   |              |        |
|     | Panjang Besi 1 Luasan            | 25,47              | m    |             |            |                   |   |              |        |
|     | Total Luasan                     | 2,00               | Bh   |             |            |                   |   |              |        |
|     | Total Panjang Besi 1 Luasan      | 50,94              | m    |             |            |                   |   |              |        |
|     | Berat Total Besi Lapangan X 2    | 31,43              | Kg   |             |            |                   |   |              |        |
|     | Total Penulangan Luasan 1 Arah X | Tumpuan X 1        | +    | Tumpuan X 2 | +          | Lapangan X 1      | + | Lapangan X 1 | =      |
|     |                                  | 31,43              | +    | 31,43       | +          | 33,94             | + | 31,43        | 128,23 |
|     | Luasan 1 (Arah Y)                |                    |      |             |            |                   |   |              |        |
|     | Lx                               | 2,83               | m    |             |            |                   |   |              |        |
|     | Ly                               | 3,56               | m    |             |            |                   |   |              |        |
|     | 1. Tumpuan Y 1                   |                    |      |             |            |                   |   |              |        |
|     | Panjang (a)                      | 3,56               | m    |             |            |                   |   |              |        |
|     | Panjang Total                    | 3,56               | m    |             |            |                   |   |              |        |
|     | Jarak Tulangan                   | 0,20               | m    |             |            |                   |   |              |        |
|     | Ukuran Besi                      | 0,010              | m    |             |            |                   |   |              |        |
|     | Berat Tul                        | 0,617              | Kg/m |             |            |                   |   |              |        |
|     | jumlah besi                      | 8,00               | Bh   |             |            |                   |   |              |        |
|     | Panjang Besi 1 Luasan            | 28,48              | m    |             |            |                   |   |              |        |
|     | Total Luasan                     | 2,00               | Bh   |             |            |                   |   |              |        |
|     | Total Panjang Besi 1 Luasan      | 56,96              | m    |             |            |                   |   |              |        |
|     | Berat Total Besi Tumpuan Y 1     | 35,14              | Kg   |             |            |                   |   |              |        |
|     | 2. Tumpuan Y 2                   |                    |      |             |            |                   |   |              |        |
|     | Panjang (a)                      | 3,56               | m    |             |            |                   |   |              |        |
|     | Panjang Total                    | 3,56               | m    |             |            |                   |   |              |        |
|     | Jarak Tulangan                   | 0,20               | m    |             |            |                   |   |              |        |
|     | Ukuran Besi                      | 0,010              | m    |             |            |                   |   |              |        |
|     | Berat Tul                        | 0,617              | Kg/m |             |            |                   |   |              |        |
|     | jumlah besi                      | 8,00               | Bh   |             |            |                   |   |              |        |
|     | Panjang Besi 1 Luasan            | 28,48              | m    |             |            |                   |   |              |        |
|     | Total Luasan                     | 2,00               | Bh   |             |            |                   |   |              |        |
|     | Total Panjang Besi 1 Luasan      | 56,96              | m    |             |            |                   |   |              |        |
|     | Berat Total Besi Tumpuan Y 2     | 35,14              | Kg   |             |            |                   |   |              |        |

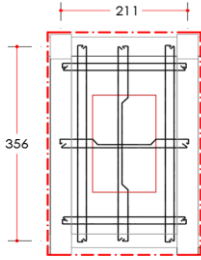


| NO. | URAIAN PEKERJAAN                 | URAIAN PERHITUNGAN |      |             |   |              |                   | VOLUME       | SAT.     |
|-----|----------------------------------|--------------------|------|-------------|---|--------------|-------------------|--------------|----------|
|     |                                  | Panjang (P)        |      | Lebar (L)   |   | Tinggi (T)   | Banyak Luasan (Q) |              |          |
| 1   | 2                                | 3                  |      | 4           |   | 5            | 6                 | 7            | 8        |
|     | 3. Lapangan Y 1                  |                    |      |             |   |              |                   |              |          |
|     | Panjang (a)                      | 1,78               | m    |             |   |              |                   |              |          |
|     | Panjang (b)                      | 0,89               | m    |             |   |              |                   |              |          |
|     |                                  | 0,89               | m    |             |   |              |                   |              |          |
|     | Panjang (c)                      | 0,11               | m    |             |   |              |                   |              |          |
|     |                                  | 0,11               | m    |             |   |              |                   |              |          |
|     | Panjang Total                    | 3,79               | m    |             |   |              |                   |              |          |
|     | Jarak Tulangan                   | 0,20               | m    |             |   |              |                   |              |          |
|     | Ukuran Besi                      | 0,010              | m    |             |   |              |                   |              |          |
|     | Berat Tul                        | 0,617              | Kg/m |             |   |              |                   |              |          |
|     | jumlah besi                      | 8,00               | Bh   |             |   |              |                   |              |          |
|     | Panjang Besi 1 Luasan            | 30,29              | m    |             |   |              |                   |              |          |
|     | Total Luasan                     | 2,00               | Bh   |             |   |              |                   |              |          |
|     | Total Panjang Besi 1 Luasan      | 60,58              | m    |             |   |              |                   |              |          |
|     | Berat Total Besi lapangan Y 1    | 37,38              | Kg   |             |   |              |                   |              |          |
|     | 4. Lapangan Y 2                  |                    |      |             |   |              |                   |              |          |
|     | Panjang (a)                      | 3,56               | m    |             |   |              |                   |              |          |
|     | Panjang Total                    | 3,56               | m    |             |   |              |                   |              |          |
|     | Jarak Tulangan                   | 0,20               | m    |             |   |              |                   |              |          |
|     | Ukuran Besi                      | 0,010              | m    |             |   |              |                   |              |          |
|     | Berat Tul                        | 0,617              | Kg/m |             |   |              |                   |              |          |
|     | jumlah besi                      | 8,00               | Bh   |             |   |              |                   |              |          |
|     | Panjang Besi 1 Luasan            | 28,48              | m    |             |   |              |                   |              |          |
|     | Total Luasan                     | 2,00               | Bh   |             |   |              |                   |              |          |
|     | Total Panjang Besi 1 Luasan      | 56,96              | m    |             |   |              |                   |              |          |
|     | Berat Total Besi Lapangan Y 2    | 35,14              | Kg   |             |   |              |                   |              |          |
|     | Total Penulangan Luasan 1 Arah Y | Tumpuan Y 1        | +    | Tumpuan Y 2 | + | Lapangan Y 1 | +                 | Lapangan Y 2 | =        |
|     |                                  | 35,14              | +    | 35,14       | + | 37,38        | +                 | 35,14        | = 142,81 |
|     | Total Penulangan Luasan 1        | Arah X             | +    | Arah Y      |   |              |                   |              | =        |
|     |                                  | 128,23             | +    | 142,81      |   |              |                   |              | = 271,04 |
|     | Luasan 2 (Arah X)                |                    |      |             |   |              |                   |              |          |
|     | Lx                               | 2,11               | m    |             |   |              |                   |              |          |
|     | Ly                               | 3,56               | m    |             |   |              |                   |              |          |
|     | 1. Tumpuan X 1                   |                    |      |             |   |              |                   |              |          |
|     | Panjang (a)                      | 2,11               | m    |             |   |              |                   |              |          |
|     | Panjang Total                    | 2,11               | m    |             |   |              |                   |              |          |
|     | Jarak Tulangan                   | 0,20               | m    |             |   |              |                   |              |          |
|     | Ukuran Besi                      | 0,010              | m    |             |   |              |                   |              |          |
|     | Berat Tul                        | 0,617              | Kg/m |             |   |              |                   |              |          |
|     | jumlah besi                      | 9,00               | Bh   |             |   |              |                   |              |          |
|     | Panjang Besi 1 Luasan            | 18,99              | m    |             |   |              |                   |              |          |
|     | Total Luasan                     | 2,00               | Bh   |             |   |              |                   |              |          |
|     | Total Panjang Besi 1 Luasan      | 37,98              | m    |             |   |              |                   |              |          |
|     | Berat Total Besi Tumpuan X 1     | 23,43              | Kg   |             |   |              |                   |              |          |
|     | 2. Tumpuan X 2                   |                    |      |             |   |              |                   |              |          |
|     | Panjang (a)                      | 2,11               | m    |             |   |              |                   |              |          |
|     | Panjang Total                    | 2,11               | m    |             |   |              |                   |              |          |
|     | Jarak Tulangan                   | 0,20               | m    |             |   |              |                   |              |          |
|     | Ukuran Besi                      | 0,010              | m    |             |   |              |                   |              |          |
|     | Berat Tul                        | 0,617              | Kg/m |             |   |              |                   |              |          |
|     | jumlah besi                      | 9,00               | Bh   |             |   |              |                   |              |          |
|     | Panjang Besi 1 Luasan            | 18,99              | m    |             |   |              |                   |              |          |
|     | Total Luasan                     | 2,00               | Bh   |             |   |              |                   |              |          |
|     | Total Panjang Besi 1 Luasan      | 37,98              | m    |             |   |              |                   |              |          |
|     | Berat Total Besi Tumpuan X 2     | 23,43              | Kg   |             |   |              |                   |              |          |
|     | 3. Lapangan X 1                  |                    |      |             |   |              |                   |              |          |
|     | Panjang (a)                      | 1,06               | m    |             |   |              |                   |              |          |
|     | Panjang (b)                      | 0,53               | m    |             |   |              |                   |              |          |
|     |                                  | 0,53               | m    |             |   |              |                   |              |          |
|     | Panjang (c)                      | 0,11               | m    |             |   |              |                   |              |          |
|     |                                  | 0,11               | m    |             |   |              |                   |              |          |
|     | Panjang Total                    | 2,34               | m    |             |   |              |                   |              |          |

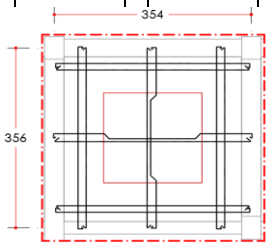


| NO. | URAIAN PEKERJAAN                 | URAIAN PERHITUNGAN |           |             |                   |              | VOLUME | SAT.         |
|-----|----------------------------------|--------------------|-----------|-------------|-------------------|--------------|--------|--------------|
|     |                                  | Panjang (P)        | Lebar (L) | Tinggi (T)  | Banyak Luasan (Q) | Total        |        |              |
| 1   | 2                                | 3                  | 4         | 5           | 6                 | 7            | 8      | 9            |
|     | Jarak Tulangan                   | 0,20               | m         |             |                   |              |        |              |
|     | Ukuran Besi                      | 0,010              | m         |             |                   |              |        |              |
|     | Berat Tul                        | 0,617              | Kg/m      |             |                   |              |        |              |
|     | jumlah besi                      | 9,00               | Bh        |             |                   |              |        |              |
|     | Panjang Besi 1 Luasan            | 21,03              | m         |             |                   |              |        |              |
|     | Total Luasan                     | 2,00               | Bh        |             |                   |              |        |              |
|     | Total Panjang Besi 1 Luasan      | 42,05              | m         |             |                   |              |        |              |
|     | Berat Total Besi lapangan X 1    | 25,95              | Kg        |             |                   |              |        |              |
|     | 4. Lapangan X 2                  |                    |           |             |                   |              |        |              |
|     | Panjang (a)                      | 2,11               | m         |             |                   |              |        |              |
|     | Panjang Total                    | 2,11               | m         |             |                   |              |        |              |
|     | Jarak Tulangan                   | 0,20               | m         |             |                   |              |        |              |
|     | Ukuran Besi                      | 0,010              | m         |             |                   |              |        |              |
|     | Berat Tul                        | 0,617              | Kg/m      |             |                   |              |        |              |
|     | jumlah besi                      | 9,00               | Bh        |             |                   |              |        |              |
|     | Panjang Besi 1 Luasan            | 18,99              | m         |             |                   |              |        |              |
|     | Total Luasan                     | 2,00               | Bh        |             |                   |              |        |              |
|     | Total Panjang Besi 1 Luasan      | 37,98              | m         |             |                   |              |        |              |
|     | Berat Total Besi Lapangan X 2    | 23,43              | Kg        |             |                   |              |        |              |
|     | Total Penulangan Luasan 2 Arah X | Tumpuan X 1        | +         | Tumpuan X 2 | +                 | Lapangan X 1 | +      | Lapangan X 1 |
|     |                                  | 23,43              | +         | 23,43       | +                 | 25,95        | +      | 23,43        |
|     |                                  |                    |           |             |                   |              | =      | 96,25        |
|     | Luasan 2 (Arah Y)                |                    |           |             |                   |              |        |              |
|     | Lx                               | 2,11               | m         |             |                   |              |        |              |
|     | Ly                               | 3,56               | m         |             |                   |              |        |              |
|     | 1. Tumpuan Y 1                   |                    |           |             |                   |              |        |              |
|     | Panjang (a)                      | 3,56               | m         |             |                   |              |        |              |
|     | Panjang Total                    | 3,56               | m         |             |                   |              |        |              |
|     | Jarak Tulangan                   | 0,20               | m         |             |                   |              |        |              |
|     | Ukuran Besi                      | 0,010              | m         |             |                   |              |        |              |
|     | Berat Tul                        | 0,617              | Kg/m      |             |                   |              |        |              |
|     | jumlah besi                      | 6,00               | Bh        |             |                   |              |        |              |
|     | Panjang Besi 1 Luasan            | 21,36              | m         |             |                   |              |        |              |
|     | Total Luasan                     | 2,00               | Bh        |             |                   |              |        |              |
|     | Total Panjang Besi 1 Luasan      | 42,72              | m         |             |                   |              |        |              |
|     | Berat Total Besi Tumpuan Y 1     | 26,36              | Kg        |             |                   |              |        |              |
|     | 2. Tumpuan Y 2                   |                    |           |             |                   |              |        |              |
|     | Panjang (a)                      | 3,56               | m         |             |                   |              |        |              |
|     | Panjang Total                    | 3,56               | m         |             |                   |              |        |              |
|     | Jarak Tulangan                   | 0,20               | m         |             |                   |              |        |              |
|     | Ukuran Besi                      | 0,010              | m         |             |                   |              |        |              |
|     | Berat Tul                        | 0,617              | Kg/m      |             |                   |              |        |              |
|     | jumlah besi                      | 6,00               | Bh        |             |                   |              |        |              |
|     | Panjang Besi 1 Luasan            | 21,36              | m         |             |                   |              |        |              |
|     | Total Luasan                     | 2,00               | Bh        |             |                   |              |        |              |
|     | Total Panjang Besi 1 Luasan      | 42,72              | m         |             |                   |              |        |              |
|     | Berat Total Besi Tumpuan Y 2     | 26,36              | Kg        |             |                   |              |        |              |
|     | 3. Lapangan Y 1                  |                    |           |             |                   |              |        |              |
|     | Panjang (a)                      | 1,78               | m         |             |                   |              |        |              |
|     | Panjang (b)                      | 0,89               | m         |             |                   |              |        |              |
|     |                                  | 0,89               | m         |             |                   |              |        |              |
|     | Panjang (c)                      | 0,11               | m         |             |                   |              |        |              |
|     |                                  | 0,11               | m         |             |                   |              |        |              |
|     | Panjang Total                    | 3,79               | m         |             |                   |              |        |              |
|     | Jarak Tulangan                   | 0,20               | m         |             |                   |              |        |              |
|     | Ukuran Besi                      | 0,010              | m         |             |                   |              |        |              |
|     | Berat Tul                        | 0,617              | Kg/m      |             |                   |              |        |              |
|     | jumlah besi                      | 6,00               | Bh        |             |                   |              |        |              |
|     | Panjang Besi 1 Luasan            | 22,72              | m         |             |                   |              |        |              |
|     | Total Luasan                     | 2,00               | Bh        |             |                   |              |        |              |
|     | Total Panjang Besi 1 Luasan      | 45,44              | m         |             |                   |              |        |              |
|     | Berat Total Besi lapangan Y 1    | 28,03              | Kg        |             |                   |              |        |              |



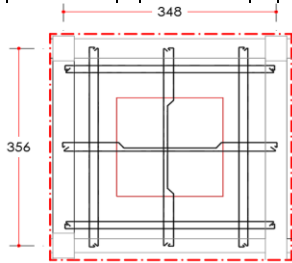


| NO. | URAIAN PEKERJAAN                 | URAIAN PERHITUNGAN |      |             |   |              |                   | VOLUME       | SAT. |        |
|-----|----------------------------------|--------------------|------|-------------|---|--------------|-------------------|--------------|------|--------|
|     |                                  | Panjang (P)        |      | Lebar (L)   |   | Tinggi (T)   | Banyak Luasan (Q) |              |      | Total  |
| 1   | 2                                | 3                  |      | 4           |   | 5            | 6                 | 7            | 8    | 9      |
|     | 4. Lapangan Y 2                  |                    |      |             |   |              |                   |              |      |        |
|     | Panjang (a)                      | 3,56               | m    |             |   |              |                   |              |      |        |
|     | Panjang Total                    | 3,56               | m    |             |   |              |                   |              |      |        |
|     | Jarak Tulangan                   | 0,20               | m    |             |   |              |                   |              |      |        |
|     | Ukuran Besi                      | 0,010              | m    |             |   |              |                   |              |      |        |
|     | Berat Tul                        | 0,617              | Kg/m |             |   |              |                   |              |      |        |
|     | jumlah besi                      | 6,00               | Bh   |             |   |              |                   |              |      |        |
|     | Panjang Besi 1 Luasan            | 21,36              | m    |             |   |              |                   |              |      |        |
|     | Total Luasan                     | 2,00               | Bh   |             |   |              |                   |              |      |        |
|     | Total Panjang Besi 1 Luasan      | 42,72              | m    |             |   |              |                   |              |      |        |
|     | Berat Total Besi Lapangan Y 2    | 26,36              | Kg   |             |   |              |                   |              |      |        |
|     | Total Penulangan Luasan 2 Arah Y | Tumpuan Y 1        | +    | Tumpuan Y 2 | + | Lapangan Y 1 | +                 | Lapangan Y 2 | =    | 107,11 |
|     |                                  | 26,36              | +    | 26,36       | + | 28,03        | +                 | 26,36        | =    |        |
|     | Total Penulangan Luasan 2        | Arah X             | +    | Arah Y      |   |              |                   |              | =    | 203,36 |
|     |                                  | 96,25              | +    | 107,11      |   |              |                   |              |      |        |
|     | Luasan 3 (Arah X)                |                    |      |             |   |              |                   |              |      |        |
|     | Lx                               | 3,54               | m    |             |   |              |                   |              |      |        |
|     | Ly                               | 3,56               | m    |             |   |              |                   |              |      |        |
|     | 1. Tumpuan X 1                   |                    |      |             |   |              |                   |              |      |        |
|     | Panjang (a)                      | 3,54               | m    |             |   |              |                   |              |      |        |
|     | Panjang Total                    | 3,54               | m    |             |   |              |                   |              |      |        |
|     | Jarak Tulangan                   | 0,20               | m    |             |   |              |                   |              |      |        |
|     | Ukuran Besi                      | 0,010              | m    |             |   |              |                   |              |      |        |
|     | Berat Tul                        | 0,617              | Kg/m |             |   |              |                   |              |      |        |
|     | jumlah besi                      | 9,00               | Bh   |             |   |              |                   |              |      |        |
|     | Panjang Besi 1 Luasan            | 31,86              | m    |             |   |              |                   |              |      |        |
|     | Total Luasan                     | 2,00               | Bh   |             |   |              |                   |              |      |        |
|     | Total Panjang Besi 1 Luasan      | 63,72              | m    |             |   |              |                   |              |      |        |
|     | Berat Total Besi Tumpuan X 1     | 39,32              | Kg   |             |   |              |                   |              |      |        |
|     | 2. Tumpuan X 2                   |                    |      |             |   |              |                   |              |      |        |
|     | Panjang (a)                      | 3,54               | m    |             |   |              |                   |              |      |        |
|     | Panjang Total                    | 3,54               | m    |             |   |              |                   |              |      |        |
|     | Jarak Tulangan                   | 0,20               | m    |             |   |              |                   |              |      |        |
|     | Ukuran Besi                      | 0,010              | m    |             |   |              |                   |              |      |        |
|     | Berat Tul                        | 0,617              | Kg/m |             |   |              |                   |              |      |        |
|     | jumlah besi                      | 9,00               | Bh   |             |   |              |                   |              |      |        |
|     | Panjang Besi 1 Luasan            | 31,86              | m    |             |   |              |                   |              |      |        |
|     | Total Luasan                     | 2,00               | Bh   |             |   |              |                   |              |      |        |
|     | Total Panjang Besi 1 Luasan      | 63,72              | m    |             |   |              |                   |              |      |        |
|     | Berat Total Besi Tumpuan X 2     | 39,32              | Kg   |             |   |              |                   |              |      |        |
|     | 3. Lapangan X 1                  |                    |      |             |   |              |                   |              |      |        |
|     | Panjang (a)                      | 1,77               | m    |             |   |              |                   |              |      |        |
|     | Panjang (b)                      | 0,89               | m    |             |   |              |                   |              |      |        |
|     | Panjang (c)                      | 0,89               | m    |             |   |              |                   |              |      |        |
|     | Panjang (d)                      | 0,11               | m    |             |   |              |                   |              |      |        |
|     | Panjang (e)                      | 0,11               | m    |             |   |              |                   |              |      |        |
|     | Panjang Total                    | 3,77               | m    |             |   |              |                   |              |      |        |
|     | Jarak Tulangan                   | 0,20               | m    |             |   |              |                   |              |      |        |
|     | Ukuran Besi                      | 0,010              | m    |             |   |              |                   |              |      |        |
|     | Berat Tul                        | 0,617              | Kg/m |             |   |              |                   |              |      |        |
|     | jumlah besi                      | 9,00               | Bh   |             |   |              |                   |              |      |        |
|     | Panjang Besi 1 Luasan            | 33,90              | m    |             |   |              |                   |              |      |        |
|     | Total Luasan                     | 2,00               | Bh   |             |   |              |                   |              |      |        |
|     | Total Panjang Besi 1 Luasan      | 67,79              | m    |             |   |              |                   |              |      |        |
|     | Berat Total Besi lapangan X 1    | 41,83              | Kg   |             |   |              |                   |              |      |        |
|     | 4. Lapangan X 2                  |                    |      |             |   |              |                   |              |      |        |
|     | Panjang (a)                      | 3,54               | m    |             |   |              |                   |              |      |        |
|     | Panjang Total                    | 3,54               | m    |             |   |              |                   |              |      |        |
|     | Jarak Tulangan                   | 0,20               | m    |             |   |              |                   |              |      |        |
|     | Ukuran Besi                      | 0,010              | m    |             |   |              |                   |              |      |        |
|     | Berat Tul                        | 0,617              | Kg/m |             |   |              |                   |              |      |        |
|     | jumlah besi                      | 9,00               | Bh   |             |   |              |                   |              |      |        |
|     | Panjang Besi 1 Luasan            | 31,86              | m    |             |   |              |                   |              |      |        |
|     | Total Luasan                     | 2,00               | Bh   |             |   |              |                   |              |      |        |
|     | Total Panjang Besi 1 Luasan      | 63,72              | m    |             |   |              |                   |              |      |        |
|     | Berat Total Besi Lapangan X 2    | 39,32              | Kg   |             |   |              |                   |              |      |        |
|     | Total Penulangan Luasan 3 Arah X | Tumpuan X 1        | +    | Tumpuan X 2 | + | Lapangan X 1 | +                 | Lapangan X 1 | =    | 159,77 |
|     |                                  | 39,32              | +    | 39,32       | + | 41,83        | +                 | 39,32        | =    |        |



| NO. | URAIAN PEKERJAAN                 | URAIAN PERHITUNGAN |           |             |                   |              | VOLUME | SAT.         |
|-----|----------------------------------|--------------------|-----------|-------------|-------------------|--------------|--------|--------------|
|     |                                  | Panjang (P)        | Lebar (L) | Tinggi (T)  | Banyak Luasan (Q) | Total        |        |              |
| 1   | 2                                | 3                  | 4         | 5           | 6                 | 7            | 8      | 9            |
|     | Luasan 3 (Arah Y)                |                    |           |             |                   |              |        |              |
|     | Lx                               | 3,54               | m         |             |                   |              |        |              |
|     | Ly                               | 3,56               | m         |             |                   |              |        |              |
|     | 1. Tumpuan Y 1                   |                    |           |             |                   |              |        |              |
|     | Panjang (a)                      | 3,56               | m         |             |                   |              |        |              |
|     | Panjang Total                    | 3,56               | m         |             |                   |              |        |              |
|     | Jarak Tulangan                   | 0,20               | m         |             |                   |              |        |              |
|     | Ukuran Besi                      | 0,010              | m         |             |                   |              |        |              |
|     | Berat Tul                        | 0,617              | Kg/m      |             |                   |              |        |              |
|     | jumlah besi                      | 9,00               | Bh        |             |                   |              |        |              |
|     | Panjang Besi 1 Luasan            | 32,04              | m         |             |                   |              |        |              |
|     | Total Luasan                     | 2,00               | Bh        |             |                   |              |        |              |
|     | Total Panjang Besi 1 Luasan      | 64,08              | m         |             |                   |              |        |              |
|     | Berat Total Besi Tumpuan Y 1     | 39,54              | Kg        |             |                   |              |        |              |
|     | 2. Tumpuan Y 2                   |                    |           |             |                   |              |        |              |
|     | Panjang (a)                      | 3,56               | m         |             |                   |              |        |              |
|     | Panjang Total                    | 3,56               | m         |             |                   |              |        |              |
|     | Jarak Tulangan                   | 0,20               | m         |             |                   |              |        |              |
|     | Ukuran Besi                      | 0,010              | m         |             |                   |              |        |              |
|     | Berat Tul                        | 0,617              | Kg/m      |             |                   |              |        |              |
|     | jumlah besi                      | 9,00               | Bh        |             |                   |              |        |              |
|     | Panjang Besi 1 Luasan            | 32,04              | m         |             |                   |              |        |              |
|     | Total Luasan                     | 2,00               | Bh        |             |                   |              |        |              |
|     | Total Panjang Besi 1 Luasan      | 64,08              | m         |             |                   |              |        |              |
|     | Berat Total Besi Tumpuan Y 2     | 39,54              | Kg        |             |                   |              |        |              |
|     | 3. Lapangan Y 1                  |                    |           |             |                   |              |        |              |
|     | Panjang (a)                      | 1,78               | m         |             |                   |              |        |              |
|     | Panjang (b)                      | 0,89               | m         |             |                   |              |        |              |
|     |                                  | 0,89               | m         |             |                   |              |        |              |
|     | Panjang (c)                      | 0,11               | m         |             |                   |              |        |              |
|     |                                  | 0,11               | m         |             |                   |              |        |              |
|     | Panjang Total                    | 3,79               | m         |             |                   |              |        |              |
|     | Jarak Tulangan                   | 0,20               | m         |             |                   |              |        |              |
|     | Ukuran Besi                      | 0,010              | m         |             |                   |              |        |              |
|     | Berat Tul                        | 0,617              | Kg/m      |             |                   |              |        |              |
|     | jumlah besi                      | 9,00               | Bh        |             |                   |              |        |              |
|     | Panjang Besi 1 Luasan            | 34,08              | m         |             |                   |              |        |              |
|     | Total Luasan                     | 2,00               | Bh        |             |                   |              |        |              |
|     | Total Panjang Besi 1 Luasan      | 68,15              | m         |             |                   |              |        |              |
|     | Berat Total Besi lapangan Y 1    | 42,05              | Kg        |             |                   |              |        |              |
|     | 4. Lapangan Y 2                  |                    |           |             |                   |              |        |              |
|     | Panjang (a)                      | 3,56               | m         |             |                   |              |        |              |
|     | Panjang Total                    | 3,56               | m         |             |                   |              |        |              |
|     | Jarak Tulangan                   | 0,20               | m         |             |                   |              |        |              |
|     | Ukuran Besi                      | 0,010              | m         |             |                   |              |        |              |
|     | Berat Tul                        | 0,617              | Kg/m      |             |                   |              |        |              |
|     | jumlah besi                      | 9,00               | Bh        |             |                   |              |        |              |
|     | Panjang Besi 1 Luasan            | 32,04              | m         |             |                   |              |        |              |
|     | Total Luasan                     | 2,00               | Bh        |             |                   |              |        |              |
|     | Total Panjang Besi 1 Luasan      | 64,08              | m         |             |                   |              |        |              |
|     | Berat Total Besi Lapangan Y 2    | 39,54              | Kg        |             |                   |              |        |              |
|     | Total Penulangan Luasan 3 Arah Y | Tumpuan Y 1        | +         | Tumpuan Y 2 | +                 | Lapangan Y 1 | +      | Lapangan Y 2 |
|     |                                  | 39,54              | +         | 39,54       | +                 | 42,05        | +      | 39,54        |
|     |                                  |                    |           |             |                   |              | =      | 160,66       |
|     | Total Penulangan Luasan 3        | Arah X             | +         | Arah Y      |                   |              |        |              |
|     |                                  | 159,77             | +         | 160,66      |                   |              | =      | 320,44       |
|     | Luasan 4 (Arah X)                |                    |           |             |                   |              |        |              |
|     | Lx                               | 3,48               | m         |             |                   |              |        |              |
|     | Ly                               | 3,56               | m         |             |                   |              |        |              |
|     | 1. Tumpuan X 1                   |                    |           |             |                   |              |        |              |
|     | Panjang (a)                      | 3,48               | m         |             |                   |              |        |              |
|     | Panjang Total                    | 3,48               | m         |             |                   |              |        |              |
|     | Jarak Tulangan                   | 0,20               | m         |             |                   |              |        |              |
|     | Ukuran Besi                      | 0,010              | m         |             |                   |              |        |              |
|     | Berat Tul                        | 0,617              | Kg/m      |             |                   |              |        |              |
|     | jumlah besi                      | 9,00               | Bh        |             |                   |              |        |              |
|     | Panjang Besi 1 Luasan            | 31,32              | m         |             |                   |              |        |              |
|     | Total Luasan                     | 2,00               | Bh        |             |                   |              |        |              |
|     | Total Panjang Besi 1 Luasan      | 62,64              | m         |             |                   |              |        |              |
|     | Berat Total Besi Tumpuan X 1     | 38,65              | Kg        |             |                   |              |        |              |

| NO. | URAIAN PEKERJAAN                 | URAIAN PERHITUNGAN |      |             |   |              |                   | VOLUME       | SAT.   |
|-----|----------------------------------|--------------------|------|-------------|---|--------------|-------------------|--------------|--------|
|     |                                  | Panjang (P)        |      | Lebar (L)   |   | Tinggi (T)   | Banyak Luasan (Q) | Total        |        |
| 1   | 2                                | 3                  |      | 4           |   | 5            | 6                 | 7            | 8      |
|     | 2. Tumpuan X 2                   |                    |      |             |   |              |                   |              |        |
|     | Panjang (a)                      | 3,48               | m    |             |   |              |                   |              |        |
|     | Panjang Total                    | 3,48               | m    |             |   |              |                   |              |        |
|     | Jarak Tulangan                   | 0,20               | m    |             |   |              |                   |              |        |
|     | Ukuran Besi                      | 0,010              | m    |             |   |              |                   |              |        |
|     | Berat Tul                        | 0,617              | Kg/m |             |   |              |                   |              |        |
|     | jumlah besi                      | 9,00               | Bh   |             |   |              |                   |              |        |
|     | Panjang Besi 1 Luasan            | 31,32              | m    |             |   |              |                   |              |        |
|     | Total Luasan                     | 2,00               | Bh   |             |   |              |                   |              |        |
|     | Total Panjang Besi 1 Luasan      | 62,64              | m    |             |   |              |                   |              |        |
|     | Berat Total Besi Tumpuan X 2     | 38,65              | Kg   |             |   |              |                   |              |        |
|     | 3. Lapangan X 1                  |                    |      |             |   |              |                   |              |        |
|     | Panjang (a)                      | 1,74               | m    |             |   |              |                   |              |        |
|     | Panjang (b)                      | 0,87               | m    |             |   |              |                   |              |        |
|     |                                  | 0,87               | m    |             |   |              |                   |              |        |
|     | Panjang (c)                      | 0,11               | m    |             |   |              |                   |              |        |
|     |                                  | 0,11               | m    |             |   |              |                   |              |        |
|     | Panjang Total                    | 3,71               | m    |             |   |              |                   |              |        |
|     | Jarak Tulangan                   | 0,20               | m    |             |   |              |                   |              |        |
|     | Ukuran Besi                      | 0,010              | m    |             |   |              |                   |              |        |
|     | Berat Tul                        | 0,617              | Kg/m |             |   |              |                   |              |        |
|     | jumlah besi                      | 9,00               | Bh   |             |   |              |                   |              |        |
|     | Panjang Besi 1 Luasan            | 33,36              | m    |             |   |              |                   |              |        |
|     | Total Luasan                     | 2,00               | Bh   |             |   |              |                   |              |        |
|     | Total Panjang Besi 1 Luasan      | 66,71              | m    |             |   |              |                   |              |        |
|     | Berat Total Besi lapangan X 1    | 41,16              | Kg   |             |   |              |                   |              |        |
|     | 4. Lapangan X 2                  |                    |      |             |   |              |                   |              |        |
|     | Panjang (a)                      | 3,48               | m    |             |   |              |                   |              |        |
|     | Panjang Total                    | 3,48               | m    |             |   |              |                   |              |        |
|     | Jarak Tulangan                   | 0,20               | m    |             |   |              |                   |              |        |
|     | Ukuran Besi                      | 0,010              | m    |             |   |              |                   |              |        |
|     | Berat Tul                        | 0,617              | Kg/m |             |   |              |                   |              |        |
|     | jumlah besi                      | 9,00               | Bh   |             |   |              |                   |              |        |
|     | Panjang Besi 1 Luasan            | 31,32              | m    |             |   |              |                   |              |        |
|     | Total Luasan                     | 2,00               | Bh   |             |   |              |                   |              |        |
|     | Total Panjang Besi 1 Luasan      | 62,64              | m    |             |   |              |                   |              |        |
|     | Berat Total Besi Lapangan X 2    | 38,65              | Kg   |             |   |              |                   |              |        |
|     | Total Penulangan Luasan 4 Arah X | Tumpuan X 1        | +    | Tumpuan X 2 | + | Lapangan X 1 | +                 | Lapangan X 1 | =      |
|     |                                  | 38,65              | +    | 38,65       | + | 41,16        | +                 | 38,65        | 157,11 |
|     | Luasan 4 (Arah Y)                |                    |      |             |   |              |                   |              |        |
|     | Lx                               | 3,48               | m    |             |   |              |                   |              |        |
|     | Ly                               | 3,56               | m    |             |   |              |                   |              |        |
|     | 1. Tumpuan Y 1                   |                    |      |             |   |              |                   |              |        |
|     | Panjang (a)                      | 3,56               | m    |             |   |              |                   |              |        |
|     | Panjang Total                    | 3,56               | m    |             |   |              |                   |              |        |
|     | Jarak Tulangan                   | 0,20               | m    |             |   |              |                   |              |        |
|     | Ukuran Besi                      | 0,010              | m    |             |   |              |                   |              |        |
|     | Berat Tul                        | 0,617              | Kg/m |             |   |              |                   |              |        |
|     | jumlah besi                      | 9,00               | Bh   |             |   |              |                   |              |        |
|     | Panjang Besi 1 Luasan            | 32,04              | m    |             |   |              |                   |              |        |
|     | Total Luasan                     | 2,00               | Bh   |             |   |              |                   |              |        |
|     | Total Panjang Besi 1 Luasan      | 64,08              | m    |             |   |              |                   |              |        |
|     | Berat Total Besi Tumpuan Y 1     | 39,54              | Kg   |             |   |              |                   |              |        |
|     | 2. Tumpuan Y 2                   |                    |      |             |   |              |                   |              |        |
|     | Panjang (a)                      | 3,56               | m    |             |   |              |                   |              |        |
|     | Panjang Total                    | 3,56               | m    |             |   |              |                   |              |        |
|     | Jarak Tulangan                   | 0,20               | m    |             |   |              |                   |              |        |
|     | Ukuran Besi                      | 0,010              | m    |             |   |              |                   |              |        |
|     | Berat Tul                        | 0,617              | Kg/m |             |   |              |                   |              |        |
|     | jumlah besi                      | 9,00               | Bh   |             |   |              |                   |              |        |
|     | Panjang Besi 1 Luasan            | 32,04              | m    |             |   |              |                   |              |        |
|     | Total Luasan                     | 2,00               | Bh   |             |   |              |                   |              |        |
|     | Total Panjang Besi 1 Luasan      | 64,08              | m    |             |   |              |                   |              |        |
|     | Berat Total Besi Tumpuan Y 2     | 39,54              | Kg   |             |   |              |                   |              |        |

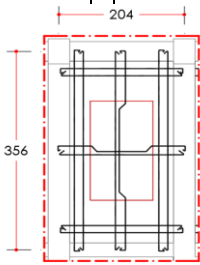


| NO. | URAIAN PEKERJAAN                 | URAIAN PERHITUNGAN |           |             |                   |              | VOLUME | SAT.         |
|-----|----------------------------------|--------------------|-----------|-------------|-------------------|--------------|--------|--------------|
|     |                                  | Panjang (P)        | Lebar (L) | Tinggi (T)  | Banyak Luasan (Q) | Total        |        |              |
| 1   | 2                                | 3                  | 4         | 5           | 6                 | 7            | 8      | 9            |
|     | 3. Lapangan Y 1                  |                    |           |             |                   |              |        |              |
|     | Panjang (a)                      | 1,78               | m         |             |                   |              |        |              |
|     | Panjang (b)                      | 0,89               | m         |             |                   |              |        |              |
|     |                                  | 0,89               | m         |             |                   |              |        |              |
|     | Panjang (c)                      | 0,11               | m         |             |                   |              |        |              |
|     |                                  | 0,11               | m         |             |                   |              |        |              |
|     | Panjang Total                    | 3,79               | m         |             |                   |              |        |              |
|     | Jarak Tulangan                   | 0,20               | m         |             |                   |              |        |              |
|     | Ukuran Besi                      | 0,010              | m         |             |                   |              |        |              |
|     | Berat Tul                        | 0,617              | Kg/m      |             |                   |              |        |              |
|     | jumlah besi                      | 9,00               | Bh        |             |                   |              |        |              |
|     | Panjang Besi 1 Luasan            | 34,08              | m         |             |                   |              |        |              |
|     | Total Luasan                     | 2,00               | Bh        |             |                   |              |        |              |
|     | Total Panjang Besi 1 Luasan      | 68,15              | m         |             |                   |              |        |              |
|     | Berat Total Besi lapangan Y 1    | 42,05              | Kg        |             |                   |              |        |              |
|     | 4. Lapangan Y 2                  |                    |           |             |                   |              |        |              |
|     | Panjang (a)                      | 3,56               | m         |             |                   |              |        |              |
|     | Panjang Total                    | 3,56               | m         |             |                   |              |        |              |
|     | Jarak Tulangan                   | 0,20               | m         |             |                   |              |        |              |
|     | Ukuran Besi                      | 0,010              | m         |             |                   |              |        |              |
|     | Berat Tul                        | 0,617              | Kg/m      |             |                   |              |        |              |
|     | jumlah besi                      | 9,00               | Bh        |             |                   |              |        |              |
|     | Panjang Besi 1 Luasan            | 32,04              | m         |             |                   |              |        |              |
|     | Total Luasan                     | 2,00               | Bh        |             |                   |              |        |              |
|     | Total Panjang Besi 1 Luasan      | 64,08              | m         |             |                   |              |        |              |
|     | Berat Total Besi Lapangan Y 2    | 39,54              | Kg        |             |                   |              |        |              |
|     | Total Penulangan Luasan 4 Arah Y | Tumpuan Y 1        | +         | Tumpuan Y 2 | +                 | Lapangan Y 1 | +      | Lapangan Y 2 |
|     |                                  | 39,54              | +         | 39,54       | +                 | 42,05        | +      | 39,54        |
|     |                                  |                    |           |             |                   |              | =      | 160,66       |
|     | Total Penulangan Luasan 4        | Arah X             | +         | Arah Y      |                   |              |        |              |
|     |                                  | 157,11             | +         | 160,66      |                   |              | =      | 317,77       |
|     | Luasan 5 (Arah X)                |                    |           |             |                   |              |        |              |
|     | Lx                               | 2,04               | m         |             |                   |              |        |              |
|     | Ly                               | 3,56               | m         |             |                   |              |        |              |
|     | 1. Tumpuan X 1                   |                    |           |             |                   |              |        |              |
|     | Panjang (a)                      | 2,04               | m         |             |                   |              |        |              |
|     | Panjang Total                    | 2,04               | m         |             |                   |              |        |              |
|     | Jarak Tulangan                   | 0,20               | m         |             |                   |              |        |              |
|     | Ukuran Besi                      | 0,010              | m         |             |                   |              |        |              |
|     | Berat Tul                        | 0,617              | Kg/m      |             |                   |              |        |              |
|     | jumlah besi                      | 9,00               | Bh        |             |                   |              |        |              |
|     | Panjang Besi 1 Luasan            | 18,36              | m         |             |                   |              |        |              |
|     | Total Luasan                     | 2,00               | Bh        |             |                   |              |        |              |
|     | Total Panjang Besi 1 Luasan      | 36,72              | m         |             |                   |              |        |              |
|     | Berat Total Besi Tumpuan X 1     | 22,66              | Kg        |             |                   |              |        |              |
|     | 2. Tumpuan X 2                   |                    |           |             |                   |              |        |              |
|     | Panjang (a)                      | 2,04               | m         |             |                   |              |        |              |
|     | Panjang Total                    | 2,04               | m         |             |                   |              |        |              |
|     | Jarak Tulangan                   | 0,20               | m         |             |                   |              |        |              |
|     | Ukuran Besi                      | 0,010              | m         |             |                   |              |        |              |
|     | Berat Tul                        | 0,617              | Kg/m      |             |                   |              |        |              |
|     | jumlah besi                      | 9,00               | Bh        |             |                   |              |        |              |
|     | Panjang Besi 1 Luasan            | 18,36              | m         |             |                   |              |        |              |
|     | Total Luasan                     | 2,00               | Bh        |             |                   |              |        |              |
|     | Total Panjang Besi 1 Luasan      | 36,72              | m         |             |                   |              |        |              |
|     | Berat Total Besi Tumpuan X 2     | 22,66              | Kg        |             |                   |              |        |              |
|     | 3. Lapangan X 1                  |                    |           |             |                   |              |        |              |
|     | Panjang (a)                      | 1,02               | m         |             |                   |              |        |              |
|     | Panjang (b)                      | 0,51               | m         |             |                   |              |        |              |
|     |                                  | 0,51               | m         |             |                   |              |        |              |
|     | Panjang (c)                      | 0,11               | m         |             |                   |              |        |              |
|     |                                  | 0,11               | m         |             |                   |              |        |              |
|     | Panjang Total                    | 2,27               | m         |             |                   |              |        |              |
|     | Jarak Tulangan                   | 0,20               | m         |             |                   |              |        |              |
|     | Ukuran Besi                      | 0,010              | m         |             |                   |              |        |              |
|     | Berat Tul                        | 0,617              | Kg/m      |             |                   |              |        |              |
|     | jumlah besi                      | 9,00               | Bh        |             |                   |              |        |              |
|     | Panjang Besi 1 Luasan            | 20,40              | m         |             |                   |              |        |              |
|     | Total Luasan                     | 2,00               | Bh        |             |                   |              |        |              |
|     | Total Panjang Besi 1 Luasan      | 40,79              | m         |             |                   |              |        |              |
|     | Berat Total Besi lapangan X 1    | 25,17              | Kg        |             |                   |              |        |              |

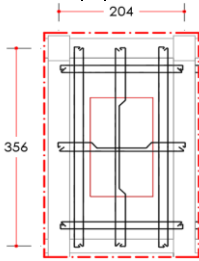
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LUASAN 5 - 02 BH



| NO. | URAIAN PEKERJAAN                 | URAIAN PERHITUNGAN |      |             |   |              |                   | VOLUME       | SAT.     |
|-----|----------------------------------|--------------------|------|-------------|---|--------------|-------------------|--------------|----------|
|     |                                  | Panjang (P)        |      | Lebar (L)   |   | Tinggi (T)   | Banyak Luasan (Q) | Total        |          |
| 1   | 2                                | 3                  |      | 4           |   | 5            | 6                 | 7            | 8        |
|     | 4. Lapangan X 2                  |                    |      |             |   |              |                   |              |          |
|     | Panjang (a)                      | 2,04               | m    |             |   |              |                   |              |          |
|     | Panjang Total                    | 2,04               | m    |             |   |              |                   |              |          |
|     | Jarak Tulangan                   | 0,20               | m    |             |   |              |                   |              |          |
|     | Ukuran Besi                      | 0,010              | m    |             |   |              |                   |              |          |
|     | Berat Tul                        | 0,617              | Kg/m |             |   |              |                   |              |          |
|     | jumlah besi                      | 9,00               | Bh   |             |   |              |                   |              |          |
|     | Panjang Besi 1 Luasan            | 18,36              | m    |             |   |              |                   |              |          |
|     | Total Luasan                     | 2,00               | Bh   |             |   |              |                   |              |          |
|     | Total Panjang Besi 1 Luasan      | 36,72              | m    |             |   |              |                   |              |          |
|     | Berat Total Besi Lapangan X 2    | 22,66              | Kg   |             |   |              |                   |              |          |
|     | Total Penulangan Luasan 5 Arah X | Tumpuan X 1        | +    | Tumpuan X 2 | + | Lapangan X 1 | +                 | Lapangan X 1 | =        |
|     |                                  | 22,66              | +    | 22,66       | + | 25,17        | +                 | 22,66        | = 93,14  |
|     | Luasan 5 (Arah Y)                |                    |      |             |   |              |                   |              |          |
|     | Lx                               | 2,04               | m    |             |   |              |                   |              |          |
|     | Ly                               | 3,56               | m    |             |   |              |                   |              |          |
|     | 1. Tumpuan Y 1                   |                    |      |             |   |              |                   |              |          |
|     | Panjang (a)                      | 3,56               | m    |             |   |              |                   |              |          |
|     | Panjang Total                    | 3,56               | m    |             |   |              |                   |              |          |
|     | Jarak Tulangan                   | 0,20               | m    |             |   |              |                   |              |          |
|     | Ukuran Besi                      | 0,010              | m    |             |   |              |                   |              |          |
|     | Berat Tul                        | 0,617              | Kg/m |             |   |              |                   |              |          |
|     | jumlah besi                      | 6,00               | Bh   |             |   |              |                   |              |          |
|     | Panjang Besi 1 Luasan            | 21,36              | m    |             |   |              |                   |              |          |
|     | Total Luasan                     | 2,00               | Bh   |             |   |              |                   |              |          |
|     | Total Panjang Besi 1 Luasan      | 42,72              | m    |             |   |              |                   |              |          |
|     | Berat Total Besi Tumpuan Y 1     | 26,36              | Kg   |             |   |              |                   |              |          |
|     | 2. Tumpuan Y 2                   |                    |      |             |   |              |                   |              |          |
|     | Panjang (a)                      | 3,56               | m    |             |   |              |                   |              |          |
|     | Panjang Total                    | 3,56               | m    |             |   |              |                   |              |          |
|     | Jarak Tulangan                   | 0,20               | m    |             |   |              |                   |              |          |
|     | Ukuran Besi                      | 0,010              | m    |             |   |              |                   |              |          |
|     | Berat Tul                        | 0,617              | Kg/m |             |   |              |                   |              |          |
|     | jumlah besi                      | 6,00               | Bh   |             |   |              |                   |              |          |
|     | Panjang Besi 1 Luasan            | 21,36              | m    |             |   |              |                   |              |          |
|     | Total Luasan                     | 2,00               | Bh   |             |   |              |                   |              |          |
|     | Total Panjang Besi 1 Luasan      | 42,72              | m    |             |   |              |                   |              |          |
|     | Berat Total Besi Tumpuan Y 2     | 26,36              | Kg   |             |   |              |                   |              |          |
|     | 3. Lapangan Y 1                  |                    |      |             |   |              |                   |              |          |
|     | Panjang (a)                      | 1,78               | m    |             |   |              |                   |              |          |
|     | Panjang (b)                      | 0,89               | m    |             |   |              |                   |              |          |
|     | Panjang (c)                      | 0,89               | m    |             |   |              |                   |              |          |
|     | Panjang (d)                      | 0,11               | m    |             |   |              |                   |              |          |
|     | Panjang Total                    | 3,79               | m    |             |   |              |                   |              |          |
|     | Jarak Tulangan                   | 0,20               | m    |             |   |              |                   |              |          |
|     | Ukuran Besi                      | 0,010              | m    |             |   |              |                   |              |          |
|     | Berat Tul                        | 0,617              | Kg/m |             |   |              |                   |              |          |
|     | jumlah besi                      | 6,00               | Bh   |             |   |              |                   |              |          |
|     | Panjang Besi 1 Luasan            | 22,72              | m    |             |   |              |                   |              |          |
|     | Total Luasan                     | 2,00               | Bh   |             |   |              |                   |              |          |
|     | Total Panjang Besi 1 Luasan      | 45,44              | m    |             |   |              |                   |              |          |
|     | Berat Total Besi lapangan Y 1    | 28,03              | Kg   |             |   |              |                   |              |          |
|     | 4. Lapangan Y 2                  |                    |      |             |   |              |                   |              |          |
|     | Panjang (a)                      | 3,56               | m    |             |   |              |                   |              |          |
|     | Panjang Total                    | 3,56               | m    |             |   |              |                   |              |          |
|     | Jarak Tulangan                   | 0,20               | m    |             |   |              |                   |              |          |
|     | Ukuran Besi                      | 0,010              | m    |             |   |              |                   |              |          |
|     | Berat Tul                        | 0,617              | Kg/m |             |   |              |                   |              |          |
|     | jumlah besi                      | 6,00               | Bh   |             |   |              |                   |              |          |
|     | Panjang Besi 1 Luasan            | 21,36              | m    |             |   |              |                   |              |          |
|     | Total Luasan                     | 2,00               | Bh   |             |   |              |                   |              |          |
|     | Total Panjang Besi 1 Luasan      | 42,72              | m    |             |   |              |                   |              |          |
|     | Berat Total Besi Lapangan Y 2    | 26,36              | Kg   |             |   |              |                   |              |          |
|     | Total Penulangan Luasan 5 Arah Y | Tumpuan Y 1        | +    | Tumpuan Y 2 | + | Lapangan Y 1 | +                 | Lapangan Y 2 | =        |
|     |                                  | 26,36              | +    | 26,36       | + | 28,03        | +                 | 26,36        | = 107,11 |
|     | Total Penulangan Luasan 5        | Arah X             | +    | Arah Y      |   |              |                   |              | =        |
|     |                                  | 93,14              | +    | 107,11      |   |              |                   |              | = 200,25 |

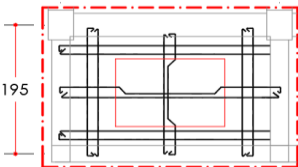


| NO. | URAIAN PEKERJAAN                 | URAIAN PERHITUNGAN |      |             |            |                   | VOLUME | SAT.         |       |
|-----|----------------------------------|--------------------|------|-------------|------------|-------------------|--------|--------------|-------|
|     |                                  | Panjang (P)        |      | Lebar (L)   | Tinggi (T) | Banyak Luasan (Q) |        |              | Total |
| 1   | 2                                | 3                  |      | 4           | 5          | 6                 | 7      | 8            | 9     |
|     | Luasan 6 (Arah X)                |                    |      |             |            |                   |        |              |       |
|     | Lx                               | 3,00               | m    |             |            |                   |        |              |       |
|     | Ly                               | 3,56               | m    |             |            |                   |        |              |       |
|     | 1. Tumpuan X 1                   |                    |      |             |            |                   |        |              |       |
|     | Panjang (a)                      | 3,00               | m    |             |            |                   |        |              |       |
|     | Panjang Total                    | 3,00               | m    |             |            |                   |        |              |       |
|     | Jarak Tulangan                   | 0,20               | m    |             |            |                   |        |              |       |
|     | Ukuran Besi                      | 0,010              | m    |             |            |                   |        |              |       |
|     | Berat Tul                        | 0,617              | Kg/m |             |            |                   |        |              |       |
|     | jumlah besi                      | 9,00               | Bh   |             |            |                   |        |              |       |
|     | Panjang Besi 1 Luasan            | 27,00              | m    |             |            |                   |        |              |       |
|     | Total Luasan                     | 2,00               | Bh   |             |            |                   |        |              |       |
|     | Total Panjang Besi 1 Luasan      | 54,00              | m    |             |            |                   |        |              |       |
|     | Berat Total Besi Tumpuan X 1     | 33,32              | Kg   |             |            |                   |        |              |       |
|     | 2. Tumpuan X 2                   |                    |      |             |            |                   |        |              |       |
|     | Panjang (a)                      | 3,00               | m    |             |            |                   |        |              |       |
|     | Panjang Total                    | 3,00               | m    |             |            |                   |        |              |       |
|     | Jarak Tulangan                   | 0,20               | m    |             |            |                   |        |              |       |
|     | Ukuran Besi                      | 0,010              | m    |             |            |                   |        |              |       |
|     | Berat Tul                        | 0,617              | Kg/m |             |            |                   |        |              |       |
|     | jumlah besi                      | 9,00               | Bh   |             |            |                   |        |              |       |
|     | Panjang Besi 1 Luasan            | 27,00              | m    |             |            |                   |        |              |       |
|     | Total Luasan                     | 2,00               | Bh   |             |            |                   |        |              |       |
|     | Total Panjang Besi 1 Luasan      | 54,00              | m    |             |            |                   |        |              |       |
|     | Berat Total Besi Tumpuan X 2     | 33,32              | Kg   |             |            |                   |        |              |       |
|     | 3. Lapangan X 1                  |                    |      |             |            |                   |        |              |       |
|     | Panjang (a)                      | 1,50               | m    |             |            |                   |        |              |       |
|     | Panjang (b)                      | 0,75               | m    |             |            |                   |        |              |       |
|     |                                  | 0,75               | m    |             |            |                   |        |              |       |
|     | Panjang (c)                      | 0,11               | m    |             |            |                   |        |              |       |
|     |                                  | 0,11               | m    |             |            |                   |        |              |       |
|     | Panjang Total                    | 3,23               | m    |             |            |                   |        |              |       |
|     | Jarak Tulangan                   | 0,20               | m    |             |            |                   |        |              |       |
|     | Ukuran Besi                      | 0,010              | m    |             |            |                   |        |              |       |
|     | Berat Tul                        | 0,617              | Kg/m |             |            |                   |        |              |       |
|     | jumlah besi                      | 9,00               | Bh   |             |            |                   |        |              |       |
|     | Panjang Besi 1 Luasan            | 29,04              | m    |             |            |                   |        |              |       |
|     | Total Luasan                     | 2,00               | Bh   |             |            |                   |        |              |       |
|     | Total Panjang Besi 1 Luasan      | 58,07              | m    |             |            |                   |        |              |       |
|     | Berat Total Besi lapangan X 1    | 35,83              | Kg   |             |            |                   |        |              |       |
|     | 4. Lapangan X 2                  |                    |      |             |            |                   |        |              |       |
|     | Panjang (a)                      | 3,00               | m    |             |            |                   |        |              |       |
|     | Panjang Total                    | 3,00               | m    |             |            |                   |        |              |       |
|     | Jarak Tulangan                   | 0,20               | m    |             |            |                   |        |              |       |
|     | Ukuran Besi                      | 0,010              | m    |             |            |                   |        |              |       |
|     | Berat Tul                        | 0,617              | Kg/m |             |            |                   |        |              |       |
|     | jumlah besi                      | 9,00               | Bh   |             |            |                   |        |              |       |
|     | Panjang Besi 1 Luasan            | 27,00              | m    |             |            |                   |        |              |       |
|     | Total Luasan                     | 2,00               | Bh   |             |            |                   |        |              |       |
|     | Total Panjang Besi 1 Luasan      | 54,00              | m    |             |            |                   |        |              |       |
|     | Berat Total Besi Lapangan X 2    | 33,32              | Kg   |             |            |                   |        |              |       |
|     | Total Penulangan Luasan 6 Arah X | Tumpuan X 1        | +    | Tumpuan X 2 | +          | Lapangan X 1      | +      | Lapangan X 1 |       |
|     |                                  | 33,32              | +    | 33,32       | +          | 35,83             | +      | 33,32        | =     |
|     |                                  |                    |      |             |            |                   |        | 135,79       |       |
|     | Luasan 6 (Arah Y)                |                    |      |             |            |                   |        |              |       |
|     | Lx                               | 3,00               | m    |             |            |                   |        |              |       |
|     | Ly                               | 3,56               | m    |             |            |                   |        |              |       |
|     | 1. Tumpuan Y 1                   |                    |      |             |            |                   |        |              |       |
|     | Panjang (a)                      | 3,56               | m    |             |            |                   |        |              |       |
|     | Panjang Total                    | 3,56               | m    |             |            |                   |        |              |       |
|     | Jarak Tulangan                   | 0,20               | m    |             |            |                   |        |              |       |
|     | Ukuran Besi                      | 0,010              | m    |             |            |                   |        |              |       |
|     | Berat Tul                        | 0,617              | Kg/m |             |            |                   |        |              |       |
|     | jumlah besi                      | 8,00               | Bh   |             |            |                   |        |              |       |
|     | Panjang Besi 1 Luasan            | 28,48              | m    |             |            |                   |        |              |       |
|     | Total Luasan                     | 2,00               | Bh   |             |            |                   |        |              |       |
|     | Total Panjang Besi 1 Luasan      | 56,96              | m    |             |            |                   |        |              |       |
|     | Berat Total Besi Tumpuan Y 1     | 35,14              | Kg   |             |            |                   |        |              |       |

| NO. | URAIAN PEKERJAAN                 | URAIAN PERHITUNGAN |      |             |            |                   |       | VOLUME       | SAT.     |
|-----|----------------------------------|--------------------|------|-------------|------------|-------------------|-------|--------------|----------|
|     |                                  | Panjang (P)        |      | Lebar (L)   | Tinggi (T) | Banyak Luasan (Q) | Total |              |          |
| 1   | 2                                | 3                  |      | 4           | 5          | 6                 | 7     | 8            | 9        |
|     | 2. Tumpuan Y 2                   |                    |      |             |            |                   |       |              |          |
|     | Panjang (a)                      | 3,56               | m    |             |            |                   |       |              |          |
|     | Panjang Total                    | 3,56               | m    |             |            |                   |       |              |          |
|     | Jarak Tulangan                   | 0,20               | m    |             |            |                   |       |              |          |
|     | Ukuran Besi                      | 0,010              | m    |             |            |                   |       |              |          |
|     | Berat Tul                        | 0,617              | Kg/m |             |            |                   |       |              |          |
|     | jumlah besi                      | 8,00               | Bh   |             |            |                   |       |              |          |
|     | Panjang Besi 1 Luasan            | 28,48              | m    |             |            |                   |       |              |          |
|     | Total Luasan                     | 2,00               | Bh   |             |            |                   |       |              |          |
|     | Total Panjang Besi 1 Luasan      | 56,96              | m    |             |            |                   |       |              |          |
|     | Berat Total Besi Tumpuan Y 2     | 35,14              | Kg   |             |            |                   |       |              |          |
|     | 3. Lapangan Y 1                  |                    |      |             |            |                   |       |              |          |
|     | Panjang (a)                      | 1,78               | m    |             |            |                   |       |              |          |
|     | Panjang (b)                      | 0,89               | m    |             |            |                   |       |              |          |
|     |                                  | 0,89               | m    |             |            |                   |       |              |          |
|     | Panjang (c)                      | 0,11               | m    |             |            |                   |       |              |          |
|     |                                  | 0,11               | m    |             |            |                   |       |              |          |
|     | Panjang Total                    | 3,79               | m    |             |            |                   |       |              |          |
|     | Jarak Tulangan                   | 0,20               | m    |             |            |                   |       |              |          |
|     | Ukuran Besi                      | 0,010              | m    |             |            |                   |       |              |          |
|     | Berat Tul                        | 0,617              | Kg/m |             |            |                   |       |              |          |
|     | jumlah besi                      | 8,00               | Bh   |             |            |                   |       |              |          |
|     | Panjang Besi 1 Luasan            | 30,29              | m    |             |            |                   |       |              |          |
|     | Total Luasan                     | 2,00               | Bh   |             |            |                   |       |              |          |
|     | Total Panjang Besi 1 Luasan      | 60,58              | m    |             |            |                   |       |              |          |
|     | Berat Total Besi lapangan Y 1    | 37,38              | Kg   |             |            |                   |       |              |          |
|     | 4. Lapangan Y 2                  |                    |      |             |            |                   |       |              |          |
|     | Panjang (a)                      | 3,56               | m    |             |            |                   |       |              |          |
|     | Panjang Total                    | 3,56               | m    |             |            |                   |       |              |          |
|     | Jarak Tulangan                   | 0,20               | m    |             |            |                   |       |              |          |
|     | Ukuran Besi                      | 0,010              | m    |             |            |                   |       |              |          |
|     | Berat Tul                        | 0,617              | Kg/m |             |            |                   |       |              |          |
|     | jumlah besi                      | 8,00               | Bh   |             |            |                   |       |              |          |
|     | Panjang Besi 1 Luasan            | 28,48              | m    |             |            |                   |       |              |          |
|     | Total Luasan                     | 2,00               | Bh   |             |            |                   |       |              |          |
|     | Total Panjang Besi 1 Luasan      | 56,96              | m    |             |            |                   |       |              |          |
|     | Berat Total Besi Lapangan Y 2    | 35,14              | Kg   |             |            |                   |       |              |          |
|     | Total Penulangan Luasan 6 Arah Y | Tumpuan Y 1        | +    | Tumpuan Y 2 | +          | Lapangan Y 1      | +     | Lapangan Y 2 | =        |
|     |                                  | 35,14              | +    | 35,14       | +          | 37,38             | +     | 35,14        | = 142,81 |
|     | Total Penulangan Luasan 6        | Arah X             | +    | Arah Y      |            |                   |       |              | =        |
|     |                                  | 135,79             | +    | 142,81      |            |                   |       |              | 278,60   |
|     | Luasan 7 (Arah X)                |                    |      |             |            |                   |       |              |          |
|     | Lx                               | 3,00               | m    |             |            |                   |       |              |          |
|     | Ly                               | 1,95               | m    |             |            |                   |       |              |          |
|     | 1. Tumpuan X 1                   |                    |      |             |            |                   |       |              |          |
|     | Panjang (a)                      | 3,00               | m    |             |            |                   |       |              |          |
|     | Panjang Total                    | 3,00               | m    |             |            |                   |       |              |          |
|     | Jarak Tulangan                   | 0,20               | m    |             |            |                   |       |              |          |
|     | Ukuran Besi                      | 0,010              | m    |             |            |                   |       |              |          |
|     | Berat Tul                        | 0,617              | Kg/m |             |            |                   |       |              |          |
|     | jumlah besi                      | 5,00               | Bh   |             |            |                   |       |              |          |
|     | Panjang Besi 1 Luasan            | 15,00              | m    |             |            |                   |       |              |          |
|     | Total Luasan                     | 2,00               | Bh   |             |            |                   |       |              |          |
|     | Total Panjang Besi 1 Luasan      | 30,00              | m    |             |            |                   |       |              |          |
|     | Berat Total Besi Tumpuan X 1     | 18,51              | Kg   |             |            |                   |       |              |          |
|     | 2. Tumpuan X 2                   |                    |      |             |            |                   |       |              |          |
|     | Panjang (a)                      | 3,00               | m    |             |            |                   |       |              |          |
|     | Panjang Total                    | 3,00               | m    |             |            |                   |       |              |          |
|     | Jarak Tulangan                   | 0,20               | m    |             |            |                   |       |              |          |
|     | Ukuran Besi                      | 0,010              | m    |             |            |                   |       |              |          |
|     | Berat Tul                        | 0,617              | Kg/m |             |            |                   |       |              |          |
|     | jumlah besi                      | 5,00               | Bh   |             |            |                   |       |              |          |
|     | Panjang Besi 1 Luasan            | 15,00              | m    |             |            |                   |       |              |          |
|     | Total Luasan                     | 2,00               | Bh   |             |            |                   |       |              |          |
|     | Total Panjang Besi 1 Luasan      | 30,00              | m    |             |            |                   |       |              |          |
|     | Berat Total Besi Tumpuan X 2     | 18,51              | Kg   |             |            |                   |       |              |          |

300

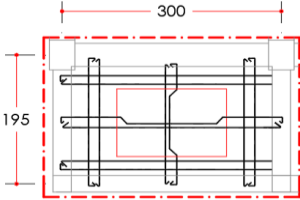
195



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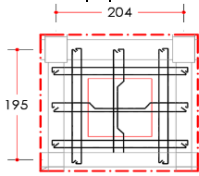
| NO. | URAIAN PEKERJAAN                 | URAIAN PERHITUNGAN |           |             |                   |              | VOLUME | SAT.         |
|-----|----------------------------------|--------------------|-----------|-------------|-------------------|--------------|--------|--------------|
|     |                                  | Panjang (P)        | Lebar (L) | Tinggi (T)  | Banyak Luasan (Q) | Total        |        |              |
| 1   | 2                                | 3                  | 4         | 5           | 6                 | 7            | 8      | 9            |
|     | 3. Lapangan X 1                  |                    |           |             |                   |              |        |              |
|     | Panjang (a)                      | 1,50               | m         |             |                   |              |        |              |
|     | Panjang (b)                      | 0,75               | m         |             |                   |              |        |              |
|     |                                  | 0,75               | m         |             |                   |              |        |              |
|     | Panjang (c)                      | 0,11               | m         |             |                   |              |        |              |
|     |                                  | 0,11               | m         |             |                   |              |        |              |
|     | Panjang Total                    | 3,23               | m         |             |                   |              |        |              |
|     | Jarak Tulangan                   | 0,20               | m         |             |                   |              |        |              |
|     | Ukuran Besi                      | 0,010              | m         |             |                   |              |        |              |
|     | Berat Tul                        | 0,617              | Kg/m      |             |                   |              |        |              |
|     | jumlah besi                      | 5,00               | Bh        |             |                   |              |        |              |
|     | Panjang Besi 1 Luasan            | 16,13              | m         |             |                   |              |        |              |
|     | Total Luasan                     | 2,00               | Bh        |             |                   |              |        |              |
|     | Total Panjang Besi 1 Luasan      | 32,26              | m         |             |                   |              |        |              |
|     | Berat Total Besi lapangan X 1    | 19,91              | Kg        |             |                   |              |        |              |
|     | 4. Lapangan X 2                  |                    |           |             |                   |              |        |              |
|     | Panjang (a)                      | 3,00               | m         |             |                   |              |        |              |
|     | Panjang Total                    | 3,00               | m         |             |                   |              |        |              |
|     | Jarak Tulangan                   | 0,20               | m         |             |                   |              |        |              |
|     | Ukuran Besi                      | 0,010              | m         |             |                   |              |        |              |
|     | Berat Tul                        | 0,617              | Kg/m      |             |                   |              |        |              |
|     | jumlah besi                      | 5,00               | Bh        |             |                   |              |        |              |
|     | Panjang Besi 1 Luasan            | 15,00              | m         |             |                   |              |        |              |
|     | Total Luasan                     | 2,00               | Bh        |             |                   |              |        |              |
|     | Total Panjang Besi 1 Luasan      | 30,00              | m         |             |                   |              |        |              |
|     | Berat Total Besi Lapangan X 2    | 18,51              | Kg        |             |                   |              |        |              |
|     | Total Penulangan Luasan 7 Arah X | Tumpuan X 1        | +         | Tumpuan X 2 | +                 | Lapangan X 1 | +      | Lapangan X 1 |
|     |                                  | 18,51              | +         | 18,51       | +                 | 19,91        | +      | 18,51        |
|     |                                  |                    |           |             |                   |              | =      | 75,44        |
|     | Luasan 7 (Arah Y)                |                    |           |             |                   |              |        |              |
|     | Lx                               | 3,00               | m         |             |                   |              |        |              |
|     | Ly                               | 1,95               | m         |             |                   |              |        |              |
|     | 1. Tumpuan Y 1                   |                    |           |             |                   |              |        |              |
|     | Panjang (a)                      | 1,95               | m         |             |                   |              |        |              |
|     | Panjang Total                    | 1,95               | m         |             |                   |              |        |              |
|     | Jarak Tulangan                   | 0,20               | m         |             |                   |              |        |              |
|     | Ukuran Besi                      | 0,010              | m         |             |                   |              |        |              |
|     | Berat Tul                        | 0,617              | Kg/m      |             |                   |              |        |              |
|     | jumlah besi                      | 8,00               | Bh        |             |                   |              |        |              |
|     | Panjang Besi 1 Luasan            | 15,60              | m         |             |                   |              |        |              |
|     | Total Luasan                     | 2,00               | Bh        |             |                   |              |        |              |
|     | Total Panjang Besi 1 Luasan      | 31,20              | m         |             |                   |              |        |              |
|     | Berat Total Besi Tumpuan Y 1     | 19,25              | Kg        |             |                   |              |        |              |
|     | 2. Tumpuan Y 2                   |                    |           |             |                   |              |        |              |
|     | Panjang (a)                      | 1,95               | m         |             |                   |              |        |              |
|     | Panjang Total                    | 1,95               | m         |             |                   |              |        |              |
|     | Jarak Tulangan                   | 0,20               | m         |             |                   |              |        |              |
|     | Ukuran Besi                      | 0,010              | m         |             |                   |              |        |              |
|     | Berat Tul                        | 0,617              | Kg/m      |             |                   |              |        |              |
|     | jumlah besi                      | 8,00               | Bh        |             |                   |              |        |              |
|     | Panjang Besi 1 Luasan            | 15,60              | m         |             |                   |              |        |              |
|     | Total Luasan                     | 2,00               | Bh        |             |                   |              |        |              |
|     | Total Panjang Besi 1 Luasan      | 31,20              | m         |             |                   |              |        |              |
|     | Berat Total Besi Tumpuan Y 2     | 19,25              | Kg        |             |                   |              |        |              |
|     | 3. Lapangan Y 1                  |                    |           |             |                   |              |        |              |
|     | Panjang (a)                      | 0,98               | m         |             |                   |              |        |              |
|     | Panjang (b)                      | 0,49               | m         |             |                   |              |        |              |
|     |                                  | 0,49               | m         |             |                   |              |        |              |
|     | Panjang (c)                      | 0,11               | m         |             |                   |              |        |              |
|     |                                  | 0,11               | m         |             |                   |              |        |              |
|     | Panjang Total                    | 2,18               | m         |             |                   |              |        |              |
|     | Jarak Tulangan                   | 0,20               | m         |             |                   |              |        |              |
|     | Ukuran Besi                      | 0,010              | m         |             |                   |              |        |              |
|     | Berat Tul                        | 0,617              | Kg/m      |             |                   |              |        |              |
|     | jumlah besi                      | 8,00               | Bh        |             |                   |              |        |              |
|     | Panjang Besi 1 Luasan            | 17,41              | m         |             |                   |              |        |              |
|     | Total Luasan                     | 2,00               | Bh        |             |                   |              |        |              |
|     | Total Panjang Besi 1 Luasan      | 34,82              | m         |             |                   |              |        |              |
|     | Berat Total Besi lapangan Y 1    | 21,48              | Kg        |             |                   |              |        |              |

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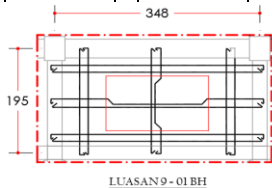
LUASAN 7 - 02 BH

| NO. | URAIAN PEKERJAAN                 | URAIAN PERHITUNGAN |      |             |   |              |                   | VOLUME       | SAT.     |
|-----|----------------------------------|--------------------|------|-------------|---|--------------|-------------------|--------------|----------|
|     |                                  | Panjang (P)        |      | Lebar (L)   |   | Tinggi (T)   | Banyak Luasan (Q) | Total        |          |
| 1   | 2                                | 3                  |      | 4           |   | 5            | 6                 | 7            | 8        |
|     | 4. Lapangan Y 2                  |                    |      |             |   |              |                   |              |          |
|     | Panjang (a)                      | 1,95               | m    |             |   |              |                   |              |          |
|     | Panjang Total                    | 1,95               | m    |             |   |              |                   |              |          |
|     | Jarak Tulangan                   | 0,20               | m    |             |   |              |                   |              |          |
|     | Ukuran Besi                      | 0,010              | m    |             |   |              |                   |              |          |
|     | Berat Tul                        | 0,617              | Kg/m |             |   |              |                   |              |          |
|     | jumlah besi                      | 8,00               | Bh   |             |   |              |                   |              |          |
|     | Panjang Besi 1 Luasan            | 15,60              | m    |             |   |              |                   |              |          |
|     | Total Luasan                     | 2,00               | Bh   |             |   |              |                   |              |          |
|     | Total Panjang Besi 1 Luasan      | 31,20              | m    |             |   |              |                   |              |          |
|     | Berat Total Besi Lapangan Y 2    | 19,25              | Kg   |             |   |              |                   |              |          |
|     | Total Penulangan Luasan 7 Arah Y | Tumpuan Y 1        | +    | Tumpuan Y 2 | + | Lapangan Y 1 | +                 | Lapangan Y 2 | =        |
|     |                                  | 19,25              | +    | 19,25       | + | 21,48        | +                 | 19,25        | = 79,24  |
|     | Total Penulangan Luasan 7        | Arah X             | +    | Arah Y      |   |              |                   |              | =        |
|     |                                  | 75,44              | +    | 79,24       |   |              |                   |              | = 154,67 |
|     | Luasan 8 (Arah X)                |                    |      |             |   |              |                   |              |          |
|     | Lx                               | 2,04               | m    |             |   |              |                   |              |          |
|     | Ly                               | 1,95               | m    |             |   |              |                   |              |          |
|     | 1. Tumpuan X 1                   |                    |      |             |   |              |                   |              |          |
|     | Panjang (a)                      | 2,04               | m    |             |   |              |                   |              |          |
|     | Panjang Total                    | 2,04               | m    |             |   |              |                   |              |          |
|     | Jarak Tulangan                   | 0,20               | m    |             |   |              |                   |              |          |
|     | Ukuran Besi                      | 0,010              | m    |             |   |              |                   |              |          |
|     | Berat Tul                        | 0,617              | Kg/m |             |   |              |                   |              |          |
|     | jumlah besi                      | 5,00               | Bh   |             |   |              |                   |              |          |
|     | Panjang Besi 1 Luasan            | 10,20              | m    |             |   |              |                   |              |          |
|     | Total Luasan                     | 1,00               | Bh   |             |   |              |                   |              |          |
|     | Total Panjang Besi 1 Luasan      | 10,20              | m    |             |   |              |                   |              |          |
|     | Berat Total Besi Tumpuan X 1     | 6,29               | Kg   |             |   |              |                   |              |          |
|     | 2. Tumpuan X 2                   |                    |      |             |   |              |                   |              |          |
|     | Panjang (a)                      | 2,04               | m    |             |   |              |                   |              |          |
|     | Panjang Total                    | 2,04               | m    |             |   |              |                   |              |          |
|     | Jarak Tulangan                   | 0,20               | m    |             |   |              |                   |              |          |
|     | Ukuran Besi                      | 0,010              | m    |             |   |              |                   |              |          |
|     | Berat Tul                        | 0,617              | Kg/m |             |   |              |                   |              |          |
|     | jumlah besi                      | 5,00               | Bh   |             |   |              |                   |              |          |
|     | Panjang Besi 1 Luasan            | 10,20              | m    |             |   |              |                   |              |          |
|     | Total Luasan                     | 1,00               | Bh   |             |   |              |                   |              |          |
|     | Total Panjang Besi 1 Luasan      | 10,20              | m    |             |   |              |                   |              |          |
|     | Berat Total Besi Tumpuan X 2     | 6,29               | Kg   |             |   |              |                   |              |          |
|     | 3. Lapangan X 1                  |                    |      |             |   |              |                   |              |          |
|     | Panjang (a)                      | 1,02               | m    |             |   |              |                   |              |          |
|     | Panjang (b)                      | 0,51               | m    |             |   |              |                   |              |          |
|     | Panjang (c)                      | 0,51               | m    |             |   |              |                   |              |          |
|     | Panjang (d)                      | 0,11               | m    |             |   |              |                   |              |          |
|     | Panjang (e)                      | 0,11               | m    |             |   |              |                   |              |          |
|     | Panjang Total                    | 2,27               | m    |             |   |              |                   |              |          |
|     | Jarak Tulangan                   | 0,20               | m    |             |   |              |                   |              |          |
|     | Ukuran Besi                      | 0,010              | m    |             |   |              |                   |              |          |
|     | Berat Tul                        | 0,617              | Kg/m |             |   |              |                   |              |          |
|     | jumlah besi                      | 5,00               | Bh   |             |   |              |                   |              |          |
|     | Panjang Besi 1 Luasan            | 11,33              | m    |             |   |              |                   |              |          |
|     | Total Luasan                     | 1,00               | Bh   |             |   |              |                   |              |          |
|     | Total Panjang Besi 1 Luasan      | 11,33              | m    |             |   |              |                   |              |          |
|     | Berat Total Besi lapangan X 1    | 6,99               | Kg   |             |   |              |                   |              |          |
|     | 4. Lapangan X 2                  |                    |      |             |   |              |                   |              |          |
|     | Panjang (a)                      | 2,04               | m    |             |   |              |                   |              |          |
|     | Panjang Total                    | 2,04               | m    |             |   |              |                   |              |          |
|     | Jarak Tulangan                   | 0,20               | m    |             |   |              |                   |              |          |
|     | Ukuran Besi                      | 0,010              | m    |             |   |              |                   |              |          |
|     | Berat Tul                        | 0,617              | Kg/m |             |   |              |                   |              |          |
|     | jumlah besi                      | 5,00               | Bh   |             |   |              |                   |              |          |
|     | Panjang Besi 1 Luasan            | 10,20              | m    |             |   |              |                   |              |          |
|     | Total Luasan                     | 1,00               | Bh   |             |   |              |                   |              |          |
|     | Total Panjang Besi 1 Luasan      | 10,20              | m    |             |   |              |                   |              |          |
|     | Berat Total Besi Lapangan X 2    | 6,29               | Kg   |             |   |              |                   |              |          |
|     | Total Penulangan Luasan 8 Arah X | Tumpuan X 1        | +    | Tumpuan X 2 | + | Lapangan X 1 | +                 | Lapangan X 1 | =        |
|     |                                  | 6,29               | +    | 6,29        | + | 6,99         | +                 | 6,29         | = 25,87  |



| NO. | URAIAN PEKERJAAN                 | URAIAN PERHITUNGAN |           |             |                   |              | VOLUME | SAT.         |
|-----|----------------------------------|--------------------|-----------|-------------|-------------------|--------------|--------|--------------|
|     |                                  | Panjang (P)        | Lebar (L) | Tinggi (T)  | Banyak Luasan (Q) | Total        |        |              |
| 1   | 2                                | 3                  | 4         | 5           | 6                 | 7            | 8      | 9            |
|     | Luasan 8 (Arah Y)                |                    |           |             |                   |              |        |              |
|     | Lx                               | 2,04               | m         |             |                   |              |        |              |
|     | Ly                               | 1,95               | m         |             |                   |              |        |              |
|     | 1. Tumpuan Y 1                   |                    |           |             |                   |              |        |              |
|     | Panjang (a)                      | 1,95               | m         |             |                   |              |        |              |
|     | Panjang Total                    | 1,95               | m         |             |                   |              |        |              |
|     | Jarak Tulangan                   | 0,20               | m         |             |                   |              |        |              |
|     | Ukuran Besi                      | 0,010              | m         |             |                   |              |        |              |
|     | Berat Tul                        | 0,617              | Kg/m      |             |                   |              |        |              |
|     | jumlah besi                      | 6,00               | Bh        |             |                   |              |        |              |
|     | Panjang Besi 1 Luasan            | 11,70              | m         |             |                   |              |        |              |
|     | Total Luasan                     | 1,00               | Bh        |             |                   |              |        |              |
|     | Total Panjang Besi 1 Luasan      | 11,70              | m         |             |                   |              |        |              |
|     | Berat Total Besi Tumpuan Y 1     | 7,22               | Kg        |             |                   |              |        |              |
|     | 2. Tumpuan Y 2                   |                    |           |             |                   |              |        |              |
|     | Panjang (a)                      | 1,95               | m         |             |                   |              |        |              |
|     | Panjang Total                    | 1,95               | m         |             |                   |              |        |              |
|     | Jarak Tulangan                   | 0,20               | m         |             |                   |              |        |              |
|     | Ukuran Besi                      | 0,010              | m         |             |                   |              |        |              |
|     | Berat Tul                        | 0,617              | Kg/m      |             |                   |              |        |              |
|     | jumlah besi                      | 6,00               | Bh        |             |                   |              |        |              |
|     | Panjang Besi 1 Luasan            | 11,70              | m         |             |                   |              |        |              |
|     | Total Luasan                     | 1,00               | Bh        |             |                   |              |        |              |
|     | Total Panjang Besi 1 Luasan      | 11,70              | m         |             |                   |              |        |              |
|     | Berat Total Besi Tumpuan Y 2     | 7,22               | Kg        |             |                   |              |        |              |
|     | 3. Lapangan Y 1                  |                    |           |             |                   |              |        |              |
|     | Panjang (a)                      | 0,98               | m         |             |                   |              |        |              |
|     | Panjang (b)                      | 0,49               | m         |             |                   |              |        |              |
|     |                                  | 0,49               | m         |             |                   |              |        |              |
|     | Panjang (c)                      | 0,11               | m         |             |                   |              |        |              |
|     |                                  | 0,11               | m         |             |                   |              |        |              |
|     | Panjang Total                    | 2,18               | m         |             |                   |              |        |              |
|     | Jarak Tulangan                   | 0,20               | m         |             |                   |              |        |              |
|     | Ukuran Besi                      | 0,010              | m         |             |                   |              |        |              |
|     | Berat Tul                        | 0,617              | Kg/m      |             |                   |              |        |              |
|     | jumlah besi                      | 6,00               | Bh        |             |                   |              |        |              |
|     | Panjang Besi 1 Luasan            | 13,06              | m         |             |                   |              |        |              |
|     | Total Luasan                     | 1,00               | Bh        |             |                   |              |        |              |
|     | Total Panjang Besi 1 Luasan      | 13,06              | m         |             |                   |              |        |              |
|     | Berat Total Besi lapangan Y 1    | 8,06               | Kg        |             |                   |              |        |              |
|     | 4. Lapangan Y 2                  |                    |           |             |                   |              |        |              |
|     | Panjang (a)                      | 1,95               | m         |             |                   |              |        |              |
|     | Panjang Total                    | 1,95               | m         |             |                   |              |        |              |
|     | Jarak Tulangan                   | 0,20               | m         |             |                   |              |        |              |
|     | Ukuran Besi                      | 0,010              | m         |             |                   |              |        |              |
|     | Berat Tul                        | 0,617              | Kg/m      |             |                   |              |        |              |
|     | jumlah besi                      | 6,00               | Bh        |             |                   |              |        |              |
|     | Panjang Besi 1 Luasan            | 11,70              | m         |             |                   |              |        |              |
|     | Total Luasan                     | 1,00               | Bh        |             |                   |              |        |              |
|     | Total Panjang Besi 1 Luasan      | 11,70              | m         |             |                   |              |        |              |
|     | Berat Total Besi Lapangan Y 2    | 7,22               | Kg        |             |                   |              |        |              |
|     | Total Penulangan Luasan 8 Arah Y | Tumpuan Y 1        | +         | Tumpuan Y 2 | +                 | Lapangan Y 1 | +      | Lapangan Y 2 |
|     |                                  | 7,22               | +         | 7,22        | +                 | 8,06         | +      | 7,22         |
|     |                                  |                    |           |             |                   |              |        | =            |
|     |                                  |                    |           |             |                   |              |        | 29,71        |
|     | Total Penulangan Luasan 8        | Arah X             | +         | Arah Y      |                   |              |        |              |
|     |                                  | 25,87              | +         | 29,71       |                   |              |        |              |
|     |                                  |                    |           |             |                   |              |        | =            |
|     |                                  |                    |           |             |                   |              |        | 55,58        |
|     | Luasan 9 (Arah X)                |                    |           |             |                   |              |        |              |
|     | Lx                               | 3,48               | m         |             |                   |              |        |              |
|     | Ly                               | 1,95               | m         |             |                   |              |        |              |
|     | 1. Tumpuan X 1                   |                    |           |             |                   |              |        |              |
|     | Panjang (a)                      | 3,48               | m         |             |                   |              |        |              |
|     | Panjang Total                    | 3,48               | m         |             |                   |              |        |              |
|     | Jarak Tulangan                   | 0,20               | m         |             |                   |              |        |              |
|     | Ukuran Besi                      | 0,010              | m         |             |                   |              |        |              |
|     | Berat Tul                        | 0,617              | Kg/m      |             |                   |              |        |              |
|     | jumlah besi                      | 5,00               | Bh        |             |                   |              |        |              |
|     | Panjang Besi 1 Luasan            | 17,40              | m         |             |                   |              |        |              |
|     | Total Luasan                     | 1,00               | Bh        |             |                   |              |        |              |
|     | Total Panjang Besi 1 Luasan      | 17,40              | m         |             |                   |              |        |              |
|     | Berat Total Besi Tumpuan X 1     | 10,74              | Kg        |             |                   |              |        |              |

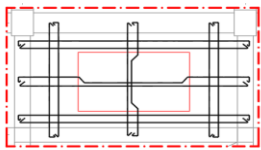
| NO. | URAIAN PEKERJAAN                 | URAIAN PERHITUNGAN |      |             |   |              |                   | VOLUME       | SAT.  |
|-----|----------------------------------|--------------------|------|-------------|---|--------------|-------------------|--------------|-------|
|     |                                  | Panjang (P)        |      | Lebar (L)   |   | Tinggi (T)   | Banyak Luasan (Q) | Total        |       |
| 1   | 2                                | 3                  |      | 4           |   | 5            | 6                 | 7            | 8     |
|     | 2. Tumpuan X 2                   |                    |      |             |   |              |                   |              |       |
|     | Panjang (a)                      | 3,48               | m    |             |   |              |                   |              |       |
|     | Panjang Total                    | 3,48               | m    |             |   |              |                   |              |       |
|     | Jarak Tulangan                   | 0,20               | m    |             |   |              |                   |              |       |
|     | Ukuran Besi                      | 0,010              | m    |             |   |              |                   |              |       |
|     | Berat Tul                        | 0,617              | Kg/m |             |   |              |                   |              |       |
|     | jumlah besi                      | 5,00               | Bh   |             |   |              |                   |              |       |
|     | Panjang Besi 1 Luasan            | 17,40              | m    |             |   |              |                   |              |       |
|     | Total Luasan                     | 1,00               | Bh   |             |   |              |                   |              |       |
|     | Total Panjang Besi 1 Luasan      | 17,40              | m    |             |   |              |                   |              |       |
|     | Berat Total Besi Tumpuan X 2     | 10,74              | Kg   |             |   |              |                   |              |       |
|     | 3. Lapangan X 1                  |                    |      |             |   |              |                   |              |       |
|     | Panjang (a)                      | 1,74               | m    |             |   |              |                   |              |       |
|     | Panjang (b)                      | 0,87               | m    |             |   |              |                   |              |       |
|     |                                  | 0,87               | m    |             |   |              |                   |              |       |
|     | Panjang (c)                      | 0,11               | m    |             |   |              |                   |              |       |
|     |                                  | 0,11               | m    |             |   |              |                   |              |       |
|     | Panjang Total                    | 3,71               | m    |             |   |              |                   |              |       |
|     | Jarak Tulangan                   | 0,20               | m    |             |   |              |                   |              |       |
|     | Ukuran Besi                      | 0,010              | m    |             |   |              |                   |              |       |
|     | Berat Tul                        | 0,617              | Kg/m |             |   |              |                   |              |       |
|     | jumlah besi                      | 5,00               | Bh   |             |   |              |                   |              |       |
|     | Panjang Besi 1 Luasan            | 18,53              | m    |             |   |              |                   |              |       |
|     | Total Luasan                     | 1,00               | Bh   |             |   |              |                   |              |       |
|     | Total Panjang Besi 1 Luasan      | 18,53              | m    |             |   |              |                   |              |       |
|     | Berat Total Besi lapangan X 1    | 11,43              | Kg   |             |   |              |                   |              |       |
|     | 4. Lapangan X 2                  |                    |      |             |   |              |                   |              |       |
|     | Panjang (a)                      | 3,48               | m    |             |   |              |                   |              |       |
|     | Panjang Total                    | 3,48               | m    |             |   |              |                   |              |       |
|     | Jarak Tulangan                   | 0,20               | m    |             |   |              |                   |              |       |
|     | Ukuran Besi                      | 0,010              | m    |             |   |              |                   |              |       |
|     | Berat Tul                        | 0,617              | Kg/m |             |   |              |                   |              |       |
|     | jumlah besi                      | 5,00               | Bh   |             |   |              |                   |              |       |
|     | Panjang Besi 1 Luasan            | 17,40              | m    |             |   |              |                   |              |       |
|     | Total Luasan                     | 1,00               | Bh   |             |   |              |                   |              |       |
|     | Total Panjang Besi 1 Luasan      | 17,40              | m    |             |   |              |                   |              |       |
|     | Berat Total Besi Lapangan X 2    | 10,74              | Kg   |             |   |              |                   |              |       |
|     | Total Penulangan Luasan 9 Arah X | Tumpuan X 1        | +    | Tumpuan X 2 | + | Lapangan X 1 | +                 | Lapangan X 1 | =     |
|     |                                  | 10,74              | +    | 10,74       | + | 11,43        | +                 | 10,74        | 43,64 |
|     | Luasan 9 (Arah Y)                |                    |      |             |   |              |                   |              |       |
|     | Lx                               | 3,48               | m    |             |   |              |                   |              |       |
|     | Ly                               | 1,95               | m    |             |   |              |                   |              |       |
|     | 1. Tumpuan Y 1                   |                    |      |             |   |              |                   |              |       |
|     | Panjang (a)                      | 1,95               | m    |             |   |              |                   |              |       |
|     | Panjang Total                    | 1,95               | m    |             |   |              |                   |              |       |
|     | Jarak Tulangan                   | 0,20               | m    |             |   |              |                   |              |       |
|     | Ukuran Besi                      | 0,010              | m    |             |   |              |                   |              |       |
|     | Berat Tul                        | 0,617              | Kg/m |             |   |              |                   |              |       |
|     | jumlah besi                      | 9,00               | Bh   |             |   |              |                   |              |       |
|     | Panjang Besi 1 Luasan            | 17,55              | m    |             |   |              |                   |              |       |
|     | Total Luasan                     | 1,00               | Bh   |             |   |              |                   |              |       |
|     | Total Panjang Besi 1 Luasan      | 17,55              | m    |             |   |              |                   |              |       |
|     | Berat Total Besi Tumpuan Y 1     | 10,83              | Kg   |             |   |              |                   |              |       |
|     | 2. Tumpuan Y 2                   |                    |      |             |   |              |                   |              |       |
|     | Panjang (a)                      | 1,95               | m    |             |   |              |                   |              |       |
|     | Panjang Total                    | 1,95               | m    |             |   |              |                   |              |       |
|     | Jarak Tulangan                   | 0,20               | m    |             |   |              |                   |              |       |
|     | Ukuran Besi                      | 0,010              | m    |             |   |              |                   |              |       |
|     | Berat Tul                        | 0,617              | Kg/m |             |   |              |                   |              |       |
|     | jumlah besi                      | 9,00               | Bh   |             |   |              |                   |              |       |
|     | Panjang Besi 1 Luasan            | 17,55              | m    |             |   |              |                   |              |       |
|     | Total Luasan                     | 1,00               | Bh   |             |   |              |                   |              |       |
|     | Total Panjang Besi 1 Luasan      | 17,55              | m    |             |   |              |                   |              |       |
|     | Berat Total Besi Tumpuan Y 2     | 10,83              | Kg   |             |   |              |                   |              |       |



| NO. | URAIAN PEKERJAAN                 | URAIAN PERHITUNGAN |      |             |            |                   |   | VOLUME       | SAT.    |
|-----|----------------------------------|--------------------|------|-------------|------------|-------------------|---|--------------|---------|
|     |                                  | Panjang (P)        |      | Lebar (L)   | Tinggi (T) | Banyak Luasan (Q) |   | Total        |         |
| 1   | 2                                | 3                  |      | 4           | 5          | 6                 |   | 7            | 8       |
|     | 3. Lapangan Y 1                  |                    |      |             |            |                   |   |              |         |
|     | Panjang (a)                      | 0,98               | m    |             |            |                   |   |              |         |
|     | Panjang (b)                      | 0,49               | m    |             |            |                   |   |              |         |
|     |                                  | 0,49               | m    |             |            |                   |   |              |         |
|     | Panjang (c)                      | 0,11               | m    |             |            |                   |   |              |         |
|     |                                  | 0,11               | m    |             |            |                   |   |              |         |
|     | Panjang Total                    | 2,18               | m    |             |            |                   |   |              |         |
|     | Jarak Tulangan                   | 0,20               | m    |             |            |                   |   |              |         |
|     | Ukuran Besi                      | 0,010              | m    |             |            |                   |   |              |         |
|     | Berat Tul                        | 0,617              | Kg/m |             |            |                   |   |              |         |
|     | jumlah besi                      | 9,00               | Bh   |             |            |                   |   |              |         |
|     | Panjang Besi 1 Luasan            | 19,59              | m    |             |            |                   |   |              |         |
|     | Total Luasan                     | 1,00               | Bh   |             |            |                   |   |              |         |
|     | Total Panjang Besi 1 Luasan      | 19,59              | m    |             |            |                   |   |              |         |
|     | Berat Total Besi lapangan Y 1    | 12,08              | Kg   |             |            |                   |   |              |         |
|     | 4. Lapangan Y 2                  |                    |      |             |            |                   |   |              |         |
|     | Panjang (a)                      | 1,95               | m    |             |            |                   |   |              |         |
|     | Panjang Total                    | 1,95               | m    |             |            |                   |   |              |         |
|     | Jarak Tulangan                   | 0,20               | m    |             |            |                   |   |              |         |
|     | Ukuran Besi                      | 0,010              | m    |             |            |                   |   |              |         |
|     | Berat Tul                        | 0,617              | Kg/m |             |            |                   |   |              |         |
|     | jumlah besi                      | 9,00               | Bh   |             |            |                   |   |              |         |
|     | Panjang Besi 1 Luasan            | 17,55              | m    |             |            |                   |   |              |         |
|     | Total Luasan                     | 1,00               | Bh   |             |            |                   |   |              |         |
|     | Total Panjang Besi 1 Luasan      | 17,55              | m    |             |            |                   |   |              |         |
|     | Berat Total Besi Lapangan Y 2    | 10,83              | Kg   |             |            |                   |   |              |         |
|     | Total Penulangan Luasan 9 Arah Y | Tumpuan Y 1        | +    | Tumpuan Y 2 | +          | Lapangan Y 1      | + | Lapangan Y 2 | =       |
|     |                                  | 10,83              | +    | 10,83       | +          | 12,08             | + | 10,83        | = 44,57 |
|     | Total Penulangan Luasan 9        | Arah X             | +    | Arah Y      |            |                   |   |              | =       |
|     |                                  | 43,64              | +    | 44,57       |            |                   |   |              | 88,21   |
|     | Luasan 10 (Arah X)               |                    |      |             |            |                   |   |              |         |
|     | Lx                               | 3,54               | m    |             |            |                   |   |              |         |
|     | Ly                               | 1,95               | m    |             |            |                   |   |              |         |
|     | 1. Tumpuan X 1                   |                    |      |             |            |                   |   |              |         |
|     | Panjang (a)                      | 3,54               | m    |             |            |                   |   |              |         |
|     | Panjang Total                    | 3,54               | m    |             |            |                   |   |              |         |
|     | Jarak Tulangan                   | 0,20               | m    |             |            |                   |   |              |         |
|     | Ukuran Besi                      | 0,010              | m    |             |            |                   |   |              |         |
|     | Berat Tul                        | 0,617              | Kg/m |             |            |                   |   |              |         |
|     | jumlah besi                      | 5,00               | Bh   |             |            |                   |   |              |         |
|     | Panjang Besi 1 Luasan            | 17,70              | m    |             |            |                   |   |              |         |
|     | Total Luasan                     | 1,00               | Bh   |             |            |                   |   |              |         |
|     | Total Panjang Besi 1 Luasan      | 17,70              | m    |             |            |                   |   |              |         |
|     | Berat Total Besi Tumpuan X 1     | 10,92              | Kg   |             |            |                   |   |              |         |
|     | 2. Tumpuan X 2                   |                    |      |             |            |                   |   |              |         |
|     | Panjang (a)                      | 3,54               | m    |             |            |                   |   |              |         |
|     | Panjang Total                    | 3,54               | m    |             |            |                   |   |              |         |
|     | Jarak Tulangan                   | 0,20               | m    |             |            |                   |   |              |         |
|     | Ukuran Besi                      | 0,010              | m    |             |            |                   |   |              |         |
|     | Berat Tul                        | 0,617              | Kg/m |             |            |                   |   |              |         |
|     | jumlah besi                      | 5,00               | Bh   |             |            |                   |   |              |         |
|     | Panjang Besi 1 Luasan            | 17,70              | m    |             |            |                   |   |              |         |
|     | Total Luasan                     | 1,00               | Bh   |             |            |                   |   |              |         |
|     | Total Panjang Besi 1 Luasan      | 17,70              | m    |             |            |                   |   |              |         |
|     | Berat Total Besi Tumpuan X 2     | 10,92              | Kg   |             |            |                   |   |              |         |
|     | 3. Lapangan X 1                  |                    |      |             |            |                   |   |              |         |
|     | Panjang (a)                      | 1,77               | m    |             |            |                   |   |              |         |
|     | Panjang (b)                      | 0,89               | m    |             |            |                   |   |              |         |
|     |                                  | 0,89               | m    |             |            |                   |   |              |         |
|     | Panjang (c)                      | 0,11               | m    |             |            |                   |   |              |         |
|     |                                  | 0,11               | m    |             |            |                   |   |              |         |
|     | Panjang Total                    | 3,77               | m    |             |            |                   |   |              |         |
|     | Jarak Tulangan                   | 0,20               | m    |             |            |                   |   |              |         |
|     | Ukuran Besi                      | 0,010              | m    |             |            |                   |   |              |         |
|     | Berat Tul                        | 0,617              | Kg/m |             |            |                   |   |              |         |
|     | jumlah besi                      | 5,00               | Bh   |             |            |                   |   |              |         |
|     | Panjang Besi 1 Luasan            | 18,83              | m    |             |            |                   |   |              |         |
|     | Total Luasan                     | 1,00               | Bh   |             |            |                   |   |              |         |
|     | Total Panjang Besi 1 Luasan      | 18,83              | m    |             |            |                   |   |              |         |
|     | Berat Total Besi lapangan X 1    | 11,62              | Kg   |             |            |                   |   |              |         |

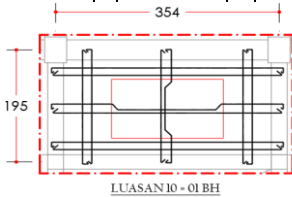
354

195



LUASAN 10 = 01 BH

| NO. | URAIAN PEKERJAAN                  | URAIAN PERHITUNGAN |      |             |   |              |                   | VOLUME       | SAT.    |
|-----|-----------------------------------|--------------------|------|-------------|---|--------------|-------------------|--------------|---------|
|     |                                   | Panjang (P)        |      | Lebar (L)   |   | Tinggi (T)   | Banyak Luasan (Q) | Total        |         |
| 1   | 2                                 | 3                  |      | 4           |   | 5            | 6                 | 7            | 8       |
|     | 4. Lapangan X 2                   |                    |      |             |   |              |                   |              |         |
|     | Panjang (a)                       | 3,54               | m    |             |   |              |                   |              |         |
|     | Panjang Total                     | 3,54               | m    |             |   |              |                   |              |         |
|     | Jarak Tulangan                    | 0,20               | m    |             |   |              |                   |              |         |
|     | Ukuran Besi                       | 0,010              | m    |             |   |              |                   |              |         |
|     | Berat Tul                         | 0,617              | Kg/m |             |   |              |                   |              |         |
|     | jumlah besi                       | 5,00               | Bh   |             |   |              |                   |              |         |
|     | Panjang Besi 1 Luasan             | 17,70              | m    |             |   |              |                   |              |         |
|     | Total Luasan                      | 1,00               | Bh   |             |   |              |                   |              |         |
|     | Total Panjang Besi 1 Luasan       | 17,70              | m    |             |   |              |                   |              |         |
|     | Berat Total Besi Lapangan X 2     | 10,92              | Kg   |             |   |              |                   |              |         |
|     | Total Penulangan Luasan 10 Arah X | Tumpuan X 1        | +    | Tumpuan X 2 | + | Lapangan X 1 | +                 | Lapangan X 1 | =       |
|     |                                   | 10,92              | +    | 10,92       | + | 11,62        | +                 | 10,92        | = 44,38 |
|     | Luasan 10 (Arah Y)                |                    |      |             |   |              |                   |              |         |
|     | Lx                                | 3,54               | m    |             |   |              |                   |              |         |
|     | Ly                                | 1,95               | m    |             |   |              |                   |              |         |
|     | 1. Tumpuan Y 1                    |                    |      |             |   |              |                   |              |         |
|     | Panjang (a)                       | 1,95               | m    |             |   |              |                   |              |         |
|     | Panjang Total                     | 1,95               | m    |             |   |              |                   |              |         |
|     | Jarak Tulangan                    | 0,20               | m    |             |   |              |                   |              |         |
|     | Ukuran Besi                       | 0,010              | m    |             |   |              |                   |              |         |
|     | Berat Tul                         | 0,617              | Kg/m |             |   |              |                   |              |         |
|     | jumlah besi                       | 9,00               | Bh   |             |   |              |                   |              |         |
|     | Panjang Besi 1 Luasan             | 17,55              | m    |             |   |              |                   |              |         |
|     | Total Luasan                      | 1,00               | Bh   |             |   |              |                   |              |         |
|     | Total Panjang Besi 1 Luasan       | 17,55              | m    |             |   |              |                   |              |         |
|     | Berat Total Besi Tumpuan Y 1      | 10,83              | Kg   |             |   |              |                   |              |         |
|     | 2. Tumpuan Y 2                    |                    |      |             |   |              |                   |              |         |
|     | Panjang (a)                       | 1,95               | m    |             |   |              |                   |              |         |
|     | Panjang Total                     | 1,95               | m    |             |   |              |                   |              |         |
|     | Jarak Tulangan                    | 0,20               | m    |             |   |              |                   |              |         |
|     | Ukuran Besi                       | 0,010              | m    |             |   |              |                   |              |         |
|     | Berat Tul                         | 0,617              | Kg/m |             |   |              |                   |              |         |
|     | jumlah besi                       | 9,00               | Bh   |             |   |              |                   |              |         |
|     | Panjang Besi 1 Luasan             | 17,55              | m    |             |   |              |                   |              |         |
|     | Total Luasan                      | 1,00               | Bh   |             |   |              |                   |              |         |
|     | Total Panjang Besi 1 Luasan       | 17,55              | m    |             |   |              |                   |              |         |
|     | Berat Total Besi Tumpuan Y 2      | 10,83              | Kg   |             |   |              |                   |              |         |
|     | 3. Lapangan Y 1                   |                    |      |             |   |              |                   |              |         |
|     | Panjang (a)                       | 0,98               | m    |             |   |              |                   |              |         |
|     | Panjang (b)                       | 0,49               | m    |             |   |              |                   |              |         |
|     | Panjang (c)                       | 0,49               | m    |             |   |              |                   |              |         |
|     | Panjang (c)                       | 0,11               | m    |             |   |              |                   |              |         |
|     | Panjang Total                     | 2,18               | m    |             |   |              |                   |              |         |
|     | Jarak Tulangan                    | 0,20               | m    |             |   |              |                   |              |         |
|     | Ukuran Besi                       | 0,010              | m    |             |   |              |                   |              |         |
|     | Berat Tul                         | 0,617              | Kg/m |             |   |              |                   |              |         |
|     | jumlah besi                       | 9,00               | Bh   |             |   |              |                   |              |         |
|     | Panjang Besi 1 Luasan             | 19,59              | m    |             |   |              |                   |              |         |
|     | Total Luasan                      | 1,00               | Bh   |             |   |              |                   |              |         |
|     | Total Panjang Besi 1 Luasan       | 19,59              | m    |             |   |              |                   |              |         |
|     | Berat Total Besi lapangan Y 1     | 12,08              | Kg   |             |   |              |                   |              |         |
|     | 4. Lapangan Y 2                   |                    |      |             |   |              |                   |              |         |
|     | Panjang (a)                       | 1,95               | m    |             |   |              |                   |              |         |
|     | Panjang Total                     | 1,95               | m    |             |   |              |                   |              |         |
|     | Jarak Tulangan                    | 0,20               | m    |             |   |              |                   |              |         |
|     | Ukuran Besi                       | 0,010              | m    |             |   |              |                   |              |         |
|     | Berat Tul                         | 0,617              | Kg/m |             |   |              |                   |              |         |
|     | jumlah besi                       | 9,00               | Bh   |             |   |              |                   |              |         |
|     | Panjang Besi 1 Luasan             | 17,55              | m    |             |   |              |                   |              |         |
|     | Total Luasan                      | 1,00               | Bh   |             |   |              |                   |              |         |
|     | Total Panjang Besi 1 Luasan       | 17,55              | m    |             |   |              |                   |              |         |
|     | Berat Total Besi Lapangan Y 2     | 10,83              | Kg   |             |   |              |                   |              |         |
|     | Total Penulangan Luasan 10 Arah Y | Tumpuan Y 1        | +    | Tumpuan Y 2 | + | Lapangan Y 1 | +                 | Lapangan Y 2 | =       |
|     |                                   | 10,83              | +    | 10,83       | + | 12,08        | +                 | 10,83        | = 44,57 |
|     | Total Penulangan Luasan 10        | Arah X             | +    | Arah Y      |   |              |                   |              |         |
|     |                                   | 44,38              | +    | 44,57       |   |              |                   | = 88,95      |         |

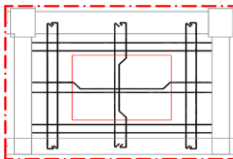


| NO. | URAIAN PEKERJAAN                  | URAIAN PERHITUNGAN |           |             |                   |              | VOLUME | SAT.         |
|-----|-----------------------------------|--------------------|-----------|-------------|-------------------|--------------|--------|--------------|
|     |                                   | Panjang (P)        | Lebar (L) | Tinggi (T)  | Banyak Luasan (Q) | Total        |        |              |
| 1   | 2                                 | 3                  | 4         | 5           | 6                 | 7            | 8      | 9            |
|     | Luasan 11 (Arah X)                |                    |           |             |                   |              |        |              |
|     | Lx                                | 2,11               | m         |             |                   |              |        |              |
|     | Ly                                | 1,95               | m         |             |                   |              |        |              |
|     | 1. Tumpuan X 1                    |                    |           |             |                   |              |        |              |
|     | Panjang (a)                       | 2,11               | m         |             |                   |              |        |              |
|     | Panjang Total                     | 2,11               | m         |             |                   |              |        |              |
|     | Jarak Tulangan                    | 0,20               | m         |             |                   |              |        |              |
|     | Ukuran Besi                       | 0,010              | m         |             |                   |              |        |              |
|     | Berat Tul                         | 0,617              | Kg/m      |             |                   |              |        |              |
|     | jumlah besi                       | 5,00               | Bh        |             |                   |              |        |              |
|     | Panjang Besi 1 Luasan             | 10,55              | m         |             |                   |              |        |              |
|     | Total Luasan                      | 1,00               | Bh        |             |                   |              |        |              |
|     | Total Panjang Besi 1 Luasan       | 10,55              | m         |             |                   |              |        |              |
|     | Berat Total Besi Tumpuan X 1      | 6,51               | Kg        |             |                   |              |        |              |
|     | 2. Tumpuan X 2                    |                    |           |             |                   |              |        |              |
|     | Panjang (a)                       | 2,11               | m         |             |                   |              |        |              |
|     | Panjang Total                     | 2,11               | m         |             |                   |              |        |              |
|     | Jarak Tulangan                    | 0,20               | m         |             |                   |              |        |              |
|     | Ukuran Besi                       | 0,010              | m         |             |                   |              |        |              |
|     | Berat Tul                         | 0,617              | Kg/m      |             |                   |              |        |              |
|     | jumlah besi                       | 5,00               | Bh        |             |                   |              |        |              |
|     | Panjang Besi 1 Luasan             | 10,55              | m         |             |                   |              |        |              |
|     | Total Luasan                      | 1,00               | Bh        |             |                   |              |        |              |
|     | Total Panjang Besi 1 Luasan       | 10,55              | m         |             |                   |              |        |              |
|     | Berat Total Besi Tumpuan X 2      | 6,51               | Kg        |             |                   |              |        |              |
|     | 3. Lapangan X 1                   |                    |           |             |                   |              |        |              |
|     | Panjang (a)                       | 1,06               | m         |             |                   |              |        |              |
|     | Panjang (b)                       | 0,53               | m         |             |                   |              |        |              |
|     |                                   | 0,53               | m         |             |                   |              |        |              |
|     | Panjang (c)                       | 0,11               | m         |             |                   |              |        |              |
|     |                                   | 0,11               | m         |             |                   |              |        |              |
|     | Panjang Total                     | 2,34               | m         |             |                   |              |        |              |
|     | Jarak Tulangan                    | 0,20               | m         |             |                   |              |        |              |
|     | Ukuran Besi                       | 0,010              | m         |             |                   |              |        |              |
|     | Berat Tul                         | 0,617              | Kg/m      |             |                   |              |        |              |
|     | jumlah besi                       | 5,00               | Bh        |             |                   |              |        |              |
|     | Panjang Besi 1 Luasan             | 11,68              | m         |             |                   |              |        |              |
|     | Total Luasan                      | 1,00               | Bh        |             |                   |              |        |              |
|     | Total Panjang Besi 1 Luasan       | 11,68              | m         |             |                   |              |        |              |
|     | Berat Total Besi lapangan X 1     | 7,21               | Kg        |             |                   |              |        |              |
|     | 4. Lapangan X 2                   |                    |           |             |                   |              |        |              |
|     | Panjang (a)                       | 2,11               | m         |             |                   |              |        |              |
|     | Panjang Total                     | 2,11               | m         |             |                   |              |        |              |
|     | Jarak Tulangan                    | 0,20               | m         |             |                   |              |        |              |
|     | Ukuran Besi                       | 0,010              | m         |             |                   |              |        |              |
|     | Berat Tul                         | 0,617              | Kg/m      |             |                   |              |        |              |
|     | jumlah besi                       | 5,00               | Bh        |             |                   |              |        |              |
|     | Panjang Besi 1 Luasan             | 10,55              | m         |             |                   |              |        |              |
|     | Total Luasan                      | 1,00               | Bh        |             |                   |              |        |              |
|     | Total Panjang Besi 1 Luasan       | 10,55              | m         |             |                   |              |        |              |
|     | Berat Total Besi Lapangan X 2     | 6,51               | Kg        |             |                   |              |        |              |
|     | Total Penulangan Luasan 11 Arah X | Tumpuan X 1        | +         | Tumpuan X 2 | +                 | Lapangan X 1 | +      | Lapangan X 1 |
|     |                                   | 6,51               | +         | 6,51        | +                 | 7,21         | +      | 6,51         |
|     |                                   |                    |           |             |                   |              | =      | 26,74        |
|     | Luasan 11 (Arah Y)                |                    |           |             |                   |              |        |              |
|     | Lx                                | 2,11               | m         |             |                   |              |        |              |
|     | Ly                                | 1,95               | m         |             |                   |              |        |              |
|     | 1. Tumpuan Y 1                    |                    |           |             |                   |              |        |              |
|     | Panjang (a)                       | 1,95               | m         |             |                   |              |        |              |
|     | Panjang Total                     | 1,95               | m         |             |                   |              |        |              |
|     | Jarak Tulangan                    | 0,20               | m         |             |                   |              |        |              |
|     | Ukuran Besi                       | 0,010              | m         |             |                   |              |        |              |
|     | Berat Tul                         | 0,617              | Kg/m      |             |                   |              |        |              |
|     | jumlah besi                       | 6,00               | Bh        |             |                   |              |        |              |
|     | Panjang Besi 1 Luasan             | 11,70              | m         |             |                   |              |        |              |
|     | Total Luasan                      | 1,00               | Bh        |             |                   |              |        |              |
|     | Total Panjang Besi 1 Luasan       | 11,70              | m         |             |                   |              |        |              |
|     | Berat Total Besi Tumpuan Y 1      | 7,22               | Kg        |             |                   |              |        |              |

| NO. | URAIAN PEKERJAAN                  | URAIAN PERHITUNGAN |           |             |                   |              | VOLUME | SAT.         |
|-----|-----------------------------------|--------------------|-----------|-------------|-------------------|--------------|--------|--------------|
|     |                                   | Panjang (P)        | Lebar (L) | Tinggi (T)  | Banyak Luasan (Q) | Total        |        |              |
| 1   | 2                                 | 3                  | 4         | 5           | 6                 | 7            | 8      | 9            |
|     | 2. Tumpuan Y 2                    |                    |           |             |                   |              |        |              |
|     | Panjang (a)                       | 1,95               | m         |             |                   |              |        |              |
|     | Panjang Total                     | 1,95               | m         |             |                   |              |        |              |
|     | Jarak Tulangan                    | 0,20               | m         |             |                   |              |        |              |
|     | Ukuran Besi                       | 0,010              | m         |             |                   |              |        |              |
|     | Berat Tul                         | 0,617              | Kg/m      |             |                   |              |        |              |
|     | jumlah besi                       | 6,00               | Bh        |             |                   |              |        |              |
|     | Panjang Besi 1 Luasan             | 11,70              | m         |             |                   |              |        |              |
|     | Total Luasan                      | 1,00               | Bh        |             |                   |              |        |              |
|     | Total Panjang Besi 1 Luasan       | 11,70              | m         |             |                   |              |        |              |
|     | Berat Total Besi Tumpuan Y 2      | 7,22               | Kg        |             |                   |              |        |              |
|     | 3. Lapangan Y 1                   |                    |           |             |                   |              |        |              |
|     | Panjang (a)                       | 0,98               | m         |             |                   |              |        |              |
|     | Panjang (b)                       | 0,49               | m         |             |                   |              |        |              |
|     |                                   | 0,49               | m         |             |                   |              |        |              |
|     | Panjang (c)                       | 0,11               | m         |             |                   |              |        |              |
|     |                                   | 0,11               | m         |             |                   |              |        |              |
|     | Panjang Total                     | 2,18               | m         |             |                   |              |        |              |
|     | Jarak Tulangan                    | 0,20               | m         |             |                   |              |        |              |
|     | Ukuran Besi                       | 0,010              | m         |             |                   |              |        |              |
|     | Berat Tul                         | 0,617              | Kg/m      |             |                   |              |        |              |
|     | jumlah besi                       | 6,00               | Bh        |             |                   |              |        |              |
|     | Panjang Besi 1 Luasan             | 13,06              | m         |             |                   |              |        |              |
|     | Total Luasan                      | 1,00               | Bh        |             |                   |              |        |              |
|     | Total Panjang Besi 1 Luasan       | 13,06              | m         |             |                   |              |        |              |
|     | Berat Total Besi lapangan Y 1     | 8,06               | Kg        |             |                   |              |        |              |
|     | 4. Lapangan Y 2                   |                    |           |             |                   |              |        |              |
|     | Panjang (a)                       | 1,95               | m         |             |                   |              |        |              |
|     | Panjang Total                     | 1,95               | m         |             |                   |              |        |              |
|     | Jarak Tulangan                    | 0,20               | m         |             |                   |              |        |              |
|     | Ukuran Besi                       | 0,010              | m         |             |                   |              |        |              |
|     | Berat Tul                         | 0,617              | Kg/m      |             |                   |              |        |              |
|     | jumlah besi                       | 6,00               | Bh        |             |                   |              |        |              |
|     | Panjang Besi 1 Luasan             | 11,70              | m         |             |                   |              |        |              |
|     | Total Luasan                      | 1,00               | Bh        |             |                   |              |        |              |
|     | Total Panjang Besi 1 Luasan       | 11,70              | m         |             |                   |              |        |              |
|     | Berat Total Besi Lapangan Y 2     | 7,22               | Kg        |             |                   |              |        |              |
|     | Total Penulangan Luasan 11 Arah Y | Tumpuan Y 1        | +         | Tumpuan Y 2 | +                 | Lapangan Y 1 | +      | Lapangan Y 2 |
|     |                                   | 7,22               | +         | 7,22        | +                 | 8,06         | +      | 7,22         |
|     |                                   |                    |           |             |                   |              | =      | 29,71        |
|     | Total Penulangan Luasan 11        | Arah X             | +         | Arah Y      |                   |              |        |              |
|     |                                   | 26,74              | +         | 29,71       |                   |              | =      | 56,45        |
|     | Luasan 12 (Arah X)                |                    |           |             |                   |              |        |              |
|     | Lx                                | 2,83               | m         |             |                   |              |        |              |
|     | Ly                                | 1,95               | m         |             |                   |              |        |              |
|     | 1. Tumpuan X 1                    |                    |           |             |                   |              |        |              |
|     | Panjang (a)                       | 2,83               | m         |             |                   |              |        |              |
|     | Panjang Total                     | 2,83               | m         |             |                   |              |        |              |
|     | Jarak Tulangan                    | 0,20               | m         |             |                   |              |        |              |
|     | Ukuran Besi                       | 0,010              | m         |             |                   |              |        |              |
|     | Berat Tul                         | 0,617              | Kg/m      |             |                   |              |        |              |
|     | jumlah besi                       | 5,00               | Bh        |             |                   |              |        |              |
|     | Panjang Besi 1 Luasan             | 14,15              | m         |             |                   |              |        |              |
|     | Total Luasan                      | 1,00               | Bh        |             |                   |              |        |              |
|     | Total Panjang Besi 1 Luasan       | 14,15              | m         |             |                   |              |        |              |
|     | Berat Total Besi Tumpuan X 1      | 8,73               | Kg        |             |                   |              |        |              |
|     | 2. Tumpuan X 2                    |                    |           |             |                   |              |        |              |
|     | Panjang (a)                       | 2,83               | m         |             |                   |              |        |              |
|     | Panjang Total                     | 2,83               | m         |             |                   |              |        |              |
|     | Jarak Tulangan                    | 0,20               | m         |             |                   |              |        |              |
|     | Ukuran Besi                       | 0,010              | m         |             |                   |              |        |              |
|     | Berat Tul                         | 0,617              | Kg/m      |             |                   |              |        |              |
|     | jumlah besi                       | 5,00               | Bh        |             |                   |              |        |              |
|     | Panjang Besi 1 Luasan             | 14,15              | m         |             |                   |              |        |              |
|     | Total Luasan                      | 1,00               | Bh        |             |                   |              |        |              |
|     | Total Panjang Besi 1 Luasan       | 14,15              | m         |             |                   |              |        |              |
|     | Berat Total Besi Tumpuan X 2      | 8,73               | Kg        |             |                   |              |        |              |

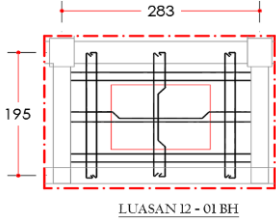
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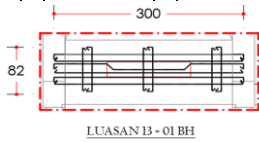


LUASAN 12 - 01 BH

| NO. | URAIAN PEKERJAAN                  | URAIAN PERHITUNGAN |      |             |            |                   |   | VOLUME       | SAT.  |
|-----|-----------------------------------|--------------------|------|-------------|------------|-------------------|---|--------------|-------|
|     |                                   | Panjang (P)        |      | Lebar (L)   | Tinggi (T) | Banyak Luasan (Q) |   | Total        |       |
| 1   | 2                                 | 3                  |      | 4           | 5          | 6                 |   | 7            | 8     |
|     | 3. Lapangan X 1                   |                    |      |             |            |                   |   |              |       |
|     | Panjang (a)                       | 1,42               | m    |             |            |                   |   |              |       |
|     | Panjang (b)                       | 0,71               | m    |             |            |                   |   |              |       |
|     |                                   | 0,71               | m    |             |            |                   |   |              |       |
|     | Panjang (c)                       | 0,11               | m    |             |            |                   |   |              |       |
|     |                                   | 0,11               | m    |             |            |                   |   |              |       |
|     | Panjang Total                     | 3,06               | m    |             |            |                   |   |              |       |
|     | Jarak Tulangan                    | 0,20               | m    |             |            |                   |   |              |       |
|     | Ukuran Besi                       | 0,010              | m    |             |            |                   |   |              |       |
|     | Berat Tul                         | 0,617              | Kg/m |             |            |                   |   |              |       |
|     | jumlah besi                       | 5,00               | Bh   |             |            |                   |   |              |       |
|     | Panjang Besi 1 Luasan             | 15,28              | m    |             |            |                   |   |              |       |
|     | Total Luasan                      | 1,00               | Bh   |             |            |                   |   |              |       |
|     | Total Panjang Besi 1 Luasan       | 15,28              | m    |             |            |                   |   |              |       |
|     | Berat Total Besi lapangan X 1     | 9,43               | Kg   |             |            |                   |   |              |       |
|     | 4. Lapangan X 2                   |                    |      |             |            |                   |   |              |       |
|     | Panjang (a)                       | 2,83               | m    |             |            |                   |   |              |       |
|     | Panjang Total                     | 2,83               | m    |             |            |                   |   |              |       |
|     | Jarak Tulangan                    | 0,20               | m    |             |            |                   |   |              |       |
|     | Ukuran Besi                       | 0,010              | m    |             |            |                   |   |              |       |
|     | Berat Tul                         | 0,617              | Kg/m |             |            |                   |   |              |       |
|     | jumlah besi                       | 5,00               | Bh   |             |            |                   |   |              |       |
|     | Panjang Besi 1 Luasan             | 14,15              | m    |             |            |                   |   |              |       |
|     | Total Luasan                      | 1,00               | Bh   |             |            |                   |   |              |       |
|     | Total Panjang Besi 1 Luasan       | 14,15              | m    |             |            |                   |   |              |       |
|     | Berat Total Besi Lapangan X 2     | 8,73               | Kg   |             |            |                   |   |              |       |
|     | Total Penulangan Luasan 12 Arah X | Tumpuan X 1        | +    | Tumpuan X 2 | +          | Lapangan X 1      | + | Lapangan X 1 | =     |
|     |                                   | 8,73               | +    | 8,73        | +          | 9,43              | + | 8,73         | 35,62 |
|     | Luasan 12 (Arah Y)                |                    |      |             |            |                   |   |              |       |
|     | Lx                                | 2,83               | m    |             |            |                   |   |              |       |
|     | Ly                                | 1,95               | m    |             |            |                   |   |              |       |
|     | 1. Tumpuan Y 1                    |                    |      |             |            |                   |   |              |       |
|     | Panjang (a)                       | 1,95               | m    |             |            |                   |   |              |       |
|     | Panjang Total                     | 1,95               | m    |             |            |                   |   |              |       |
|     | Jarak Tulangan                    | 0,20               | m    |             |            |                   |   |              |       |
|     | Ukuran Besi                       | 0,010              | m    |             |            |                   |   |              |       |
|     | Berat Tul                         | 0,617              | Kg/m |             |            |                   |   |              |       |
|     | jumlah besi                       | 8,00               | Bh   |             |            |                   |   |              |       |
|     | Panjang Besi 1 Luasan             | 15,60              | m    |             |            |                   |   |              |       |
|     | Total Luasan                      | 1,00               | Bh   |             |            |                   |   |              |       |
|     | Total Panjang Besi 1 Luasan       | 15,60              | m    |             |            |                   |   |              |       |
|     | Berat Total Besi Tumpuan Y 1      | 9,63               | Kg   |             |            |                   |   |              |       |
|     | 2. Tumpuan Y 2                    |                    |      |             |            |                   |   |              |       |
|     | Panjang (a)                       | 1,95               | m    |             |            |                   |   |              |       |
|     | Panjang Total                     | 1,95               | m    |             |            |                   |   |              |       |
|     | Jarak Tulangan                    | 0,20               | m    |             |            |                   |   |              |       |
|     | Ukuran Besi                       | 0,010              | m    |             |            |                   |   |              |       |
|     | Berat Tul                         | 0,617              | Kg/m |             |            |                   |   |              |       |
|     | jumlah besi                       | 8,00               | Bh   |             |            |                   |   |              |       |
|     | Panjang Besi 1 Luasan             | 15,60              | m    |             |            |                   |   |              |       |
|     | Total Luasan                      | 1,00               | Bh   |             |            |                   |   |              |       |
|     | Total Panjang Besi 1 Luasan       | 15,60              | m    |             |            |                   |   |              |       |
|     | Berat Total Besi Tumpuan Y 2      | 9,63               | Kg   |             |            |                   |   |              |       |
|     | 3. Lapangan Y 1                   |                    |      |             |            |                   |   |              |       |
|     | Panjang (a)                       | 0,98               | m    |             |            |                   |   |              |       |
|     | Panjang (b)                       | 0,49               | m    |             |            |                   |   |              |       |
|     |                                   | 0,49               | m    |             |            |                   |   |              |       |
|     | Panjang (c)                       | 0,11               | m    |             |            |                   |   |              |       |
|     |                                   | 0,11               | m    |             |            |                   |   |              |       |
|     | Panjang Total                     | 2,18               | m    |             |            |                   |   |              |       |
|     | Jarak Tulangan                    | 0,20               | m    |             |            |                   |   |              |       |
|     | Ukuran Besi                       | 0,010              | m    |             |            |                   |   |              |       |
|     | Berat Tul                         | 0,617              | Kg/m |             |            |                   |   |              |       |
|     | jumlah besi                       | 8,00               | Bh   |             |            |                   |   |              |       |
|     | Panjang Besi 1 Luasan             | 17,41              | m    |             |            |                   |   |              |       |
|     | Total Luasan                      | 1,00               | Bh   |             |            |                   |   |              |       |
|     | Total Panjang Besi 1 Luasan       | 17,41              | m    |             |            |                   |   |              |       |
|     | Berat Total Besi lapangan Y 1     | 10,74              | Kg   |             |            |                   |   |              |       |



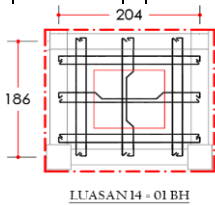
| NO. | URAIAN PEKERJAAN                  | URAIAN PERHITUNGAN |      |             |   |              |                   | VOLUME       | SAT. |       |
|-----|-----------------------------------|--------------------|------|-------------|---|--------------|-------------------|--------------|------|-------|
|     |                                   | Panjang (P)        |      | Lebar (L)   |   | Tinggi (T)   | Banyak Luasan (Q) |              |      | Total |
| 1   | 2                                 | 3                  |      | 4           |   | 5            | 6                 | 7            | 8    | 9     |
|     | 4. Lapangan Y 2                   |                    |      |             |   |              |                   |              |      |       |
|     | Panjang (a)                       | 1,95               | m    |             |   |              |                   |              |      |       |
|     | Panjang Total                     | 1,95               | m    |             |   |              |                   |              |      |       |
|     | Jarak Tulangan                    | 0,20               | m    |             |   |              |                   |              |      |       |
|     | Ukuran Besi                       | 0,010              | m    |             |   |              |                   |              |      |       |
|     | Berat Tul                         | 0,617              | Kg/m |             |   |              |                   |              |      |       |
|     | jumlah besi                       | 8,00               | Bh   |             |   |              |                   |              |      |       |
|     | Panjang Besi 1 Luasan             | 15,60              | m    |             |   |              |                   |              |      |       |
|     | Total Luasan                      | 1,00               | Bh   |             |   |              |                   |              |      |       |
|     | Total Panjang Besi 1 Luasan       | 15,60              | m    |             |   |              |                   |              |      |       |
|     | Berat Total Besi Lapangan Y 2     | 9,63               | Kg   |             |   |              |                   |              |      |       |
|     | Total Penulangan Luasan 12 Arah Y | Tumpuan Y 1        | +    | Tumpuan Y 2 | + | Lapangan Y 1 | +                 | Lapangan Y 2 | =    |       |
|     |                                   | 9,63               | +    | 9,63        | + | 10,74        | +                 | 9,63         | =    | 39,62 |
|     | Total Penulangan Luasan 12        | Arah X             | +    | Arah Y      |   |              |                   |              | =    | 75,24 |
|     |                                   | 35,62              | +    | 39,62       |   |              |                   |              |      |       |
|     | Luasan 13 (Arah X)                |                    |      |             |   |              |                   |              |      |       |
|     | Lx                                | 3,00               | m    |             |   |              |                   |              |      |       |
|     | Ly                                | 0,82               | m    |             |   |              |                   |              |      |       |
|     | 1. Tumpuan X 1                    |                    |      |             |   |              |                   |              |      |       |
|     | Panjang (a)                       | 3,00               | m    |             |   |              |                   |              |      |       |
|     | Panjang Total                     | 3,00               | m    |             |   |              |                   |              |      |       |
|     | Jarak Tulangan                    | 0,20               | m    |             |   |              |                   |              |      |       |
|     | Ukuran Besi                       | 0,010              | m    |             |   |              |                   |              |      |       |
|     | Berat Tul                         | 0,617              | Kg/m |             |   |              |                   |              |      |       |
|     | jumlah besi                       | 3,00               | Bh   |             |   |              |                   |              |      |       |
|     | Panjang Besi 1 Luasan             | 9,00               | m    |             |   |              |                   |              |      |       |
|     | Total Luasan                      | 1,00               | Bh   |             |   |              |                   |              |      |       |
|     | Total Panjang Besi 1 Luasan       | 9,00               | m    |             |   |              |                   |              |      |       |
|     | Berat Total Besi Tumpuan X 1      | 5,55               | Kg   |             |   |              |                   |              |      |       |
|     | 2. Tumpuan X 2                    |                    |      |             |   |              |                   |              |      |       |
|     | Panjang (a)                       | 3,00               | m    |             |   |              |                   |              |      |       |
|     | Panjang Total                     | 3,00               | m    |             |   |              |                   |              |      |       |
|     | Jarak Tulangan                    | 0,20               | m    |             |   |              |                   |              |      |       |
|     | Ukuran Besi                       | 0,010              | m    |             |   |              |                   |              |      |       |
|     | Berat Tul                         | 0,617              | Kg/m |             |   |              |                   |              |      |       |
|     | jumlah besi                       | 3,00               | Bh   |             |   |              |                   |              |      |       |
|     | Panjang Besi 1 Luasan             | 9,00               | m    |             |   |              |                   |              |      |       |
|     | Total Luasan                      | 1,00               | Bh   |             |   |              |                   |              |      |       |
|     | Total Panjang Besi 1 Luasan       | 9,00               | m    |             |   |              |                   |              |      |       |
|     | Berat Total Besi Tumpuan X 2      | 5,55               | Kg   |             |   |              |                   |              |      |       |
|     | 3. Lapangan X 1                   |                    |      |             |   |              |                   |              |      |       |
|     | Panjang (a)                       | 1,50               | m    |             |   |              |                   |              |      |       |
|     | Panjang (b)                       | 0,75               | m    |             |   |              |                   |              |      |       |
|     | Panjang (c)                       | 0,75               | m    |             |   |              |                   |              |      |       |
|     | Panjang (d)                       | 0,11               | m    |             |   |              |                   |              |      |       |
|     | Panjang (e)                       | 0,11               | m    |             |   |              |                   |              |      |       |
|     | Panjang Total                     | 3,23               | m    |             |   |              |                   |              |      |       |
|     | Jarak Tulangan                    | 0,20               | m    |             |   |              |                   |              |      |       |
|     | Ukuran Besi                       | 0,010              | m    |             |   |              |                   |              |      |       |
|     | Berat Tul                         | 0,617              | Kg/m |             |   |              |                   |              |      |       |
|     | jumlah besi                       | 3,00               | Bh   |             |   |              |                   |              |      |       |
|     | Panjang Besi 1 Luasan             | 9,68               | m    |             |   |              |                   |              |      |       |
|     | Total Luasan                      | 1,00               | Bh   |             |   |              |                   |              |      |       |
|     | Total Panjang Besi 1 Luasan       | 9,68               | m    |             |   |              |                   |              |      |       |
|     | Berat Total Besi lapangan X 1     | 5,97               | Kg   |             |   |              |                   |              |      |       |
|     | 4. Lapangan X 2                   |                    |      |             |   |              |                   |              |      |       |
|     | Panjang (a)                       | 3,00               | m    |             |   |              |                   |              |      |       |
|     | Panjang Total                     | 3,00               | m    |             |   |              |                   |              |      |       |
|     | Jarak Tulangan                    | 0,20               | m    |             |   |              |                   |              |      |       |
|     | Ukuran Besi                       | 0,010              | m    |             |   |              |                   |              |      |       |
|     | Berat Tul                         | 0,617              | Kg/m |             |   |              |                   |              |      |       |
|     | jumlah besi                       | 3,00               | Bh   |             |   |              |                   |              |      |       |
|     | Panjang Besi 1 Luasan             | 9,00               | m    |             |   |              |                   |              |      |       |
|     | Total Luasan                      | 1,00               | Bh   |             |   |              |                   |              |      |       |
|     | Total Panjang Besi 1 Luasan       | 9,00               | m    |             |   |              |                   |              |      |       |
|     | Berat Total Besi Lapangan X 2     | 5,55               | Kg   |             |   |              |                   |              |      |       |
|     | Total Penulangan Luasan 13 Arah X | Tumpuan X 1        | +    | Tumpuan X 2 | + | Lapangan X 1 | +                 | Lapangan X 1 | =    |       |
|     |                                   | 5,55               | +    | 5,55        | + | 5,97         | +                 | 5,55         | =    | 22,63 |



| NO. | URAIAN PEKERJAAN                  | URAIAN PERHITUNGAN |           |             |                   |              | VOLUME | SAT.         |
|-----|-----------------------------------|--------------------|-----------|-------------|-------------------|--------------|--------|--------------|
|     |                                   | Panjang (P)        | Lebar (L) | Tinggi (T)  | Banyak Luasan (Q) | Total        |        |              |
| 1   | 2                                 | 3                  | 4         | 5           | 6                 | 7            | 8      | 9            |
|     | Luasan 13 (Arah Y)                |                    |           |             |                   |              |        |              |
|     | Lx                                | 3,00               | m         |             |                   |              |        |              |
|     | Ly                                | 0,82               | m         |             |                   |              |        |              |
|     | 1. Tumpuan Y 1                    |                    |           |             |                   |              |        |              |
|     | Panjang (a)                       | 0,82               | m         |             |                   |              |        |              |
|     | Panjang Total                     | 0,82               | m         |             |                   |              |        |              |
|     | Jarak Tulangan                    | 0,20               | m         |             |                   |              |        |              |
|     | Ukuran Besi                       | 0,010              | m         |             |                   |              |        |              |
|     | Berat Tul                         | 0,617              | Kg/m      |             |                   |              |        |              |
|     | jumlah besi                       | 8,00               | Bh        |             |                   |              |        |              |
|     | Panjang Besi 1 Luasan             | 6,56               | m         |             |                   |              |        |              |
|     | Total Luasan                      | 1,00               | Bh        |             |                   |              |        |              |
|     | Total Panjang Besi 1 Luasan       | 6,56               | m         |             |                   |              |        |              |
|     | Berat Total Besi Tumpuan Y 1      | 4,05               | Kg        |             |                   |              |        |              |
|     | 2. Tumpuan Y 2                    |                    |           |             |                   |              |        |              |
|     | Panjang (a)                       | 0,82               | m         |             |                   |              |        |              |
|     | Panjang Total                     | 0,82               | m         |             |                   |              |        |              |
|     | Jarak Tulangan                    | 0,20               | m         |             |                   |              |        |              |
|     | Ukuran Besi                       | 0,010              | m         |             |                   |              |        |              |
|     | Berat Tul                         | 0,617              | Kg/m      |             |                   |              |        |              |
|     | jumlah besi                       | 8,00               | Bh        |             |                   |              |        |              |
|     | Panjang Besi 1 Luasan             | 6,56               | m         |             |                   |              |        |              |
|     | Total Luasan                      | 1,00               | Bh        |             |                   |              |        |              |
|     | Total Panjang Besi 1 Luasan       | 6,56               | m         |             |                   |              |        |              |
|     | Berat Total Besi Tumpuan Y 2      | 4,05               | Kg        |             |                   |              |        |              |
|     | 3. Lapangan Y 1                   |                    |           |             |                   |              |        |              |
|     | Panjang (a)                       | 0,41               | m         |             |                   |              |        |              |
|     | Panjang (b)                       | 0,21               | m         |             |                   |              |        |              |
|     |                                   | 0,21               | m         |             |                   |              |        |              |
|     | Panjang (c)                       | 0,11               | m         |             |                   |              |        |              |
|     |                                   | 0,11               | m         |             |                   |              |        |              |
|     | Panjang Total                     | 1,05               | m         |             |                   |              |        |              |
|     | Jarak Tulangan                    | 0,20               | m         |             |                   |              |        |              |
|     | Ukuran Besi                       | 0,010              | m         |             |                   |              |        |              |
|     | Berat Tul                         | 0,617              | Kg/m      |             |                   |              |        |              |
|     | jumlah besi                       | 8,00               | Bh        |             |                   |              |        |              |
|     | Panjang Besi 1 Luasan             | 8,37               | m         |             |                   |              |        |              |
|     | Total Luasan                      | 1,00               | Bh        |             |                   |              |        |              |
|     | Total Panjang Besi 1 Luasan       | 8,37               | m         |             |                   |              |        |              |
|     | Berat Total Besi lapangan Y 1     | 5,16               | Kg        |             |                   |              |        |              |
|     | 4. Lapangan Y 2                   |                    |           |             |                   |              |        |              |
|     | Panjang (a)                       | 0,82               | m         |             |                   |              |        |              |
|     | Panjang Total                     | 0,82               | m         |             |                   |              |        |              |
|     | Jarak Tulangan                    | 0,20               | m         |             |                   |              |        |              |
|     | Ukuran Besi                       | 0,010              | m         |             |                   |              |        |              |
|     | Berat Tul                         | 0,617              | Kg/m      |             |                   |              |        |              |
|     | jumlah besi                       | 8,00               | Bh        |             |                   |              |        |              |
|     | Panjang Besi 1 Luasan             | 6,56               | m         |             |                   |              |        |              |
|     | Total Luasan                      | 1,00               | Bh        |             |                   |              |        |              |
|     | Total Panjang Besi 1 Luasan       | 6,56               | m         |             |                   |              |        |              |
|     | Berat Total Besi Lapangan Y 2     | 4,05               | Kg        |             |                   |              |        |              |
|     | Total Penulangan Luasan 13 Arah Y | Tumpuan Y 1        | +         | Tumpuan Y 2 | +                 | Lapangan Y 1 | +      | Lapangan Y 2 |
|     |                                   | 4,05               | +         | 4,05        | +                 | 5,16         | +      | 4,05         |
|     |                                   |                    |           |             |                   |              | =      | 17,31        |
|     | Total Penulangan Luasan 13        | Arah X             | +         | Arah Y      |                   |              |        |              |
|     |                                   | 22,63              | +         | 17,31       |                   |              | =      | 39,94        |
|     | Luasan 14 (Arah X)                |                    |           |             |                   |              |        |              |
|     | Lx                                | 2,04               | m         |             |                   |              |        |              |
|     | Ly                                | 1,86               | m         |             |                   |              |        |              |
|     | 1. Tumpuan X 1                    |                    |           |             |                   |              |        |              |
|     | Panjang (a)                       | 2,04               | m         |             |                   |              |        |              |
|     | Panjang Total                     | 2,04               | m         |             |                   |              |        |              |
|     | Jarak Tulangan                    | 0,20               | m         |             |                   |              |        |              |
|     | Ukuran Besi                       | 0,010              | m         |             |                   |              |        |              |
|     | Berat Tul                         | 0,617              | Kg/m      |             |                   |              |        |              |
|     | jumlah besi                       | 5,00               | Bh        |             |                   |              |        |              |
|     | Panjang Besi 1 Luasan             | 10,20              | m         |             |                   |              |        |              |
|     | Total Luasan                      | 1,00               | Bh        |             |                   |              |        |              |
|     | Total Panjang Besi 1 Luasan       | 10,20              | m         |             |                   |              |        |              |
|     | Berat Total Besi Tumpuan X 1      | 6,29               | Kg        |             |                   |              |        |              |

| NO. | URAIAN PEKERJAAN                  | URAIAN PERHITUNGAN |      |             |            |                   | VOLUME | SAT.         |       |
|-----|-----------------------------------|--------------------|------|-------------|------------|-------------------|--------|--------------|-------|
|     |                                   | Panjang (P)        |      | Lebar (L)   | Tinggi (T) | Banyak Luasan (Q) |        |              | Total |
| 1   | 2                                 | 3                  |      | 4           | 5          | 6                 | 7      | 8            | 9     |
|     | 2. Tumpuan X 2                    |                    |      |             |            |                   |        |              |       |
|     | Panjang (a)                       | 2,04               | m    |             |            |                   |        |              |       |
|     | Panjang Total                     | 2,04               | m    |             |            |                   |        |              |       |
|     | Jarak Tulangan                    | 0,20               | m    |             |            |                   |        |              |       |
|     | Ukuran Besi                       | 0,010              | m    |             |            |                   |        |              |       |
|     | Berat Tul                         | 0,617              | Kg/m |             |            |                   |        |              |       |
|     | jumlah besi                       | 5,00               | Bh   |             |            |                   |        |              |       |
|     | Panjang Besi 1 Luasan             | 10,20              | m    |             |            |                   |        |              |       |
|     | Total Luasan                      | 1,00               | Bh   |             |            |                   |        |              |       |
|     | Total Panjang Besi 1 Luasan       | 10,20              | m    |             |            |                   |        |              |       |
|     | Berat Total Besi Tumpuan X 2      | 6,29               | Kg   |             |            |                   |        |              |       |
|     | 3. Lapangan X 1                   |                    |      |             |            |                   |        |              |       |
|     | Panjang (a)                       | 1,02               | m    |             |            |                   |        |              |       |
|     | Panjang (b)                       | 0,51               | m    |             |            |                   |        |              |       |
|     |                                   | 0,51               | m    |             |            |                   |        |              |       |
|     | Panjang (c)                       | 0,11               | m    |             |            |                   |        |              |       |
|     |                                   | 0,11               | m    |             |            |                   |        |              |       |
|     | Panjang Total                     | 2,27               | m    |             |            |                   |        |              |       |
|     | Jarak Tulangan                    | 0,20               | m    |             |            |                   |        |              |       |
|     | Ukuran Besi                       | 0,010              | m    |             |            |                   |        |              |       |
|     | Berat Tul                         | 0,617              | Kg/m |             |            |                   |        |              |       |
|     | jumlah besi                       | 5,00               | Bh   |             |            |                   |        |              |       |
|     | Panjang Besi 1 Luasan             | 11,33              | m    |             |            |                   |        |              |       |
|     | Total Luasan                      | 1,00               | Bh   |             |            |                   |        |              |       |
|     | Total Panjang Besi 1 Luasan       | 11,33              | m    |             |            |                   |        |              |       |
|     | Berat Total Besi lapangan X 1     | 6,99               | Kg   |             |            |                   |        |              |       |
|     | 4. Lapangan X 2                   |                    |      |             |            |                   |        |              |       |
|     | Panjang (a)                       | 2,04               | m    |             |            |                   |        |              |       |
|     | Panjang Total                     | 2,04               | m    |             |            |                   |        |              |       |
|     | Jarak Tulangan                    | 0,20               | m    |             |            |                   |        |              |       |
|     | Ukuran Besi                       | 0,010              | m    |             |            |                   |        |              |       |
|     | Berat Tul                         | 0,617              | Kg/m |             |            |                   |        |              |       |
|     | jumlah besi                       | 5,00               | Bh   |             |            |                   |        |              |       |
|     | Panjang Besi 1 Luasan             | 10,20              | m    |             |            |                   |        |              |       |
|     | Total Luasan                      | 1,00               | Bh   |             |            |                   |        |              |       |
|     | Total Panjang Besi 1 Luasan       | 10,20              | m    |             |            |                   |        |              |       |
|     | Berat Total Besi Lapangan X 2     | 6,29               | Kg   |             |            |                   |        |              |       |
|     | Total Penulangan Luasan 14 Arah X | Tumpuan X 1        | +    | Tumpuan X 2 | +          | Lapangan X 1      | +      | Lapangan X 1 | =     |
|     |                                   | 6,29               | +    | 6,29        | +          | 6,99              | +      | 6,29         | 25,87 |
|     | Luasan 14 (Arah Y)                |                    |      |             |            |                   |        |              |       |
|     | Lx                                | 2,04               | m    |             |            |                   |        |              |       |
|     | Ly                                | 1,86               | m    |             |            |                   |        |              |       |
|     | 1. Tumpuan Y 1                    |                    |      |             |            |                   |        |              |       |
|     | Panjang (a)                       | 1,86               | m    |             |            |                   |        |              |       |
|     | Panjang Total                     | 1,86               | m    |             |            |                   |        |              |       |
|     | Jarak Tulangan                    | 0,20               | m    |             |            |                   |        |              |       |
|     | Ukuran Besi                       | 0,010              | m    |             |            |                   |        |              |       |
|     | Berat Tul                         | 0,617              | Kg/m |             |            |                   |        |              |       |
|     | jumlah besi                       | 6,00               | Bh   |             |            |                   |        |              |       |
|     | Panjang Besi 1 Luasan             | 11,16              | m    |             |            |                   |        |              |       |
|     | Total Luasan                      | 1,00               | Bh   |             |            |                   |        |              |       |
|     | Total Panjang Besi 1 Luasan       | 11,16              | m    |             |            |                   |        |              |       |
|     | Berat Total Besi Tumpuan Y 1      | 6,89               | Kg   |             |            |                   |        |              |       |
|     | 2. Tumpuan Y 2                    |                    |      |             |            |                   |        |              |       |
|     | Panjang (a)                       | 1,86               | m    |             |            |                   |        |              |       |
|     | Panjang Total                     | 1,86               | m    |             |            |                   |        |              |       |
|     | Jarak Tulangan                    | 0,20               | m    |             |            |                   |        |              |       |
|     | Ukuran Besi                       | 0,010              | m    |             |            |                   |        |              |       |
|     | Berat Tul                         | 0,617              | Kg/m |             |            |                   |        |              |       |
|     | jumlah besi                       | 6,00               | Bh   |             |            |                   |        |              |       |
|     | Panjang Besi 1 Luasan             | 11,16              | m    |             |            |                   |        |              |       |
|     | Total Luasan                      | 1,00               | Bh   |             |            |                   |        |              |       |
|     | Total Panjang Besi 1 Luasan       | 11,16              | m    |             |            |                   |        |              |       |
|     | Berat Total Besi Tumpuan Y 2      | 6,89               | Kg   |             |            |                   |        |              |       |

LUASAN 14 = 01 BH



| NO.                           | URAIAN PEKERJAAN                  | URAIAN PERHITUNGAN |           |             |                   |              | VOLUME | SAT.         |       |
|-------------------------------|-----------------------------------|--------------------|-----------|-------------|-------------------|--------------|--------|--------------|-------|
|                               |                                   | Panjang (P)        | Lebar (L) | Tinggi (T)  | Banyak Luasan (Q) | Total        |        |              |       |
| 1                             | 2                                 | 3                  | 4         | 5           | 6                 | 7            | 8      | 9            |       |
|                               | 3. Lapangan Y 1                   |                    |           |             |                   |              |        |              |       |
|                               | Panjang (a)                       | 0,93               | m         |             |                   |              |        |              |       |
|                               | Panjang (b)                       | 0,47               | m         |             |                   |              |        |              |       |
|                               |                                   | 0,47               | m         |             |                   |              |        |              |       |
|                               | Panjang (c)                       | 0,11               | m         |             |                   |              |        |              |       |
|                               |                                   | 0,11               | m         |             |                   |              |        |              |       |
|                               | Panjang Total                     | 2,09               | m         |             |                   |              |        |              |       |
|                               | Jarak Tulangan                    | 0,20               | m         |             |                   |              |        |              |       |
|                               | Ukuran Besi                       | 0,010              | m         |             |                   |              |        |              |       |
|                               | Berat Tul                         | 0,617              | Kg/m      |             |                   |              |        |              |       |
|                               | jumlah besi                       | 6,00               | Bh        |             |                   |              |        |              |       |
|                               | Panjang Besi 1 Luasan             | 12,52              | m         |             |                   |              |        |              |       |
|                               | Total Luasan                      | 1,00               | Bh        |             |                   |              |        |              |       |
|                               | Total Panjang Besi 1 Luasan       | 12,52              | m         |             |                   |              |        |              |       |
|                               | Berat Total Besi lapangan Y 1     | 7,72               | Kg        |             |                   |              |        |              |       |
|                               | 4. Lapangan Y 2                   |                    |           |             |                   |              |        |              |       |
|                               | Panjang (a)                       | 1,86               | m         |             |                   |              |        |              |       |
|                               | Panjang Total                     | 1,86               | m         |             |                   |              |        |              |       |
|                               | Jarak Tulangan                    | 0,20               | m         |             |                   |              |        |              |       |
|                               | Ukuran Besi                       | 0,010              | m         |             |                   |              |        |              |       |
|                               | Berat Tul                         | 0,617              | Kg/m      |             |                   |              |        |              |       |
|                               | jumlah besi                       | 6,00               | Bh        |             |                   |              |        |              |       |
|                               | Panjang Besi 1 Luasan             | 11,16              | m         |             |                   |              |        |              |       |
|                               | Total Luasan                      | 1,00               | Bh        |             |                   |              |        |              |       |
|                               | Total Panjang Besi 1 Luasan       | 11,16              | m         |             |                   |              |        |              |       |
|                               | Berat Total Besi Lapangan Y 2     | 6,89               | Kg        |             |                   |              |        |              |       |
|                               | Total Penulangan Luasan 14 Arah Y | Tumpuan Y 1        | +         | Tumpuan Y 2 | +                 | Lapangan Y 1 | +      | Lapangan Y 2 |       |
|                               |                                   | 6,89               | +         | 6,89        | +                 | 7,72         | +      | 6,89         | =     |
|                               |                                   |                    |           |             |                   |              |        |              | 28,38 |
|                               | Total Penulangan Luasan 14        | Arah X             | +         | Arah Y      |                   |              |        |              |       |
|                               |                                   | 25,87              | +         | 28,38       |                   |              |        |              | =     |
|                               |                                   |                    |           |             |                   |              |        |              | 54,25 |
|                               | Luasan 15 (Arah X)                |                    |           |             |                   |              |        |              |       |
|                               | Lx                                | 2,04               | m         |             |                   |              |        |              |       |
|                               | Ly                                | 1,38               | m         |             |                   |              |        |              |       |
|                               | 1. Tumpuan X 1                    |                    |           |             |                   |              |        |              |       |
|                               | Panjang (a)                       | 2,04               | m         |             |                   |              |        |              |       |
|                               | Panjang Total                     | 2,04               | m         |             |                   |              |        |              |       |
|                               | Jarak Tulangan                    | 0,20               | m         |             |                   |              |        |              |       |
|                               | Ukuran Besi                       | 0,010              | m         |             |                   |              |        |              |       |
|                               | Berat Tul                         | 0,617              | Kg/m      |             |                   |              |        |              |       |
|                               | jumlah besi                       | 4,00               | Bh        |             |                   |              |        |              |       |
|                               | Panjang Besi 1 Luasan             | 8,16               | m         |             |                   |              |        |              |       |
|                               | Total Luasan                      | 1,00               | Bh        |             |                   |              |        |              |       |
|                               | Total Panjang Besi 1 Luasan       | 8,16               | m         |             |                   |              |        |              |       |
|                               | Berat Total Besi Tumpuan X 1      | 5,03               | Kg        |             |                   |              |        |              |       |
|                               | 2. Tumpuan X 2                    |                    |           |             |                   |              |        |              |       |
|                               | Panjang (a)                       | 2,04               | m         |             |                   |              |        |              |       |
|                               | Panjang Total                     | 2,04               | m         |             |                   |              |        |              |       |
|                               | Jarak Tulangan                    | 0,20               | m         |             |                   |              |        |              |       |
|                               | Ukuran Besi                       | 0,010              | m         |             |                   |              |        |              |       |
|                               | Berat Tul                         | 0,617              | Kg/m      |             |                   |              |        |              |       |
|                               | jumlah besi                       | 4,00               | Bh        |             |                   |              |        |              |       |
|                               | Panjang Besi 1 Luasan             | 8,16               | m         |             |                   |              |        |              |       |
|                               | Total Luasan                      | 1,00               | Bh        |             |                   |              |        |              |       |
|                               | Total Panjang Besi 1 Luasan       | 8,16               | m         |             |                   |              |        |              |       |
|                               | Berat Total Besi Tumpuan X 2      | 5,03               | Kg        |             |                   |              |        |              |       |
|                               | 3. Lapangan X 1                   |                    |           |             |                   |              |        |              |       |
|                               | Panjang (a)                       | 1,02               | m         |             |                   |              |        |              |       |
|                               | Panjang (b)                       | 0,51               | m         |             |                   |              |        |              |       |
|                               |                                   | 0,51               | m         |             |                   |              |        |              |       |
|                               | Panjang (c)                       | 0,11               | m         |             |                   |              |        |              |       |
|                               |                                   | 0,11               | m         |             |                   |              |        |              |       |
|                               | Panjang Total                     | 2,27               | m         |             |                   |              |        |              |       |
|                               | Jarak Tulangan                    | 0,20               | m         |             |                   |              |        |              |       |
|                               | Ukuran Besi                       | 0,010              | m         |             |                   |              |        |              |       |
|                               | Berat Tul                         | 0,617              | Kg/m      |             |                   |              |        |              |       |
|                               | jumlah besi                       | 4,00               | Bh        |             |                   |              |        |              |       |
|                               | Panjang Besi 1 Luasan             | 9,07               | m         |             |                   |              |        |              |       |
|                               | Total Luasan                      | 1,00               | Bh        |             |                   |              |        |              |       |
|                               | Total Panjang Besi 1 Luasan       | 9,07               | m         |             |                   |              |        |              |       |
| Berat Total Besi lapangan X 1 | 5,59                              | Kg                 |           |             |                   |              |        |              |       |

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LUASAN 15 = 01 BH

| NO. | URAIAN PEKERJAAN                  | URAIAN PERHITUNGAN |      |             |   |              |                   | VOLUME       | SAT. |       |
|-----|-----------------------------------|--------------------|------|-------------|---|--------------|-------------------|--------------|------|-------|
|     |                                   | Panjang (P)        |      | Lebar (L)   |   | Tinggi (T)   | Banyak Luasan (Q) |              |      | Total |
| 1   | 2                                 | 3                  |      | 4           |   | 5            | 6                 | 7            | 8    | 9     |
|     | 4. Lapangan X 2                   |                    |      |             |   |              |                   |              |      |       |
|     | Panjang (a)                       | 2,04               | m    |             |   |              |                   |              |      |       |
|     | Panjang Total                     | 2,04               | m    |             |   |              |                   |              |      |       |
|     | Jarak Tulangan                    | 0,20               | m    |             |   |              |                   |              |      |       |
|     | Ukuran Besi                       | 0,010              | m    |             |   |              |                   |              |      |       |
|     | Berat Tul                         | 0,617              | Kg/m |             |   |              |                   |              |      |       |
|     | jumlah besi                       | 4,00               | Bh   |             |   |              |                   |              |      |       |
|     | Panjang Besi 1 Luasan             | 8,16               | m    |             |   |              |                   |              |      |       |
|     | Total Luasan                      | 1,00               | Bh   |             |   |              |                   |              |      |       |
|     | Total Panjang Besi 1 Luasan       | 8,16               | m    |             |   |              |                   |              |      |       |
|     | Berat Total Besi Lapangan X 2     | 5,03               | Kg   |             |   |              |                   |              |      |       |
|     | Total Penulangan Luasan 15 Arah X | Tumpuan X 1        | +    | Tumpuan X 2 | + | Lapangan X 1 | +                 | Lapangan X 1 | =    | 20,70 |
|     |                                   | 5,03               | +    | 5,03        | + | 5,59         | +                 | 5,03         |      |       |
|     | Luasan 15 (Arah Y)                |                    |      |             |   |              |                   |              |      |       |
|     | Lx                                | 2,04               | m    |             |   |              |                   |              |      |       |
|     | Ly                                | 1,38               | m    |             |   |              |                   |              |      |       |
|     | 1. Tumpuan Y 1                    |                    |      |             |   |              |                   |              |      |       |
|     | Panjang (a)                       | 1,38               | m    |             |   |              |                   |              |      |       |
|     | Panjang Total                     | 1,38               | m    |             |   |              |                   |              |      |       |
|     | Jarak Tulangan                    | 0,20               | m    |             |   |              |                   |              |      |       |
|     | Ukuran Besi                       | 0,010              | m    |             |   |              |                   |              |      |       |
|     | Berat Tul                         | 0,617              | Kg/m |             |   |              |                   |              |      |       |
|     | jumlah besi                       | 6,00               | Bh   |             |   |              |                   |              |      |       |
|     | Panjang Besi 1 Luasan             | 8,28               | m    |             |   |              |                   |              |      |       |
|     | Total Luasan                      | 1,00               | Bh   |             |   |              |                   |              |      |       |
|     | Total Panjang Besi 1 Luasan       | 8,28               | m    |             |   |              |                   |              |      |       |
|     | Berat Total Besi Tumpuan Y 1      | 5,11               | Kg   |             |   |              |                   |              |      |       |
|     | 2. Tumpuan Y 2                    |                    |      |             |   |              |                   |              |      |       |
|     | Panjang (a)                       | 1,38               | m    |             |   |              |                   |              |      |       |
|     | Panjang Total                     | 1,38               | m    |             |   |              |                   |              |      |       |
|     | Jarak Tulangan                    | 0,20               | m    |             |   |              |                   |              |      |       |
|     | Ukuran Besi                       | 0,010              | m    |             |   |              |                   |              |      |       |
|     | Berat Tul                         | 0,617              | Kg/m |             |   |              |                   |              |      |       |
|     | jumlah besi                       | 6,00               | Bh   |             |   |              |                   |              |      |       |
|     | Panjang Besi 1 Luasan             | 8,28               | m    |             |   |              |                   |              |      |       |
|     | Total Luasan                      | 1,00               | Bh   |             |   |              |                   |              |      |       |
|     | Total Panjang Besi 1 Luasan       | 8,28               | m    |             |   |              |                   |              |      |       |
|     | Berat Total Besi Tumpuan Y 2      | 5,11               | Kg   |             |   |              |                   |              |      |       |
|     | 3. Lapangan Y 1                   |                    |      |             |   |              |                   |              |      |       |
|     | Panjang (a)                       | 0,69               | m    |             |   |              |                   |              |      |       |
|     | Panjang (b)                       | 0,35               | m    |             |   |              |                   |              |      |       |
|     | Panjang (c)                       | 0,35               | m    |             |   |              |                   |              |      |       |
|     | Panjang (c)                       | 0,11               | m    |             |   |              |                   |              |      |       |
|     | Panjang Total                     | 1,61               | m    |             |   |              |                   |              |      |       |
|     | Jarak Tulangan                    | 0,20               | m    |             |   |              |                   |              |      |       |
|     | Ukuran Besi                       | 0,010              | m    |             |   |              |                   |              |      |       |
|     | Berat Tul                         | 0,617              | Kg/m |             |   |              |                   |              |      |       |
|     | jumlah besi                       | 6,00               | Bh   |             |   |              |                   |              |      |       |
|     | Panjang Besi 1 Luasan             | 9,64               | m    |             |   |              |                   |              |      |       |
|     | Total Luasan                      | 1,00               | Bh   |             |   |              |                   |              |      |       |
|     | Total Panjang Besi 1 Luasan       | 9,64               | m    |             |   |              |                   |              |      |       |
|     | Berat Total Besi lapangan Y 1     | 5,95               | Kg   |             |   |              |                   |              |      |       |
|     | 4. Lapangan Y 2                   |                    |      |             |   |              |                   |              |      |       |
|     | Panjang (a)                       | 1,38               | m    |             |   |              |                   |              |      |       |
|     | Panjang Total                     | 1,38               | m    |             |   |              |                   |              |      |       |
|     | Jarak Tulangan                    | 0,20               | m    |             |   |              |                   |              |      |       |
|     | Ukuran Besi                       | 0,010              | m    |             |   |              |                   |              |      |       |
|     | Berat Tul                         | 0,617              | Kg/m |             |   |              |                   |              |      |       |
|     | jumlah besi                       | 6,00               | Bh   |             |   |              |                   |              |      |       |
|     | Panjang Besi 1 Luasan             | 8,28               | m    |             |   |              |                   |              |      |       |
|     | Total Luasan                      | 1,00               | Bh   |             |   |              |                   |              |      |       |
|     | Total Panjang Besi 1 Luasan       | 8,28               | m    |             |   |              |                   |              |      |       |
|     | Berat Total Besi Lapangan Y 2     | 5,11               | Kg   |             |   |              |                   |              |      |       |
|     | Total Penulangan Luasan 15 Arah Y | Tumpuan Y 1        | +    | Tumpuan Y 2 | + | Lapangan Y 1 | +                 | Lapangan Y 2 | =    | 21,27 |
|     |                                   | 5,11               | +    | 5,11        | + | 5,95         | +                 | 5,11         |      |       |
|     | Total Penulangan Luasan 15        | Arah X             | +    | Arah Y      |   |              |                   |              |      |       |
|     |                                   | 20,70              | +    | 21,27       |   |              |                   |              | =    | 41,97 |

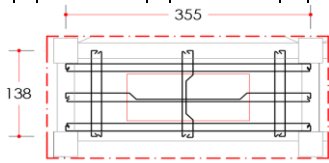
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LUASAN 15 - 01 BH

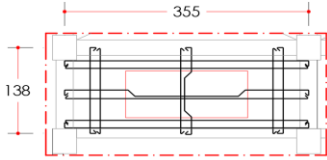
| NO. | URAIAN PEKERJAAN                  | URAIAN PERHITUNGAN |           |             |                   |              | VOLUME | SAT.         |
|-----|-----------------------------------|--------------------|-----------|-------------|-------------------|--------------|--------|--------------|
|     |                                   | Panjang (P)        | Lebar (L) | Tinggi (T)  | Banyak Luasan (Q) | Total        |        |              |
| 1   | 2                                 | 3                  | 4         | 5           | 6                 | 7            | 8      | 9            |
|     | Luasan 16 (Arah X)                |                    |           |             |                   |              |        |              |
|     | Lx                                | 3,48               | m         |             |                   |              |        |              |
|     | Ly                                | 1,38               | m         |             |                   |              |        |              |
|     | 1. Tumpuan X 1                    |                    |           |             |                   |              |        |              |
|     | Panjang (a)                       | 3,48               | m         |             |                   |              |        |              |
|     | Panjang Total                     | 3,48               | m         |             |                   |              |        |              |
|     | Jarak Tulangan                    | 0,20               | m         |             |                   |              |        |              |
|     | Ukuran Besi                       | 0,010              | m         |             |                   |              |        |              |
|     | Berat Tul                         | 0,617              | Kg/m      |             |                   |              |        |              |
|     | jumlah besi                       | 4,00               | Bh        |             |                   |              |        |              |
|     | Panjang Besi 1 Luasan             | 13,92              | m         |             |                   |              |        |              |
|     | Total Luasan                      | 1,00               | Bh        |             |                   |              |        |              |
|     | Total Panjang Besi 1 Luasan       | 13,92              | m         |             |                   |              |        |              |
|     | Berat Total Besi Tumpuan X 1      | 8,59               | Kg        |             |                   |              |        |              |
|     | 2. Tumpuan X 2                    |                    |           |             |                   |              |        |              |
|     | Panjang (a)                       | 3,48               | m         |             |                   |              |        |              |
|     | Panjang Total                     | 3,48               | m         |             |                   |              |        |              |
|     | Jarak Tulangan                    | 0,20               | m         |             |                   |              |        |              |
|     | Ukuran Besi                       | 0,010              | m         |             |                   |              |        |              |
|     | Berat Tul                         | 0,617              | Kg/m      |             |                   |              |        |              |
|     | jumlah besi                       | 4,00               | Bh        |             |                   |              |        |              |
|     | Panjang Besi 1 Luasan             | 13,92              | m         |             |                   |              |        |              |
|     | Total Luasan                      | 1,00               | Bh        |             |                   |              |        |              |
|     | Total Panjang Besi 1 Luasan       | 13,92              | m         |             |                   |              |        |              |
|     | Berat Total Besi Tumpuan X 2      | 8,59               | Kg        |             |                   |              |        |              |
|     | 3. Lapangan X 1                   |                    |           |             |                   |              |        |              |
|     | Panjang (a)                       | 1,74               | m         |             |                   |              |        |              |
|     | Panjang (b)                       | 0,87               | m         |             |                   |              |        |              |
|     |                                   | 0,87               | m         |             |                   |              |        |              |
|     | Panjang (c)                       | 0,11               | m         |             |                   |              |        |              |
|     |                                   | 0,11               | m         |             |                   |              |        |              |
|     | Panjang Total                     | 3,71               | m         |             |                   |              |        |              |
|     | Jarak Tulangan                    | 0,20               | m         |             |                   |              |        |              |
|     | Ukuran Besi                       | 0,010              | m         |             |                   |              |        |              |
|     | Berat Tul                         | 0,617              | Kg/m      |             |                   |              |        |              |
|     | jumlah besi                       | 4,00               | Bh        |             |                   |              |        |              |
|     | Panjang Besi 1 Luasan             | 14,83              | m         |             |                   |              |        |              |
|     | Total Luasan                      | 1,00               | Bh        |             |                   |              |        |              |
|     | Total Panjang Besi 1 Luasan       | 14,83              | m         |             |                   |              |        |              |
|     | Berat Total Besi lapangan X 1     | 9,15               | Kg        |             |                   |              |        |              |
|     | 4. Lapangan X 2                   |                    |           |             |                   |              |        |              |
|     | Panjang (a)                       | 3,48               | m         |             |                   |              |        |              |
|     | Panjang Total                     | 3,48               | m         |             |                   |              |        |              |
|     | Jarak Tulangan                    | 0,20               | m         |             |                   |              |        |              |
|     | Ukuran Besi                       | 0,010              | m         |             |                   |              |        |              |
|     | Berat Tul                         | 0,617              | Kg/m      |             |                   |              |        |              |
|     | jumlah besi                       | 4,00               | Bh        |             |                   |              |        |              |
|     | Panjang Besi 1 Luasan             | 13,92              | m         |             |                   |              |        |              |
|     | Total Luasan                      | 1,00               | Bh        |             |                   |              |        |              |
|     | Total Panjang Besi 1 Luasan       | 13,92              | m         |             |                   |              |        |              |
|     | Berat Total Besi Lapangan X 2     | 8,59               | Kg        |             |                   |              |        |              |
|     | Total Penulangan Luasan 16 Arah X | Tumpuan X 1        | +         | Tumpuan X 2 | +                 | Lapangan X 1 | +      | Lapangan X 1 |
|     |                                   | 8,59               | +         | 8,59        | +                 | 9,15         | +      | 8,59         |
|     |                                   |                    |           |             |                   |              | =      | 34,91        |
|     | Luasan 16 (Arah Y)                |                    |           |             |                   |              |        |              |
|     | Lx                                | 3,48               | m         |             |                   |              |        |              |
|     | Ly                                | 1,38               | m         |             |                   |              |        |              |
|     | 1. Tumpuan Y 1                    |                    |           |             |                   |              |        |              |
|     | Panjang (a)                       | 1,38               | m         |             |                   |              |        |              |
|     | Panjang Total                     | 1,38               | m         |             |                   |              |        |              |
|     | Jarak Tulangan                    | 0,20               | m         |             |                   |              |        |              |
|     | Ukuran Besi                       | 0,010              | m         |             |                   |              |        |              |
|     | Berat Tul                         | 0,617              | Kg/m      |             |                   |              |        |              |
|     | jumlah besi                       | 9,00               | Bh        |             |                   |              |        |              |
|     | Panjang Besi 1 Luasan             | 12,42              | m         |             |                   |              |        |              |
|     | Total Luasan                      | 1,00               | Bh        |             |                   |              |        |              |
|     | Total Panjang Besi 1 Luasan       | 12,42              | m         |             |                   |              |        |              |
|     | Berat Total Besi Tumpuan Y 1      | 7,66               | Kg        |             |                   |              |        |              |

| NO. | URAIAN PEKERJAAN                  | URAIAN PERHITUNGAN |      |             |   |              |                   | VOLUME       | SAT.    |
|-----|-----------------------------------|--------------------|------|-------------|---|--------------|-------------------|--------------|---------|
|     |                                   | Panjang (P)        |      | Lebar (L)   |   | Tinggi (T)   | Banyak Luasan (Q) | Total        |         |
| 1   | 2                                 | 3                  |      | 4           |   | 5            | 6                 | 7            | 8       |
|     | 2. Tumpuan Y 2                    |                    |      |             |   |              |                   |              |         |
|     | Panjang (a)                       | 1,38               | m    |             |   |              |                   |              |         |
|     | Panjang Total                     | 1,38               | m    |             |   |              |                   |              |         |
|     | Jarak Tulangan                    | 0,20               | m    |             |   |              |                   |              |         |
|     | Ukuran Besi                       | 0,010              | m    |             |   |              |                   |              |         |
|     | Berat Tul                         | 0,617              | Kg/m |             |   |              |                   |              |         |
|     | jumlah besi                       | 9,00               | Bh   |             |   |              |                   |              |         |
|     | Panjang Besi 1 Luasan             | 12,42              | m    |             |   |              |                   |              |         |
|     | Total Luasan                      | 1,00               | Bh   |             |   |              |                   |              |         |
|     | Total Panjang Besi 1 Luasan       | 12,42              | m    |             |   |              |                   |              |         |
|     | Berat Total Besi Tumpuan Y 2      | 7,66               | Kg   |             |   |              |                   |              |         |
|     | 3. Lapangan Y 1                   |                    |      |             |   |              |                   |              |         |
|     | Panjang (a)                       | 0,69               | m    |             |   |              |                   |              |         |
|     | Panjang (b)                       | 0,35               | m    |             |   |              |                   |              |         |
|     |                                   | 0,35               | m    |             |   |              |                   |              |         |
|     | Panjang (c)                       | 0,11               | m    |             |   |              |                   |              |         |
|     |                                   | 0,11               | m    |             |   |              |                   |              |         |
|     | Panjang Total                     | 1,61               | m    |             |   |              |                   |              |         |
|     | Jarak Tulangan                    | 0,20               | m    |             |   |              |                   |              |         |
|     | Ukuran Besi                       | 0,010              | m    |             |   |              |                   |              |         |
|     | Berat Tul                         | 0,617              | Kg/m |             |   |              |                   |              |         |
|     | jumlah besi                       | 9,00               | Bh   |             |   |              |                   |              |         |
|     | Panjang Besi 1 Luasan             | 14,46              | m    |             |   |              |                   |              |         |
|     | Total Luasan                      | 1,00               | Bh   |             |   |              |                   |              |         |
|     | Total Panjang Besi 1 Luasan       | 14,46              | m    |             |   |              |                   |              |         |
|     | Berat Total Besi lapangan Y 1     | 8,92               | Kg   |             |   |              |                   |              |         |
|     | 4. Lapangan Y 2                   |                    |      |             |   |              |                   |              |         |
|     | Panjang (a)                       | 1,38               | m    |             |   |              |                   |              |         |
|     | Panjang Total                     | 1,38               | m    |             |   |              |                   |              |         |
|     | Jarak Tulangan                    | 0,20               | m    |             |   |              |                   |              |         |
|     | Ukuran Besi                       | 0,010              | m    |             |   |              |                   |              |         |
|     | Berat Tul                         | 0,617              | Kg/m |             |   |              |                   |              |         |
|     | jumlah besi                       | 9,00               | Bh   |             |   |              |                   |              |         |
|     | Panjang Besi 1 Luasan             | 12,42              | m    |             |   |              |                   |              |         |
|     | Total Luasan                      | 1,00               | Bh   |             |   |              |                   |              |         |
|     | Total Panjang Besi 1 Luasan       | 12,42              | m    |             |   |              |                   |              |         |
|     | Berat Total Besi Lapangan Y 2     | 7,66               | Kg   |             |   |              |                   |              |         |
|     | Total Penulangan Luasan 16 Arah Y | Tumpuan Y 1        | +    | Tumpuan Y 2 | + | Lapangan Y 1 | +                 | Lapangan Y 2 | =       |
|     |                                   | 7,66               | +    | 7,66        | + | 8,92         | +                 | 7,66         | = 31,91 |
|     | Total Penulangan Luasan 16        | Arah X             | +    | Arah Y      |   |              |                   |              | =       |
|     |                                   | 34,91              | +    | 31,91       |   |              |                   |              | = 66,82 |
|     | Luasan 17 (Arah X)                |                    |      |             |   |              |                   |              |         |
|     | Lx                                | 3,55               | m    |             |   |              |                   |              |         |
|     | Ly                                | 1,38               | m    |             |   |              |                   |              |         |
|     | 1. Tumpuan X 1                    |                    |      |             |   |              |                   |              |         |
|     | Panjang (a)                       | 3,55               | m    |             |   |              |                   |              |         |
|     | Panjang Total                     | 3,55               | m    |             |   |              |                   |              |         |
|     | Jarak Tulangan                    | 0,20               | m    |             |   |              |                   |              |         |
|     | Ukuran Besi                       | 0,010              | m    |             |   |              |                   |              |         |
|     | Berat Tul                         | 0,617              | Kg/m |             |   |              |                   |              |         |
|     | jumlah besi                       | 4,00               | Bh   |             |   |              |                   |              |         |
|     | Panjang Besi 1 Luasan             | 14,20              | m    |             |   |              |                   |              |         |
|     | Total Luasan                      | 1,00               | Bh   |             |   |              |                   |              |         |
|     | Total Panjang Besi 1 Luasan       | 14,20              | m    |             |   |              |                   |              |         |
|     | Berat Total Besi Tumpuan X 1      | 8,76               | Kg   |             |   |              |                   |              |         |
|     | 2. Tumpuan X 2                    |                    |      |             |   |              |                   |              |         |
|     | Panjang (a)                       | 3,55               | m    |             |   |              |                   |              |         |
|     | Panjang Total                     | 3,55               | m    |             |   |              |                   |              |         |
|     | Jarak Tulangan                    | 0,20               | m    |             |   |              |                   |              |         |
|     | Ukuran Besi                       | 0,010              | m    |             |   |              |                   |              |         |
|     | Berat Tul                         | 0,617              | Kg/m |             |   |              |                   |              |         |
|     | jumlah besi                       | 4,00               | Bh   |             |   |              |                   |              |         |
|     | Panjang Besi 1 Luasan             | 14,20              | m    |             |   |              |                   |              |         |
|     | Total Luasan                      | 1,00               | Bh   |             |   |              |                   |              |         |
|     | Total Panjang Besi 1 Luasan       | 14,20              | m    |             |   |              |                   |              |         |
|     | Berat Total Besi Tumpuan X 2      | 8,76               | Kg   |             |   |              |                   |              |         |



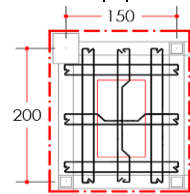
LUASAN I7 = 01 BH

| NO. | URAIAN PEKERJAAN                  | URAIAN PERHITUNGAN |      |             |            |                   |   | VOLUME       | SAT.  |
|-----|-----------------------------------|--------------------|------|-------------|------------|-------------------|---|--------------|-------|
|     |                                   | Panjang (P)        |      | Lebar (L)   | Tinggi (T) | Banyak Luasan (Q) |   | Total        |       |
| 1   | 2                                 | 3                  |      | 4           | 5          | 6                 |   | 7            | 8     |
|     | 3. Lapangan X 1                   |                    |      |             |            |                   |   |              |       |
|     | Panjang (a)                       | 1,78               | m    |             |            |                   |   |              |       |
|     | Panjang (b)                       | 0,89               | m    |             |            |                   |   |              |       |
|     |                                   | 0,89               | m    |             |            |                   |   |              |       |
|     | Panjang (c)                       | 0,11               | m    |             |            |                   |   |              |       |
|     |                                   | 0,11               | m    |             |            |                   |   |              |       |
|     | Panjang Total                     | 3,78               | m    |             |            |                   |   |              |       |
|     | Jarak Tulangan                    | 0,20               | m    |             |            |                   |   |              |       |
|     | Ukuran Besi                       | 0,010              | m    |             |            |                   |   |              |       |
|     | Berat Tul                         | 0,617              | Kg/m |             |            |                   |   |              |       |
|     | jumlah besi                       | 4,00               | Bh   |             |            |                   |   |              |       |
|     | Panjang Besi 1 Luasan             | 15,11              | m    |             |            |                   |   |              |       |
|     | Total Luasan                      | 1,00               | Bh   |             |            |                   |   |              |       |
|     | Total Panjang Besi 1 Luasan       | 15,11              | m    |             |            |                   |   |              |       |
|     | Berat Total Besi lapangan X 1     | 9,32               | Kg   |             |            |                   |   |              |       |
|     | 4. Lapangan X 2                   |                    |      |             |            |                   |   |              |       |
|     | Panjang (a)                       | 3,55               | m    |             |            |                   |   |              |       |
|     | Panjang Total                     | 3,55               | m    |             |            |                   |   |              |       |
|     | Jarak Tulangan                    | 0,20               | m    |             |            |                   |   |              |       |
|     | Ukuran Besi                       | 0,010              | m    |             |            |                   |   |              |       |
|     | Berat Tul                         | 0,617              | Kg/m |             |            |                   |   |              |       |
|     | jumlah besi                       | 4,00               | Bh   |             |            |                   |   |              |       |
|     | Panjang Besi 1 Luasan             | 14,20              | m    |             |            |                   |   |              |       |
|     | Total Luasan                      | 1,00               | Bh   |             |            |                   |   |              |       |
|     | Total Panjang Besi 1 Luasan       | 14,20              | m    |             |            |                   |   |              |       |
|     | Berat Total Besi Lapangan X 2     | 8,76               | Kg   |             |            |                   |   |              |       |
|     | Total Penulangan Luasan 17 Arah X | Tumpuan X 1        | +    | Tumpuan X 2 | +          | Lapangan X 1      | + | Lapangan X 1 | =     |
|     |                                   | 8,76               | +    | 8,76        | +          | 9,32              | + | 8,76         | 35,60 |
|     | Luasan 17 (Arah Y)                |                    |      |             |            |                   |   |              |       |
|     | Lx                                | 3,55               | m    |             |            |                   |   |              |       |
|     | Ly                                | 1,38               | m    |             |            |                   |   |              |       |
|     | 1. Tumpuan Y 1                    |                    |      |             |            |                   |   |              |       |
|     | Panjang (a)                       | 1,38               | m    |             |            |                   |   |              |       |
|     | Panjang Total                     | 1,38               | m    |             |            |                   |   |              |       |
|     | Jarak Tulangan                    | 0,20               | m    |             |            |                   |   |              |       |
|     | Ukuran Besi                       | 0,010              | m    |             |            |                   |   |              |       |
|     | Berat Tul                         | 0,617              | Kg/m |             |            |                   |   |              |       |
|     | jumlah besi                       | 9,00               | Bh   |             |            |                   |   |              |       |
|     | Panjang Besi 1 Luasan             | 12,42              | m    |             |            |                   |   |              |       |
|     | Total Luasan                      | 1,00               | Bh   |             |            |                   |   |              |       |
|     | Total Panjang Besi 1 Luasan       | 12,42              | m    |             |            |                   |   |              |       |
|     | Berat Total Besi Tumpuan Y 1      | 7,66               | Kg   |             |            |                   |   |              |       |
|     | 2. Tumpuan Y 2                    |                    |      |             |            |                   |   |              |       |
|     | Panjang (a)                       | 1,38               | m    |             |            |                   |   |              |       |
|     | Panjang Total                     | 1,38               | m    |             |            |                   |   |              |       |
|     | Jarak Tulangan                    | 0,20               | m    |             |            |                   |   |              |       |
|     | Ukuran Besi                       | 0,010              | m    |             |            |                   |   |              |       |
|     | Berat Tul                         | 0,617              | Kg/m |             |            |                   |   |              |       |
|     | jumlah besi                       | 9,00               | Bh   |             |            |                   |   |              |       |
|     | Panjang Besi 1 Luasan             | 12,42              | m    |             |            |                   |   |              |       |
|     | Total Luasan                      | 1,00               | Bh   |             |            |                   |   |              |       |
|     | Total Panjang Besi 1 Luasan       | 12,42              | m    |             |            |                   |   |              |       |
|     | Berat Total Besi Tumpuan Y 2      | 7,66               | Kg   |             |            |                   |   |              |       |
|     | 3. Lapangan Y 1                   |                    |      |             |            |                   |   |              |       |
|     | Panjang (a)                       | 0,69               | m    |             |            |                   |   |              |       |
|     | Panjang (b)                       | 0,35               | m    |             |            |                   |   |              |       |
|     |                                   | 0,35               | m    |             |            |                   |   |              |       |
|     | Panjang (c)                       | 0,11               | m    |             |            |                   |   |              |       |
|     |                                   | 0,11               | m    |             |            |                   |   |              |       |
|     | Panjang Total                     | 1,61               | m    |             |            |                   |   |              |       |
|     | Jarak Tulangan                    | 0,20               | m    |             |            |                   |   |              |       |
|     | Ukuran Besi                       | 0,010              | m    |             |            |                   |   |              |       |
|     | Berat Tul                         | 0,617              | Kg/m |             |            |                   |   |              |       |
|     | jumlah besi                       | 9,00               | Bh   |             |            |                   |   |              |       |
|     | Panjang Besi 1 Luasan             | 14,46              | m    |             |            |                   |   |              |       |
|     | Total Luasan                      | 1,00               | Bh   |             |            |                   |   |              |       |
|     | Total Panjang Besi 1 Luasan       | 14,46              | m    |             |            |                   |   |              |       |
|     | Berat Total Besi lapangan Y 1     | 8,92               | Kg   |             |            |                   |   |              |       |



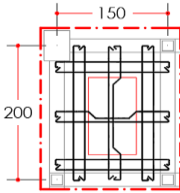
LUASAN 17 = 01 BH

| NO. | URAIAN PEKERJAAN                      | URAIAN PERHITUNGAN |      |             |   |              | VOLUME            | SAT.         |   |       |
|-----|---------------------------------------|--------------------|------|-------------|---|--------------|-------------------|--------------|---|-------|
|     |                                       | Panjang (P)        |      | Lebar (L)   |   | Tinggi (T)   | Banyak Luasan (Q) | Total        |   |       |
| 1   | 2                                     | 3                  |      | 4           |   | 5            | 6                 | 7            | 8 | 9     |
|     | 4. Lapangan Y 2                       |                    |      |             |   |              |                   |              |   |       |
|     | Panjang (a)                           | 1,38               | m    |             |   |              |                   |              |   |       |
|     | Panjang Total                         | 1,38               | m    |             |   |              |                   |              |   |       |
|     | Jarak Tulangan                        | 0,20               | m    |             |   |              |                   |              |   |       |
|     | Ukuran Besi                           | 0,010              | m    |             |   |              |                   |              |   |       |
|     | Berat Tul                             | 0,617              | Kg/m |             |   |              |                   |              |   |       |
|     | jumlah besi                           | 9,00               | Bh   |             |   |              |                   |              |   |       |
|     | Panjang Besi 1 Luasan                 | 12,42              | m    |             |   |              |                   |              |   |       |
|     | Total Luasan                          | 1,00               | Bh   |             |   |              |                   |              |   |       |
|     | Total Panjang Besi 1 Luasan           | 12,42              | m    |             |   |              |                   |              |   |       |
|     | Berat Total Besi Lapangan Y 2         | 7,66               | Kg   |             |   |              |                   |              |   |       |
|     | Total Penulangan Luasan 17 Arah Y     | Tumpuan Y 1        | +    | Tumpuan Y 2 | + | Lapangan Y 1 | +                 | Lapangan Y 2 | = |       |
|     |                                       | 7,66               | +    | 7,66        | + | 8,92         | +                 | 7,66         | = | 31,91 |
|     | Total Penulangan Luasan 17            | Arah X             | +    | Arah Y      |   |              |                   |              | = |       |
|     |                                       | 35,60              | +    | 31,91       |   |              |                   |              | = | 67,51 |
|     | Luasan Lantai Toilet (Arah X)         |                    |      |             |   |              |                   |              |   |       |
|     | Lx                                    | 1,50               | m    |             |   |              |                   |              |   |       |
|     | Ly                                    | 2,00               | m    |             |   |              |                   |              |   |       |
|     | 1. Tumpuan X 1                        |                    |      |             |   |              |                   |              |   |       |
|     | Panjang (a)                           | 1,50               | m    |             |   |              |                   |              |   |       |
|     | Panjang Total                         | 1,50               | m    |             |   |              |                   |              |   |       |
|     | Jarak Tulangan                        | 0,20               | m    |             |   |              |                   |              |   |       |
|     | Ukuran Besi                           | 0,010              | m    |             |   |              |                   |              |   |       |
|     | Berat Tul                             | 0,617              | Kg/m |             |   |              |                   |              |   |       |
|     | jumlah besi                           | 5,00               | Bh   |             |   |              |                   |              |   |       |
|     | Panjang Besi 1 Luasan                 | 7,50               | m    |             |   |              |                   |              |   |       |
|     | Total Luasan                          | 2,00               | Bh   |             |   |              |                   |              |   |       |
|     | Total Panjang Besi 1 Luasan           | 15,00              | m    |             |   |              |                   |              |   |       |
|     | Berat Total Besi Tumpuan X 1          | 9,26               | Kg   |             |   |              |                   |              |   |       |
|     | 2. Tumpuan X 2                        |                    |      |             |   |              |                   |              |   |       |
|     | Panjang (a)                           | 1,50               | m    |             |   |              |                   |              |   |       |
|     | Panjang Total                         | 1,50               | m    |             |   |              |                   |              |   |       |
|     | Jarak Tulangan                        | 0,20               | m    |             |   |              |                   |              |   |       |
|     | Ukuran Besi                           | 0,010              | m    |             |   |              |                   |              |   |       |
|     | Berat Tul                             | 0,617              | Kg/m |             |   |              |                   |              |   |       |
|     | jumlah besi                           | 5,00               | Bh   |             |   |              |                   |              |   |       |
|     | Panjang Besi 1 Luasan                 | 7,50               | m    |             |   |              |                   |              |   |       |
|     | Total Luasan                          | 2,00               | Bh   |             |   |              |                   |              |   |       |
|     | Total Panjang Besi 1 Luasan           | 15,00              | m    |             |   |              |                   |              |   |       |
|     | Berat Total Besi Tumpuan X 2          | 9,26               | Kg   |             |   |              |                   |              |   |       |
|     | 3. Lapangan X 1                       |                    |      |             |   |              |                   |              |   |       |
|     | Panjang (a)                           | 0,75               | m    |             |   |              |                   |              |   |       |
|     | Panjang (b)                           | 0,38               | m    |             |   |              |                   |              |   |       |
|     |                                       | 0,38               | m    |             |   |              |                   |              |   |       |
|     | Panjang (c)                           | 0,11               | m    |             |   |              |                   |              |   |       |
|     |                                       | 0,11               | m    |             |   |              |                   |              |   |       |
|     | Panjang Total                         | 1,73               | m    |             |   |              |                   |              |   |       |
|     | Jarak Tulangan                        | 0,20               | m    |             |   |              |                   |              |   |       |
|     | Ukuran Besi                           | 0,010              | m    |             |   |              |                   |              |   |       |
|     | Berat Tul                             | 0,617              | Kg/m |             |   |              |                   |              |   |       |
|     | jumlah besi                           | 5,00               | Bh   |             |   |              |                   |              |   |       |
|     | Panjang Besi 1 Luasan                 | 8,63               | m    |             |   |              |                   |              |   |       |
|     | Total Luasan                          | 2,00               | Bh   |             |   |              |                   |              |   |       |
|     | Total Panjang Besi 1 Luasan           | 17,26              | m    |             |   |              |                   |              |   |       |
|     | Berat Total Besi lapangan X 1         | 10,65              | Kg   |             |   |              |                   |              |   |       |
|     | 4. Lapangan X 2                       |                    |      |             |   |              |                   |              |   |       |
|     | Panjang (a)                           | 1,50               | m    |             |   |              |                   |              |   |       |
|     | Panjang Total                         | 1,50               | m    |             |   |              |                   |              |   |       |
|     | Jarak Tulangan                        | 0,20               | m    |             |   |              |                   |              |   |       |
|     | Ukuran Besi                           | 0,010              | m    |             |   |              |                   |              |   |       |
|     | Berat Tul                             | 0,617              | Kg/m |             |   |              |                   |              |   |       |
|     | jumlah besi                           | 5,00               | Bh   |             |   |              |                   |              |   |       |
|     | Panjang Besi 1 Luasan                 | 7,50               | m    |             |   |              |                   |              |   |       |
|     | Total Luasan                          | 2,00               | Bh   |             |   |              |                   |              |   |       |
|     | Total Panjang Besi 1 Luasan           | 15,00              | m    |             |   |              |                   |              |   |       |
|     | Berat Total Besi Lapangan X 2         | 9,26               | Kg   |             |   |              |                   |              |   |       |
|     | Total Penulangan Luasan Toilet Arah X | Tumpuan X 1        | +    | Tumpuan X 2 | + | Lapangan X 1 | +                 | Lapangan X 1 | = |       |
|     |                                       | 9,26               | +    | 9,26        | + | 10,65        | +                 | 9,26         | = | 38,42 |

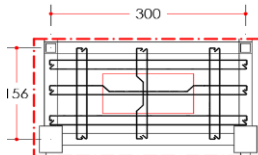


LUASAN LANTAI TOILET - 02 BH

| NO. | URAIAN PEKERJAAN                      | URAIAN PERHITUNGAN |           |             |                   |              | VOLUME | SAT.         |
|-----|---------------------------------------|--------------------|-----------|-------------|-------------------|--------------|--------|--------------|
|     |                                       | Panjang (P)        | Lebar (L) | Tinggi (T)  | Banyak Luasan (Q) | Total        |        |              |
| 1   | 2                                     | 3                  | 4         | 5           | 6                 | 7            | 8      | 9            |
|     | Luasan Lantai Toilet (Arah Y)         |                    |           |             |                   |              |        |              |
|     | Lx                                    | 1,50               | m         |             |                   |              |        |              |
|     | Ly                                    | 2,00               | m         |             |                   |              |        |              |
|     | 1. Tumpuan Y 1                        |                    |           |             |                   |              |        |              |
|     | Panjang (a)                           | 2,00               | m         |             |                   |              |        |              |
|     | Panjang Total                         | 2,00               | m         |             |                   |              |        |              |
|     | Jarak Tulangan                        | 0,20               | m         |             |                   |              |        |              |
|     | Ukuran Besi                           | 0,010              | m         |             |                   |              |        |              |
|     | Berat Tul                             | 0,617              | Kg/m      |             |                   |              |        |              |
|     | jumlah besi                           | 4,00               | Bh        |             |                   |              |        |              |
|     | Panjang Besi 1 Luasan                 | 8,00               | m         |             |                   |              |        |              |
|     | Total Luasan                          | 2,00               | Bh        |             |                   |              |        |              |
|     | Total Panjang Besi 1 Luasan           | 16,00              | m         |             |                   |              |        |              |
|     | Berat Total Besi Tumpuan Y 1          | 9,87               | Kg        |             |                   |              |        |              |
|     | 2. Tumpuan Y 2                        |                    |           |             |                   |              |        |              |
|     | Panjang (a)                           | 2,00               | m         |             |                   |              |        |              |
|     | Panjang Total                         | 2,00               | m         |             |                   |              |        |              |
|     | Jarak Tulangan                        | 0,20               | m         |             |                   |              |        |              |
|     | Ukuran Besi                           | 0,010              | m         |             |                   |              |        |              |
|     | Berat Tul                             | 0,617              | Kg/m      |             |                   |              |        |              |
|     | jumlah besi                           | 4,00               | Bh        |             |                   |              |        |              |
|     | Panjang Besi 1 Luasan                 | 8,00               | m         |             |                   |              |        |              |
|     | Total Luasan                          | 2,00               | Bh        |             |                   |              |        |              |
|     | Total Panjang Besi 1 Luasan           | 16,00              | m         |             |                   |              |        |              |
|     | Berat Total Besi Tumpuan Y 2          | 9,87               | Kg        |             |                   |              |        |              |
|     | 3. Lapangan Y 1                       |                    |           |             |                   |              |        |              |
|     | Panjang (a)                           | 1,00               | m         |             |                   |              |        |              |
|     | Panjang (b)                           | 0,50               | m         |             |                   |              |        |              |
|     |                                       | 0,50               | m         |             |                   |              |        |              |
|     | Panjang (c)                           | 0,11               | m         |             |                   |              |        |              |
|     |                                       | 0,11               | m         |             |                   |              |        |              |
|     | Panjang Total                         | 2,23               | m         |             |                   |              |        |              |
|     | Jarak Tulangan                        | 0,20               | m         |             |                   |              |        |              |
|     | Ukuran Besi                           | 0,010              | m         |             |                   |              |        |              |
|     | Berat Tul                             | 0,617              | Kg/m      |             |                   |              |        |              |
|     | jumlah besi                           | 4,00               | Bh        |             |                   |              |        |              |
|     | Panjang Besi 1 Luasan                 | 8,91               | m         |             |                   |              |        |              |
|     | Total Luasan                          | 2,00               | Bh        |             |                   |              |        |              |
|     | Total Panjang Besi 1 Luasan           | 17,81              | m         |             |                   |              |        |              |
|     | Berat Total Besi lapangan Y 1         | 10,99              | Kg        |             |                   |              |        |              |
|     | 4. Lapangan Y 2                       |                    |           |             |                   |              |        |              |
|     | Panjang (a)                           | 2,00               | m         |             |                   |              |        |              |
|     | Panjang Total                         | 2,00               | m         |             |                   |              |        |              |
|     | Jarak Tulangan                        | 0,20               | m         |             |                   |              |        |              |
|     | Ukuran Besi                           | 0,010              | m         |             |                   |              |        |              |
|     | Berat Tul                             | 0,617              | Kg/m      |             |                   |              |        |              |
|     | jumlah besi                           | 4,00               | Bh        |             |                   |              |        |              |
|     | Panjang Besi 1 Luasan                 | 8,00               | m         |             |                   |              |        |              |
|     | Total Luasan                          | 2,00               | Bh        |             |                   |              |        |              |
|     | Total Panjang Besi 1 Luasan           | 16,00              | m         |             |                   |              |        |              |
|     | Berat Total Besi Lapangan Y 2         | 9,87               | Kg        |             |                   |              |        |              |
|     | Total Penulangan Luasan Toilet Arah Y | Tumpuan Y 1        | +         | Tumpuan Y 2 | +                 | Lapangan Y 1 | +      | Lapangan Y 2 |
|     |                                       | 9,87               | +         | 9,87        | +                 | 10,99        | +      | 9,87         |
|     |                                       |                    |           |             |                   |              | =      | 40,60        |
|     | Total Penulangan Luasan Lantai Toilet | Arah X             | +         | Arah Y      |                   |              |        |              |
|     |                                       | 38,42              | +         | 40,60       |                   |              | =      | 79,02        |
|     | Luasan Lantai Bordes (Arah X)         |                    |           |             |                   |              |        |              |
|     | Lx                                    | 3,00               | m         |             |                   |              |        |              |
|     | Ly                                    | 1,56               | m         |             |                   |              |        |              |
|     | 1. Tumpuan X 1                        |                    |           |             |                   |              |        |              |
|     | Panjang (a)                           | 3,00               | m         |             |                   |              |        |              |
|     | Panjang Total                         | 3,00               | m         |             |                   |              |        |              |
|     | Jarak Tulangan                        | 0,20               | m         |             |                   |              |        |              |
|     | Ukuran Besi                           | 0,010              | m         |             |                   |              |        |              |
|     | Berat Tul                             | 0,617              | Kg/m      |             |                   |              |        |              |
|     | jumlah besi                           | 4,00               | Bh        |             |                   |              |        |              |
|     | Panjang Besi 1 Luasan                 | 12,00              | m         |             |                   |              |        |              |
|     | Total Luasan                          | 1,00               | Bh        |             |                   |              |        |              |
|     | Total Panjang Besi 1 Luasan           | 12,00              | m         |             |                   |              |        |              |
|     | Berat Total Besi Tumpuan X 1          | 7,40               | Kg        |             |                   |              |        |              |

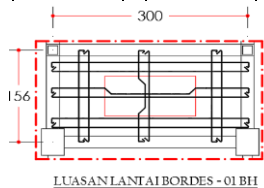


LUASAN LANTAI TOILET - 02 BH



LUASAN LANTAI BORDES - 01 BH

| NO. | URAIAN PEKERJAAN                      | URAIAN PERHITUNGAN |      |             |   |              |                   | VOLUME       | SAT.  |
|-----|---------------------------------------|--------------------|------|-------------|---|--------------|-------------------|--------------|-------|
|     |                                       | Panjang (P)        |      | Lebar (L)   |   | Tinggi (T)   | Banyak Luasan (Q) | Total        |       |
| 1   | 2                                     | 3                  |      | 4           |   | 5            | 6                 | 7            | 8     |
|     | 2. Tumpuan X 2                        |                    |      |             |   |              |                   |              |       |
|     | Panjang (a)                           | 3,00               | m    |             |   |              |                   |              |       |
|     | Panjang Total                         | 3,00               | m    |             |   |              |                   |              |       |
|     | Jarak Tulangan                        | 0,20               | m    |             |   |              |                   |              |       |
|     | Ukuran Besi                           | 0,010              | m    |             |   |              |                   |              |       |
|     | Berat Tul                             | 0,617              | Kg/m |             |   |              |                   |              |       |
|     | jumlah besi                           | 4,00               | Bh   |             |   |              |                   |              |       |
|     | Panjang Besi 1 Luasan                 | 12,00              | m    |             |   |              |                   |              |       |
|     | Total Luasan                          | 1,00               | Bh   |             |   |              |                   |              |       |
|     | Total Panjang Besi 1 Luasan           | 12,00              | m    |             |   |              |                   |              |       |
|     | Berat Total Besi Tumpuan X 2          | 7,40               | Kg   |             |   |              |                   |              |       |
|     | 3. Lapangan X 1                       |                    |      |             |   |              |                   |              |       |
|     | Panjang (a)                           | 1,50               | m    |             |   |              |                   |              |       |
|     | Panjang (b)                           | 0,75               | m    |             |   |              |                   |              |       |
|     |                                       | 0,75               | m    |             |   |              |                   |              |       |
|     | Panjang (c)                           | 0,11               | m    |             |   |              |                   |              |       |
|     |                                       | 0,11               | m    |             |   |              |                   |              |       |
|     | Panjang Total                         | 3,23               | m    |             |   |              |                   |              |       |
|     | Jarak Tulangan                        | 0,20               | m    |             |   |              |                   |              |       |
|     | Ukuran Besi                           | 0,010              | m    |             |   |              |                   |              |       |
|     | Berat Tul                             | 0,617              | Kg/m |             |   |              |                   |              |       |
|     | jumlah besi                           | 4,00               | Bh   |             |   |              |                   |              |       |
|     | Panjang Besi 1 Luasan                 | 12,91              | m    |             |   |              |                   |              |       |
|     | Total Luasan                          | 1,00               | Bh   |             |   |              |                   |              |       |
|     | Total Panjang Besi 1 Luasan           | 12,91              | m    |             |   |              |                   |              |       |
|     | Berat Total Besi lapangan X 1         | 7,96               | Kg   |             |   |              |                   |              |       |
|     | 4. Lapangan X 2                       |                    |      |             |   |              |                   |              |       |
|     | Panjang (a)                           | 3,00               | m    |             |   |              |                   |              |       |
|     | Panjang Total                         | 3,00               | m    |             |   |              |                   |              |       |
|     | Jarak Tulangan                        | 0,20               | m    |             |   |              |                   |              |       |
|     | Ukuran Besi                           | 0,010              | m    |             |   |              |                   |              |       |
|     | Berat Tul                             | 0,617              | Kg/m |             |   |              |                   |              |       |
|     | jumlah besi                           | 4,00               | Bh   |             |   |              |                   |              |       |
|     | Panjang Besi 1 Luasan                 | 12,00              | m    |             |   |              |                   |              |       |
|     | Total Luasan                          | 1,00               | Bh   |             |   |              |                   |              |       |
|     | Total Panjang Besi 1 Luasan           | 12,00              | m    |             |   |              |                   |              |       |
|     | Berat Total Besi Lapangan X 2         | 7,40               | Kg   |             |   |              |                   |              |       |
|     | Total Penulangan Luasan Bordes Arah X | Tumpuan X 1        | +    | Tumpuan X 2 | + | Lapangan X 1 | +                 | Lapangan X 1 | =     |
|     |                                       | 7,40               | +    | 7,40        | + | 7,96         | +                 | 7,40         | 30,17 |
|     | Luasan Lantai Bordes (Arah Y)         |                    |      |             |   |              |                   |              |       |
|     | Lx                                    | 3,00               | m    |             |   |              |                   |              |       |
|     | Ly                                    | 1,56               | m    |             |   |              |                   |              |       |
|     | 1. Tumpuan Y 1                        |                    |      |             |   |              |                   |              |       |
|     | Panjang (a)                           | 1,56               | m    |             |   |              |                   |              |       |
|     | Panjang Total                         | 1,56               | m    |             |   |              |                   |              |       |
|     | Jarak Tulangan                        | 0,20               | m    |             |   |              |                   |              |       |
|     | Ukuran Besi                           | 0,010              | m    |             |   |              |                   |              |       |
|     | Berat Tul                             | 0,617              | Kg/m |             |   |              |                   |              |       |
|     | jumlah besi                           | 8,00               | Bh   |             |   |              |                   |              |       |
|     | Panjang Besi 1 Luasan                 | 12,48              | m    |             |   |              |                   |              |       |
|     | Total Luasan                          | 1,00               | Bh   |             |   |              |                   |              |       |
|     | Total Panjang Besi 1 Luasan           | 12,48              | m    |             |   |              |                   |              |       |
|     | Berat Total Besi Tumpuan Y 1          | 7,70               | Kg   |             |   |              |                   |              |       |
|     | 2. Tumpuan Y 2                        |                    |      |             |   |              |                   |              |       |
|     | Panjang (a)                           | 1,56               | m    |             |   |              |                   |              |       |
|     | Panjang Total                         | 1,56               | m    |             |   |              |                   |              |       |
|     | Jarak Tulangan                        | 0,20               | m    |             |   |              |                   |              |       |
|     | Ukuran Besi                           | 0,010              | m    |             |   |              |                   |              |       |
|     | Berat Tul                             | 0,617              | Kg/m |             |   |              |                   |              |       |
|     | jumlah besi                           | 8,00               | Bh   |             |   |              |                   |              |       |
|     | Panjang Besi 1 Luasan                 | 12,48              | m    |             |   |              |                   |              |       |
|     | Total Luasan                          | 1,00               | Bh   |             |   |              |                   |              |       |
|     | Total Panjang Besi 1 Luasan           | 12,48              | m    |             |   |              |                   |              |       |
|     | Berat Total Besi Tumpuan Y 2          | 7,70               | Kg   |             |   |              |                   |              |       |



| NO. | URAIAN PEKERJAAN                      | URAIAN PERHITUNGAN |      |             |   |              |                   |              | VOLUME | SAT.  |
|-----|---------------------------------------|--------------------|------|-------------|---|--------------|-------------------|--------------|--------|-------|
|     |                                       | Panjang (P)        |      | Lebar (L)   |   | Tinggi (T)   | Banyak Luasan (Q) |              | Total  |       |
| 1   | 2                                     | 3                  |      | 4           |   | 5            | 6                 |              | 7      | 8     |
|     | 3. Lapangan Y 1                       |                    |      |             |   |              |                   |              |        |       |
|     | Panjang (a)                           | 0,78               | m    |             |   |              |                   |              |        |       |
|     | Panjang (b)                           | 0,39               | m    |             |   |              |                   |              |        |       |
|     |                                       | 0,39               | m    |             |   |              |                   |              |        |       |
|     | Panjang (c)                           | 0,11               | m    |             |   |              |                   |              |        |       |
|     |                                       | 0,11               | m    |             |   |              |                   |              |        |       |
|     | Panjang Total                         | 1,79               | m    |             |   |              |                   |              |        |       |
|     | Jarak Tulangan                        | 0,20               | m    |             |   |              |                   |              |        |       |
|     | Ukuran Besi                           | 0,010              | m    |             |   |              |                   |              |        |       |
|     | Berat Tul                             | 0,617              | Kg/m |             |   |              |                   |              |        |       |
|     | jumlah besi                           | 8,00               | Bh   |             |   |              |                   |              |        |       |
|     | Panjang Besi 1 Luasan                 | 14,29              | m    |             |   |              |                   |              |        |       |
|     | Total Luasan                          | 1,00               | Bh   |             |   |              |                   |              |        |       |
|     | Total Panjang Besi 1 Luasan           | 14,29              | m    |             |   |              |                   |              |        |       |
|     | Berat Total Besi lapangan Y 1         | 8,82               | Kg   |             |   |              |                   |              |        |       |
|     | 4. Lapangan Y 2                       |                    |      |             |   |              |                   |              |        |       |
|     | Panjang (a)                           | 1,56               | m    |             |   |              |                   |              |        |       |
|     | Panjang Total                         | 1,56               | m    |             |   |              |                   |              |        |       |
|     | Jarak Tulangan                        | 0,20               | m    |             |   |              |                   |              |        |       |
|     | Ukuran Besi                           | 0,010              | m    |             |   |              |                   |              |        |       |
|     | Berat Tul                             | 0,617              | Kg/m |             |   |              |                   |              |        |       |
|     | jumlah besi                           | 8,00               | Bh   |             |   |              |                   |              |        |       |
|     | Panjang Besi 1 Luasan                 | 12,48              | m    |             |   |              |                   |              |        |       |
|     | Total Luasan                          | 1,00               | Bh   |             |   |              |                   |              |        |       |
|     | Total Panjang Besi 1 Luasan           | 12,48              | m    |             |   |              |                   |              |        |       |
|     | Berat Total Besi Lapangan Y 2         | 7,70               | Kg   |             |   |              |                   |              |        |       |
|     | Total Penulangan Luasan Bordes Arah Y | Tumpuan Y 1        | +    | Tumpuan Y 2 | + | Lapangan Y 1 | +                 | Lapangan Y 2 | =      |       |
|     |                                       | 7,70               | +    | 7,70        | + | 8,82         | +                 | 7,70         | =      | 31,92 |
|     | Total Penulangan Luasan Lantai Bordes | Arah X             | +    | Arah Y      |   |              |                   |              | =      |       |
|     |                                       | 30,17              | +    | 31,92       |   |              |                   |              | =      | 62,09 |
|     | Total Berat Penulangan Plat Utama     |                    |      |             |   |              |                   |              |        |       |
|     | Luasan 1                              | 271,04             |      |             |   |              |                   |              |        |       |
|     | Luasan 2                              | 203,36             |      |             |   |              |                   |              |        |       |
|     | Luasan 3                              | 320,44             |      |             |   |              |                   |              |        |       |
|     | Luasan 4                              | 317,77             |      |             |   |              |                   |              |        |       |
|     | Luasan 5                              | 200,25             |      |             |   |              |                   |              |        |       |
|     | Luasan 6                              | 278,60             |      |             |   |              |                   |              |        |       |
|     | Luasan 7                              | 154,67             |      |             |   |              |                   |              |        |       |
|     | Luasan 8                              | 55,58              |      |             |   |              |                   |              |        |       |
|     | Luasan 9                              | 88,21              |      |             |   |              |                   |              |        |       |
|     | Luasan 10                             | 88,95              |      |             |   |              |                   |              |        |       |
|     | Luasan 11                             | 56,45              |      |             |   |              |                   |              |        |       |
|     | Luasan 12                             | 75,24              |      |             |   |              |                   |              |        |       |
|     | Luasan 13                             | 39,94              |      |             |   |              |                   |              |        |       |
|     | Luasan 14                             | 54,25              |      |             |   |              |                   |              |        |       |
|     | Luasan 15                             | 41,97              |      |             |   |              |                   |              |        |       |
|     | Luasan 16                             | 66,82              |      |             |   |              |                   |              |        |       |
|     | Luasan 17                             | 67,51              |      |             |   |              |                   |              |        |       |
|     | Luasan Lantai Toilet                  | 79,02              |      |             |   |              |                   |              |        |       |
|     | Luasan Lantai Bordes                  | 62,09              |      |             |   |              |                   |              |        |       |
|     | Jumlah Total Berat Tulangan Plat      | 2522,16            |      |             |   |              |                   |              |        |       |
| 17  | Tangga                                |                    |      |             |   |              |                   |              |        |       |
| a   | Pek. Bekisting Tangga                 | P                  | x    | L           |   |              | x                 | Q            |        |       |
|     | Bawah                                 | 3,85               | x    | 1,35        |   |              | x                 | 1,00         | =      | 5,20  |
|     | Atas                                  | 2,95               | x    | 1,35        |   |              | x                 | 1,00         | =      | 3,98  |
|     |                                       |                    |      |             |   |              |                   | Jumlah Total | =      | 9,18  |
| b   | Pek. Pembetonan Tangga                | P                  | x    | L           | x | T            | x                 | Q            |        |       |
|     | Bawah                                 | 3,95               | x    | 1,35        | x | 0,10         | x                 | 1,00         | =      | 0,53  |
|     | Atas                                  | 2,95               | x    | 1,35        | x | 0,10         | x                 | 1,00         | =      | 0,40  |
|     | Anak Tangga                           | 0,50               | x    | a           | x | t            |                   |              |        |       |
|     |                                       | 0,50               | x    | 0,20        | x | 0,30         | =                 | 0,03         |        |       |
|     | Volume Anak tangga                    | Luas               | x    | P           | x | Q            |                   |              |        |       |
|     |                                       | 0,03               | x    | 1,35        | x | 19,00        |                   |              | =      | 0,77  |
|     |                                       |                    |      |             |   |              |                   | Jumlah Total | =      | 1,70  |

| NO. | URAIAN PEKERJAAN                        | URAIAN PERHITUNGAN |      |             |   |                        |                   | VOLUME                  | SAT. |        |    |
|-----|-----------------------------------------|--------------------|------|-------------|---|------------------------|-------------------|-------------------------|------|--------|----|
|     |                                         | Panjang (P)        |      | Lebar (L)   |   | Tinggi (T)             | Banyak Luasan (Q) |                         |      | Total  |    |
| 1   | 2                                       | 3                  |      | 4           |   | 5                      | 6                 | 7                       | 8    | 9      |    |
| c   | Pembesian Tangga<br>Besi Diameter 10 mm |                    |      |             |   |                        |                   |                         | =    | 167,82 | Kg |
|     | Pembesian Plat Tangga Bawah             |                    |      |             |   |                        |                   |                         |      |        |    |
|     | Lx                                      | 1,35               | m    |             |   |                        |                   |                         |      |        |    |
|     | Ly                                      | 3,95               | m    |             |   |                        |                   |                         |      |        |    |
|     | 1. Pembesian X                          |                    |      |             |   |                        |                   |                         |      |        |    |
|     | Panjang (a)                             | 1,35               | m    |             |   |                        |                   |                         |      |        |    |
|     | Panjang (b)                             | 0,00               | m    |             |   |                        |                   |                         |      |        |    |
|     | Panjang (c)                             | 0,00               | m    |             |   |                        |                   |                         |      |        |    |
|     | Panjang (d)                             | 0,00               | m    |             |   |                        |                   |                         |      |        |    |
|     | Panjang Total                           | 1,35               | m    |             |   |                        |                   |                         |      |        |    |
|     | Jarak Tulangan                          | 0,15               | m    |             |   |                        |                   |                         |      |        |    |
|     | Ukuran Besi                             | 0,010              | m    |             |   |                        |                   |                         |      |        |    |
|     | Berat Tul                               | 0,617              | Kg/m |             |   |                        |                   |                         |      |        |    |
|     | jumlah besi                             | 26,00              | Bh   |             |   |                        |                   |                         |      |        |    |
|     | Panjang Besi 1 Luasan                   | 35,10              | m    |             |   |                        |                   |                         |      |        |    |
|     | Total Luasan                            | 1,00               | Bh   |             |   |                        |                   |                         |      |        |    |
|     | Total Panjang Besi 1 Luasan             | 35,10              | m    |             |   |                        |                   |                         |      |        |    |
|     | Berat Total Besi X                      | 21,66              | Kg   |             |   |                        |                   |                         |      |        |    |
|     | 2. Pembesian Y                          |                    |      |             |   |                        |                   |                         |      |        |    |
|     | Panjang (a)                             | 3,95               | m    |             |   |                        |                   |                         |      |        |    |
|     | Panjang Total                           | 3,95               | m    |             |   |                        |                   |                         |      |        |    |
|     | Jarak Tulangan                          | 0,15               | m    |             |   |                        |                   |                         |      |        |    |
|     | Ukuran Besi                             | 0,010              | m    |             |   |                        |                   |                         |      |        |    |
|     | Berat Tul                               | 0,617              | Kg/m |             |   |                        |                   |                         |      |        |    |
|     | jumlah besi                             | 9,00               | Bh   |             |   |                        |                   |                         |      |        |    |
|     | Panjang Besi 1 Luasan                   | 35,55              | m    |             |   |                        |                   |                         |      |        |    |
|     | Total Luasan                            | 1,00               | Bh   |             |   |                        |                   |                         |      |        |    |
|     | Total Panjang Besi 1 Luasan             | 35,55              | m    |             |   |                        |                   |                         |      |        |    |
|     | Berat Total Besi Pembesian Y            | 21,93              | Kg   |             |   |                        |                   |                         |      |        |    |
|     | 3. Pembesian Anak Tangga (Segitiga)     |                    |      |             |   |                        |                   |                         |      |        |    |
|     | Panjang (a) (Segitiga)                  | 0,30               | m    |             |   |                        |                   |                         |      |        |    |
|     | Panjang (b) (Segitiga)                  | 0,20               | m    |             |   |                        |                   |                         |      |        |    |
|     | Panjang Total                           | 0,50               | m    |             |   |                        |                   |                         |      |        |    |
|     | Jarak Tulangan                          | 0,10               | m    |             |   |                        |                   |                         |      |        |    |
|     | Ukuran Besi                             | 0,010              | m    |             |   |                        |                   |                         |      |        |    |
|     | Berat Tul                               | 0,617              | Kg/m |             |   |                        |                   |                         |      |        |    |
|     | jumlah besi                             | 13,00              | Bh   |             |   |                        |                   |                         |      |        |    |
|     | Panjang Besi 1 Luasan                   | 6,50               | m    |             |   |                        |                   |                         |      |        |    |
|     | Total Luasan                            | 11,00              | Bh   |             |   |                        |                   |                         |      |        |    |
|     | Total Panjang Besi 1 Luasan             | 71,50              | m    |             |   |                        |                   |                         |      |        |    |
|     | Berat Total Besi Pembesian Y            | 44,12              | Kg   |             |   |                        |                   |                         |      |        |    |
|     | 4. Pembesian Anak Tangga (Memanjang)    |                    |      |             |   |                        |                   |                         |      |        |    |
|     | Panjang (a)                             | 1,35               | m    |             |   |                        |                   |                         |      |        |    |
|     | Panjang Total                           | 1,35               | m    |             |   |                        |                   |                         |      |        |    |
|     | Jarak Tulangan                          | 0,00               | m    |             |   |                        |                   |                         |      |        |    |
|     | Ukuran Besi                             | 0,010              | m    |             |   |                        |                   |                         |      |        |    |
|     | Berat Tul                               | 0,617              | Kg/m |             |   |                        |                   |                         |      |        |    |
|     | jumlah besi                             | 11,00              | Bh   |             |   |                        |                   |                         |      |        |    |
|     | Panjang Besi 1 Luasan                   | 14,85              | m    |             |   |                        |                   |                         |      |        |    |
|     | Total Luasan                            | 1,00               | Bh   |             |   |                        |                   |                         |      |        |    |
|     | Total Panjang Besi 1 Luasan             | 14,85              | m    |             |   |                        |                   |                         |      |        |    |
|     | Berat Total Besi Pembesian Y            | 9,16               | Kg   |             |   |                        |                   |                         |      |        |    |
|     | Penulangan Tangga Bagian Bawah          | Pembesian X        | +    | Pembesian Y | + | Anak Tangga (Segitiga) | +                 | Anak Tangga (Memanjang) | =    | 96,87  |    |
|     |                                         | 21,66              | +    | 21,93       | + | 44,12                  | +                 | 9,16                    |      |        |    |
|     | Pembesian Plat Tangga Atas              |                    |      |             |   |                        |                   |                         |      |        |    |
|     | Lx                                      | 1,35               | m    |             |   |                        |                   |                         |      |        |    |
|     | Ly                                      | 2,95               | m    |             |   |                        |                   |                         |      |        |    |
|     | 1. Pembesian X                          |                    |      |             |   |                        |                   |                         |      |        |    |
|     | Panjang (a)                             | 1,35               | m    |             |   |                        |                   |                         |      |        |    |
|     | Panjang (b)                             | 0,00               | m    |             |   |                        |                   |                         |      |        |    |
|     | Panjang (c)                             | 0,00               | m    |             |   |                        |                   |                         |      |        |    |
|     | Panjang (d)                             | 0,00               | m    |             |   |                        |                   |                         |      |        |    |
|     | Panjang Total                           | 1,35               | m    |             |   |                        |                   |                         |      |        |    |
|     | Jarak Tulangan                          | 0,15               | m    |             |   |                        |                   |                         |      |        |    |
|     | Ukuran Besi                             | 0,010              | m    |             |   |                        |                   |                         |      |        |    |
|     | Berat Tul                               | 0,617              | Kg/m |             |   |                        |                   |                         |      |        |    |
|     | jumlah besi                             | 19,00              | Bh   |             |   |                        |                   |                         |      |        |    |
|     | Panjang Besi 1 Luasan                   | 25,65              | m    |             |   |                        |                   |                         |      |        |    |
|     | Total Luasan                            | 1,00               | Bh   |             |   |                        |                   |                         |      |        |    |
|     | Total Panjang Besi 1 Luasan             | 25,65              | m    |             |   |                        |                   |                         |      |        |    |
|     | Berat Total Besi X                      | 15,83              | Kg   |             |   |                        |                   |                         |      |        |    |

| NO.                  | URAIAN PEKERJAAN                     | URAIAN PERHITUNGAN |       |             |       |                        |                   |                         | VOLUME | SAT.   |        |  |
|----------------------|--------------------------------------|--------------------|-------|-------------|-------|------------------------|-------------------|-------------------------|--------|--------|--------|--|
|                      |                                      | Panjang (P)        |       | Lebar (L)   |       | Tinggi (T)             | Banyak Luasan (Q) |                         |        |        | Total  |  |
| 1                    | 2                                    | 3                  |       | 4           |       | 5                      | 6                 |                         | 7      | 8      | 9      |  |
| 18                   | 2. Pembesian Y                       |                    |       |             |       |                        |                   |                         |        |        |        |  |
|                      | Panjang (a)                          | 2,95               | m     |             |       |                        |                   |                         |        |        |        |  |
|                      | Panjang Total                        | 2,95               | m     |             |       |                        |                   |                         |        |        |        |  |
|                      | Jarak Tulangan                       | 0,15               | m     |             |       |                        |                   |                         |        |        |        |  |
|                      | Ukuran Besi                          | 0,010              | m     |             |       |                        |                   |                         |        |        |        |  |
|                      | Berat Tul                            | 0,617              | Kg/m  |             |       |                        |                   |                         |        |        |        |  |
|                      | jumlah besi                          | 9,00               | Bh    |             |       |                        |                   |                         |        |        |        |  |
|                      | Panjang Besi 1 Luasan                | 26,55              | m     |             |       |                        |                   |                         |        |        |        |  |
|                      | Total Luasan                         | 1,00               | Bh    |             |       |                        |                   |                         |        |        |        |  |
|                      | Total Panjang Besi 1 Luasan          | 26,55              | m     |             |       |                        |                   |                         |        |        |        |  |
|                      | Berat Total Besi Pembesian Y         | 16,38              | Kg    |             |       |                        |                   |                         |        |        |        |  |
|                      | 3. Pembesian Anak Tangga (Segitiga)  |                    |       |             |       |                        |                   |                         |        |        |        |  |
|                      | Panjang (a) (Segitiga)               | 0,30               | m     |             |       |                        |                   |                         |        |        |        |  |
|                      | Panjang (b) (Segitiga)               | 0,20               | m     |             |       |                        |                   |                         |        |        |        |  |
|                      | Panjang Total                        | 0,50               | m     |             |       |                        |                   |                         |        |        |        |  |
|                      | Jarak Tulangan                       | 0,10               | m     |             |       |                        |                   |                         |        |        |        |  |
|                      | Ukuran Besi                          | 0,010              | m     |             |       |                        |                   |                         |        |        |        |  |
|                      | Berat Tul                            | 0,617              | Kg/m  |             |       |                        |                   |                         |        |        |        |  |
|                      | jumlah besi                          | 13,00              | Bh    |             |       |                        |                   |                         |        |        |        |  |
|                      | Panjang Besi 1 Luasan                | 6,50               | m     |             |       |                        |                   |                         |        |        |        |  |
|                      | Total Luasan                         | 8,00               | Bh    |             |       |                        |                   |                         |        |        |        |  |
|                      | Total Panjang Besi 1 Luasan          | 52,00              | m     |             |       |                        |                   |                         |        |        |        |  |
|                      | Berat Total Besi Pembesian Y         | 32,08              | Kg    |             |       |                        |                   |                         |        |        |        |  |
|                      | 4. Pembesian Anak Tangga (Memanjang) |                    |       |             |       |                        |                   |                         |        |        |        |  |
|                      | Panjang (a)                          | 1,35               | m     |             |       |                        |                   |                         |        |        |        |  |
|                      | Panjang Total                        | 1,35               | m     |             |       |                        |                   |                         |        |        |        |  |
|                      | Jarak Tulangan                       | 0,00               | m     |             |       |                        |                   |                         |        |        |        |  |
|                      | Ukuran Besi                          | 0,010              | m     |             |       |                        |                   |                         |        |        |        |  |
|                      | Berat Tul                            | 0,617              | Kg/m  |             |       |                        |                   |                         |        |        |        |  |
|                      | jumlah besi                          | 8,00               | Bh    |             |       |                        |                   |                         |        |        |        |  |
|                      | Panjang Besi 1 Luasan                | 10,80              | m     |             |       |                        |                   |                         |        |        |        |  |
|                      | Total Luasan                         | 1,00               | Bh    |             |       |                        |                   |                         |        |        |        |  |
|                      | Total Panjang Besi 1 Luasan          | 10,80              | m     |             |       |                        |                   |                         |        |        |        |  |
|                      | Berat Total Besi Pembesian Y         | 6,66               | Kg    |             |       |                        |                   |                         |        |        |        |  |
|                      | Penulangan Tangga Bagian Bawah       | Pembesian X        | +     | Pembesian Y | +     | Anak Tangga (Segitiga) | +                 | Anak Tangga (Memanjang) | =      | 70,96  |        |  |
|                      |                                      |                    | 15,83 | +           | 16,38 | +                      | 32,08             | +                       | 6,66   |        |        |  |
|                      | Penulangan Tangga                    | Bagian Bawah       | +     | Bagian Atas |       |                        |                   |                         |        |        |        |  |
|                      |                                      |                    | 96,87 | +           | 70,96 |                        |                   |                         |        |        |        |  |
|                      |                                      |                    |       |             |       |                        |                   | Jumlah Total            | =      | 167,82 |        |  |
|                      |                                      |                    |       |             |       |                        |                   |                         |        | 167,82 |        |  |
|                      | P                                    |                    |       |             |       | x                      | Q                 |                         |        | =      | 44,20  |  |
|                      | Railing Tangga                       | 4,10               |       |             |       | x                      | 1,00              | =                       | 4,10   |        |        |  |
|                      |                                      | 3,30               |       |             |       | x                      | 1,00              | =                       | 3,30   |        |        |  |
| Bagian Latei Selasar |                                      | 2,75               |       |             |       | x                      | 1,00              | =                       | 2,75   |        |        |  |
|                      |                                      | 2,55               |       |             |       | x                      | 6,00              | =                       | 15,30  |        |        |  |
|                      |                                      | 3,20               |       |             |       | x                      | 1,00              | =                       | 3,20   |        |        |  |
|                      |                                      | 1,75               |       |             |       | x                      | 1,00              | =                       | 1,75   |        |        |  |
|                      |                                      | 2,60               |       |             |       | x                      | 1,00              | =                       | 2,60   |        |        |  |
|                      |                                      | 1,85               |       |             |       | x                      | 1,00              | =                       | 1,85   |        |        |  |
|                      |                                      | 3,30               |       |             |       | x                      | 1,00              | =                       | 3,30   |        |        |  |
|                      |                                      | 2,85               |       |             |       | x                      | 1,00              | =                       | 2,85   |        |        |  |
|                      |                                      | 1,60               |       |             |       | x                      | 2,00              | =                       | 3,20   |        |        |  |
|                      |                                      |                    |       |             |       |                        | Jumlah Total      | =                       | 44,20  |        |        |  |
| E                    | PEKERJAAN DINDING                    |                    |       |             |       |                        |                   |                         |        |        |        |  |
| 1                    | Pek. Pasang Dinding Bata Ringan      | P                  |       | x           | T     | x                      | Q                 |                         |        | =      | 175,07 |  |
|                      | R. kelas                             |                    |       |             |       |                        |                   |                         |        |        |        |  |
|                      | Arah x                               | 2,65               |       | x           | 3,70  | x                      | 2,00              | =                       | 19,61  |        |        |  |
|                      |                                      | 1,65               |       | x           | 3,70  | x                      | 2,00              | =                       | 12,21  |        |        |  |
|                      |                                      | 3,10               |       | x           | 3,70  | x                      | 2,00              | =                       | 22,94  |        |        |  |
|                      |                                      | 3,20               |       | x           | 3,70  | x                      | 2,00              | =                       | 23,68  |        |        |  |
|                      |                                      | 1,75               |       | x           | 3,70  | x                      | 2,00              | =                       | 12,95  |        |        |  |
|                      |                                      | 2,45               |       | x           | 3,70  | x                      | 2,00              | =                       | 18,13  |        |        |  |
|                      | Arah y                               | 3,10               |       | x           | 3,70  | x                      | 2,00              | =                       | 22,94  |        |        |  |
|                      | Area Tangga                          |                    |       |             |       |                        |                   |                         |        |        |        |  |
|                      | Arah y                               | 3,10               |       | x           | 3,70  | x                      | 2,00              | =                       | 22,94  |        |        |  |
|                      | Area Toilet Bawah                    |                    |       |             |       |                        |                   |                         |        |        |        |  |
|                      | Arah x                               | 1,25               |       | x           | 2,10  | x                      | 4,00              | =                       | 10,50  |        |        |  |
|                      |                                      | 1,35               |       | x           | 2,10  | x                      | 2,00              | =                       | 5,67   |        |        |  |
|                      | Arah y                               | 1,70               |       | x           | 2,10  | x                      | 2,00              | =                       | 7,14   |        |        |  |
|                      |                                      | 1,85               |       | x           | 2,10  | x                      | 1,00              | =                       | 3,89   |        |        |  |

| NO. | URAIAN PEKERJAAN                      | URAIAN PERHITUNGAN |  |           |      |            |              |                   |        | VOLUME | SAT.   |    |
|-----|---------------------------------------|--------------------|--|-----------|------|------------|--------------|-------------------|--------|--------|--------|----|
|     |                                       | Panjang (P)        |  | Lebar (L) |      | Tinggi (T) |              | Banyak Luasan (Q) |        | Total  |        |    |
| 1   | 2                                     | 3                  |  | 4         |      | 5          |              | 6                 |        | 7      | 8      | 9  |
|     | Area Toilet Bordes                    |                    |  |           |      |            |              |                   |        |        |        |    |
|     | Arah x                                | 1,25               |  | x         | 1,30 | x          | 2,00         | =                 | 3,25   |        |        |    |
|     | Arah y                                | 1,70               |  | x         | 1,30 | x          | 2,00         | =                 | 4,42   |        |        |    |
|     |                                       | 1,25               |  | x         | 1,30 | x          | 2,00         | =                 | 3,25   |        |        |    |
|     | Railing Tangga                        |                    |  |           |      |            |              |                   |        |        |        |    |
|     | Luasan 1                              | 4,10               |  | x         | 1,10 | x          | 1,00         | =                 | 4,51   |        |        |    |
|     | Luasan 2                              | 3,30               |  | x         | 1,10 | x          | 1,00         | =                 | 3,63   |        |        |    |
|     | Bagian Latei Selasar                  |                    |  |           |      |            |              |                   |        |        |        |    |
|     |                                       | 2,75               |  | x         | 0,20 | x          | 1,00         | =                 | 0,55   |        |        |    |
|     |                                       | 2,55               |  | x         | 0,20 | x          | 6,00         | =                 | 3,06   |        |        |    |
|     |                                       | 3,20               |  | x         | 0,20 | x          | 1,00         | =                 | 0,64   |        |        |    |
|     |                                       | 1,75               |  | x         | 0,20 | x          | 1,00         | =                 | 0,35   |        |        |    |
|     |                                       | 2,60               |  | x         | 0,20 | x          | 1,00         | =                 | 0,52   |        |        |    |
|     |                                       | 1,85               |  | x         | 0,20 | x          | 1,00         | =                 | 0,37   |        |        |    |
|     |                                       | 3,30               |  | x         | 0,20 | x          | 1,00         | =                 | 0,66   |        |        |    |
|     |                                       | 2,85               |  | x         | 0,20 | x          | 1,00         | =                 | 0,57   |        |        |    |
|     |                                       | 1,60               |  | x         | 0,20 | x          | 2,00         | =                 | 0,64   |        |        |    |
|     | Pengurangan Pintu DII                 |                    |  |           |      |            |              |                   |        |        |        |    |
|     | Pintu R. Kelas                        | 1,32               |  | x         | 2,60 | x          | 2,00         | =                 | -6,86  |        |        |    |
|     | J2                                    | 1,50               |  | x         | 1,45 | x          | 2,00         | =                 | -4,35  |        |        |    |
|     | J3                                    | 2,14               |  | x         | 1,45 | x          | 6,00         | =                 | -18,62 |        |        |    |
|     | Pintu Toilet                          | 0,80               |  | x         | 2,05 | x          | 2,00         | =                 | -3,28  |        |        |    |
|     | Rooster                               | 1,04               |  | x         | 0,40 | x          | 2,00         | =                 | -0,83  |        |        |    |
|     |                                       |                    |  |           |      |            | Jumlah Total | =                 | 175,07 |        |        |    |
| 2   | Pek. Pasang Rooster                   | P                  |  | x         | T    | x          | Q            |                   |        | =      | 0,83   | M2 |
|     | Rooster                               | 1,04               |  | x         | 0,40 | x          | 2,00         | =                 | 0,83   |        |        |    |
|     |                                       |                    |  |           |      |            | Jumlah Total | =                 | 0,83   |        |        |    |
| 3   | Pek. Plesteran                        |                    |  |           |      |            |              |                   |        | =      | 395,96 | M2 |
|     | Bagian Dalam                          |                    |  |           |      |            |              |                   |        |        |        |    |
|     | R. kelas                              |                    |  |           |      |            |              |                   |        |        |        |    |
|     | Arah x                                | 8,35               |  | x         | 3,70 | x          | 2,00         | =                 | 61,79  |        |        |    |
|     |                                       | 8,35               |  | x         | 3,70 | x          | 2,00         | =                 | 61,79  |        |        |    |
|     | Arah y                                | 6,95               |  | x         | 3,70 | x          | 3,00         | =                 | 77,15  |        |        |    |
|     | Toilet                                |                    |  |           |      |            |              |                   |        |        |        |    |
|     | Arah x                                | 1,35               |  | x         | 0,90 | x          | 4,00         | =                 | 4,86   |        |        |    |
|     | Arah y                                | 1,85               |  | x         | 0,90 | x          | 4,00         | =                 | 6,66   |        |        |    |
|     | Bagian Luar                           |                    |  |           |      |            |              |                   |        |        |        |    |
|     | R. Kelas                              |                    |  |           |      |            |              |                   |        |        |        |    |
|     | Depan                                 | 17,00              |  | x         | 3,70 | x          | 1,00         | =                 | 62,90  |        |        |    |
|     | Belakang                              | 20,00              |  | x         | 4,60 | x          | 1,00         | =                 | 92,00  |        |        |    |
|     | Samping                               | 7,55               |  | x         | 4,60 | x          | 1,00         | =                 | 34,73  |        |        |    |
|     | Tangga                                | 5,25               |  | x         | 3,70 | x          | 2,00         | =                 | 38,85  |        |        |    |
|     | Depan WC                              | 2,20               |  | x         | 2,10 | x          | 1,00         | =                 | 4,62   |        |        |    |
|     | Railing Tangga                        |                    |  |           |      |            |              |                   |        |        |        |    |
|     | Luasan 1                              | 4,10               |  | x         | 1,25 | x          | 2,00         | =                 | 10,25  |        |        |    |
|     | Luasan 2                              | 3,30               |  | x         | 1,25 | x          | 2,00         | =                 | 8,25   |        |        |    |
|     | Pengurangan                           |                    |  |           |      |            |              |                   |        |        |        |    |
|     | Pintu R. Kelas                        | 1,32               |  | x         | 2,60 | x          | 4,00         | =                 | -13,73 |        |        |    |
|     | J2                                    | 1,50               |  | x         | 1,45 | x          | 4,00         | =                 | -8,70  |        |        |    |
|     | J3                                    | 2,14               |  | x         | 1,45 | x          | 12,00        | =                 | -37,24 |        |        |    |
|     | Pintu Toilet                          | 0,80               |  | x         | 2,05 | x          | 4,00         | =                 | -6,56  |        |        |    |
|     | Rooster                               | 1,04               |  | x         | 0,40 | x          | 4,00         | =                 | -1,66  |        |        |    |
|     |                                       |                    |  |           |      |            | Jumlah Total | =                 | 395,96 |        |        |    |
| 4   | Pek. Acian                            |                    |  |           |      |            |              |                   |        | =      | 395,96 | M2 |
| F   | PEKERJAAN KUSEN, PINTU DAN TERALIS    |                    |  |           |      |            |              |                   |        |        |        |    |
| 1   | Pek. Kusen Pintu dan Jendela Uk. 5/10 | P                  |  |           |      | x          | Q            |                   |        | =      | 110,30 | M' |
|     | Pintu R. Kelas                        | 8,05               |  |           |      | x          | 2,00         | =                 | 16,10  |        |        |    |
|     | J2                                    | 8,25               |  |           |      | x          | 2,00         | =                 | 16,50  |        |        |    |
|     | J3                                    | 11,35              |  |           |      | x          | 6,00         | =                 | 68,10  |        |        |    |
|     | Pintu WC                              | 4,80               |  |           |      | x          | 2,00         | =                 | 9,60   |        |        |    |
|     |                                       |                    |  |           |      |            | Jumlah Total | =                 | 110,30 |        |        |    |
| 2   | Pek. Pintu Kayu Benuas                |                    |  | L         | T    | x          | Q            |                   |        | =      | 7,72   | M2 |
|     | Pintu R. Kelas                        |                    |  | 0,60      | 2,05 | x          | 4,00         | =                 | 4,92   |        |        |    |
|     | Pintu WC                              |                    |  | 0,70      | 2,00 | x          | 2,00         | =                 | 2,80   |        |        |    |
|     |                                       |                    |  |           |      |            | Jumlah Total | =                 | 7,72   |        |        |    |
| 3   | Pek. Daun Jendela                     |                    |  | L         | T    | x          | Q            |                   |        | =      | 8,84   | M2 |
|     | J2                                    |                    |  | 0,65      | 0,85 | x          | 4,00         | =                 | 2,21   |        |        |    |
|     | J3                                    |                    |  | 0,65      | 0,85 | x          | 12,00        | =                 | 6,63   |        |        |    |
|     |                                       |                    |  |           |      |            | Jumlah Total | =                 | 8,84   |        |        |    |

| NO. | URAIAN PEKERJAAN                           | URAIAN PERHITUNGAN |   |              |   |            |   | VOLUME            | SAT.  |        |    |
|-----|--------------------------------------------|--------------------|---|--------------|---|------------|---|-------------------|-------|--------|----|
|     |                                            | Panjang (P)        |   | Lebar (L)    |   | Tinggi (T) |   | Banyak Luasan (Q) | Total |        |    |
| 1   | 2                                          | 3                  |   | 4            |   | 5          |   | 6                 | 7     | 8      | 9  |
| 4   | Pek. Pemasangan Kaca 5 mm                  |                    |   | L            | x | T          | x | Q                 | =     |        |    |
|     | Pintu R. Kelas                             |                    |   | 0,60         | x | 0,45       | x | 4,00              | =     | 1,08   |    |
|     | J2                                         |                    |   |              |   |            |   |                   |       |        |    |
|     | Bagian Atas (Mati)                         |                    |   | 0,65         | x | 0,45       | x | 4,00              | =     | 1,17   |    |
|     | Bagian Bawah (Hidup)                       |                    |   | 0,50         | x | 0,65       | x | 4,00              | =     | 1,30   |    |
|     | J3                                         |                    |   |              |   |            |   |                   |       |        |    |
|     | Bagian Atas (Mati)                         |                    |   | 0,65         | x | 0,45       | x | 12,00             | =     | 3,51   |    |
|     |                                            |                    |   | 0,55         | x | 0,45       | x | 6,00              | =     | 1,49   |    |
|     | Bagian Bawah (Hidup)                       |                    |   | 0,50         | x | 0,65       | x | 12,00             | =     | 3,90   |    |
|     | Bagian Bawah (Mati)                        |                    |   | 0,55         | x | 0,85       | x | 6,00              | =     | 2,81   |    |
|     |                                            |                    |   |              |   |            |   | Jumlah Total      | =     | 15,25  |    |
| 5   | Pek. Pasang Handle Pintu Set Kunci         |                    |   |              |   |            |   |                   | =     | 4,00   | Bh |
| 6   | Pek. Pasang Engsel Pintu 5"                | Jlh. Pintu         | x | Jlh. Engsel  |   |            |   |                   | =     | 18,00  | Bh |
|     | Pintu Utama                                | 4,00               | x | 3,00         |   |            |   |                   | =     | 12,00  |    |
|     | Pintu Toilet                               | 2,00               | x | 3,00         |   |            |   |                   | =     | 6,00   |    |
|     |                                            |                    |   |              |   |            |   | Jumlah Total      | =     | 18,00  |    |
| 7   | Pek. Engsel Jendela                        | Jlh. Jendela       | x | Jlh. Engsel  |   |            |   |                   | =     | 32,00  | Bh |
|     | J2                                         | 4,00               | x | 2,00         |   |            |   |                   | =     | 8,00   |    |
|     | J3                                         | 12,00              | x | 2,00         |   |            |   |                   | =     | 24,00  |    |
|     |                                            |                    |   |              |   |            |   | Jumlah Total      | =     | 32,00  |    |
| 8   | Pek. Kait Angin                            | Jlh. Jendela       | x | Jlh. Kait    |   |            |   |                   | =     | 32,00  | Bh |
|     | J2                                         | 4,00               | x | 2,00         |   |            |   |                   | =     | 8,00   |    |
|     | J3                                         | 12,00              | x | 2,00         |   |            |   |                   | =     | 24,00  |    |
|     |                                            |                    |   |              |   |            |   | Jumlah Total      | =     | 32,00  |    |
| 9   | Pek. Pemasangan Grendel Jendela            |                    |   |              |   |            |   |                   | =     | 16,00  | Bh |
| 10  | Pek. Pemasangan Grendel Pintu              | Jlh. Pintu         | x | Jlh. Grendel |   |            |   |                   | =     | 6,00   | Bh |
|     | Pintu Utama                                | 4,00               | x | 1,00         |   |            |   |                   | =     | 4,00   |    |
|     | Pintu Toilet                               | 2,00               | x | 1,00         |   |            |   |                   | =     | 2,00   |    |
|     |                                            |                    |   |              |   |            |   | Jumlah Total      | =     | 6,00   |    |
| 11  | Pek. Pembuatan dan Pemasangan Hand Railing | P                  |   |              |   |            | x | Q                 |       |        |    |
|     |                                            | 4,15               |   |              |   |            | x | 2,00              | =     | 8,30   |    |
|     |                                            | 3,30               |   |              |   |            | x | 2,00              | =     | 6,60   |    |
|     |                                            |                    |   |              |   |            |   | Jumlah Total      | =     | 14,90  | M' |
| 12  | Pek. Pembuatan dan Pemasangan Teralis      | P                  | x | L            |   |            | x | Q                 |       |        |    |
|     | J2                                         | 1,50               | x | 1,45         |   |            | x | 16,00             | =     | 34,80  |    |
|     | J3                                         | 2,10               | x | 1,45         |   |            | x | 2,00              | =     | 6,09   |    |
|     |                                            |                    |   |              |   |            |   | Jumlah Total      | =     | 40,89  |    |
| G   | PEKERJAAN LANTAI                           |                    |   |              |   |            |   |                   |       |        |    |
| 1   | Pek. Cor Beton Tumbuk Lantai               | P                  | x | L            | x | T          | x | Q                 |       |        |    |
|     | Bagian Dalam R. Kelas                      | 8,25               | x | 6,85         | x | 0,07       | x | 1,00              | =     | 3,96   |    |
|     |                                            | 8,20               | x | 6,85         | x | 0,07       | x | 1,00              | =     | 3,93   |    |
|     | WC                                         | 1,30               | x | 1,80         | x | 0,07       | x | 2,00              | =     | 0,33   |    |
|     | Tangga                                     | 2,75               | x | 3,30         | x | 0,07       | x | 1,00              | =     | 0,64   |    |
|     |                                            | 2,75               | x | 1,35         | x | 0,07       | x | 1,00              | =     | 0,26   |    |
|     | Selasar                                    | 8,25               | x | 1,70         | x | 0,07       | x | 1,00              | =     | 0,98   |    |
|     |                                            | 8,20               | x | 1,70         | x | 0,07       | x | 1,00              | =     | 0,98   |    |
|     |                                            | 2,75               | x | 1,70         | x | 0,07       | x | 1,00              | =     | 0,33   |    |
|     | Penghubung Gedung                          | 3,30               | x | 1,60         | x | 0,07       | x | 1,00              | =     | 0,37   |    |
|     |                                            | 3,20               | x | 1,60         | x | 0,07       | x | 1,00              | =     | 0,36   |    |
|     |                                            | 1,75               | x | 1,60         | x | 0,07       | x | 1,00              | =     | 0,20   |    |
|     |                                            | 3,30               | x | 1,15         | x | 0,07       | x | 1,00              | =     | 0,27   |    |
|     |                                            | 3,20               | x | 1,15         | x | 0,07       | x | 1,00              | =     | 0,26   |    |
|     |                                            | 1,75               | x | 1,15         | x | 0,07       | x | 1,00              | =     | 0,14   |    |
|     |                                            |                    |   |              |   |            |   | Jumlah Total      | =     | 12,98  |    |
| 2   | Pek. Pasang Keramik 60x60                  | P                  | x | L            |   |            | x | Q                 |       |        |    |
|     | R. Kelas                                   | 8,35               | x | 6,95         |   |            | x | 1,00              | =     | 58,03  |    |
|     |                                            | 8,30               | x | 6,95         |   |            | x | 1,00              | =     | 57,69  |    |
|     | Bagian Tangga                              | 2,85               | x | 5,10         |   |            | x | 1,00              | =     | 14,54  |    |
|     | Selasar                                    | 37,20              | x | 2,00         |   |            | x | 1,00              | =     | 74,40  |    |
|     | Anak Tangga                                | 1,20               | x | 0,30         |   |            | x | 19,00             | =     | 6,84   |    |
|     |                                            | 1,20               | x | 0,15         |   |            | x | 19,00             | =     | 3,42   |    |
|     | Bordes                                     | 2,85               | x | 1,40         |   |            | x | 1,00              | =     | 3,99   |    |
|     |                                            |                    |   |              |   |            |   | Jumlah Total      | =     | 218,90 |    |
| 3   | Pek. Pasang Plint Keramik 8x60             | P                  | + | L            |   |            | x | Q                 |       |        |    |
|     | R. Kelas                                   | 8,35               | + | 6,95         |   |            | x | 2,00              | =     | 30,60  |    |
|     |                                            | 8,30               | + | 6,95         |   |            | x | 2,00              | =     | 30,50  |    |
|     | Selasar                                    | 34,30              | + | 5,25         |   |            | x | 1,00              | =     | 39,55  |    |
|     |                                            | 2,85               | + | 5,25         |   |            | x | 1,00              | =     | 8,10   |    |
|     | Pengurangan                                |                    |   |              |   |            |   |                   |       |        |    |
|     | Pintu R. Kelas                             | 1,30               |   |              |   |            | x | 4,00              | =     | -5,20  |    |
|     | Pintu Toilet                               | 0,80               |   |              |   |            | x | 2,00              | =     | -1,60  |    |
|     |                                            |                    |   |              |   |            |   | Jumlah Total      | =     | 101,95 |    |
| 4   | Pek. Pasang Keramik 25x25 Kasar            | P                  | x | L            |   |            | x | Q                 |       |        |    |
|     | WC                                         | 1,85               | x | 1,35         |   |            | x | 2,00              | =     | 5,00   |    |
|     | Pengurangan                                |                    |   |              |   |            |   |                   |       |        |    |
|     | Kloset dan Bak                             | 0,70               | x | 1,35         |   |            | x | 2,00              | =     | -1,89  |    |
|     |                                            |                    |   |              |   |            |   | Jumlah Total      | =     | 3,11   |    |

| NO. | URAIAN PEKERJAAN                                             | URAIAN PERHITUNGAN |   |           |            |                   |              | VOLUME | SAT.   |       |
|-----|--------------------------------------------------------------|--------------------|---|-----------|------------|-------------------|--------------|--------|--------|-------|
|     |                                                              | Panjang (P)        |   | Lebar (L) | Tinggi (T) | Banyak Luasan (Q) |              |        |        | Total |
| 1   | 2                                                            | 3                  |   | 4         | 5          | 6                 |              | 7      | 8      | 9     |
| 5   | Pek. Pasang Keramik Dinding 25x40 WC                         | P                  | x | L         |            | x                 | Q            | =      | 13,44  | M2    |
|     |                                                              | 1,85               | x | 1,20      |            | x                 | 4,00         | =      | 8,88   |       |
|     |                                                              | 1,35               | x | 1,20      |            | x                 | 4,00         | =      | 6,48   |       |
|     | Pengurangan Pintu Toilet                                     | 0,80               | x | 1,20      |            | x                 | 2,00         | =      | -1,92  |       |
|     |                                                              |                    |   |           |            |                   | Jumlah Total | =      | 13,44  |       |
| 6   | Pek. Acian Kasar Lantai                                      | P                  | x | L         |            | x                 | Q            | =      | 36,90  | M2    |
|     |                                                              | 12,30              | x | 3,00      |            | x                 | 1,00         | =      | 36,90  |       |
|     |                                                              |                    |   |           |            |                   | Jumlah Total | =      | 36,90  |       |
| H   | PEKERJAAN PLAFOND                                            |                    |   |           |            |                   |              |        |        |       |
| 1   | Pek. Rangka Plafond Hollow                                   | P                  | x | L         |            | x                 | Q            | =      | 299,70 | M2    |
|     | R, Kelas Lama                                                | 8,30               | x | 6,95      |            | x                 | 1,00         | =      | 57,69  |       |
|     |                                                              | 8,35               | x | 6,95      |            | x                 | 1,00         | =      | 58,03  |       |
|     | R, Kelas Baru                                                | 8,35               | x | 6,95      |            | x                 | 1,00         | =      | 58,03  |       |
|     |                                                              | 8,30               | x | 6,95      |            | x                 | 1,00         | =      | 57,69  |       |
|     | Selasar                                                      | 36,90              | x | 1,85      |            | x                 | 1,00         | =      | 68,27  |       |
|     |                                                              |                    |   |           |            |                   | Jumlah Total | =      | 299,70 |       |
| 2   | Pek. Plafond PVC                                             |                    |   |           |            |                   |              |        | 299,70 | M2    |
| 3   | Pek. List PVC                                                | P                  | + | L         |            | x                 | Q            | =      | 199,70 | M'    |
|     | R, Kelas Lama                                                | 8,30               | + | 6,95      |            | x                 | 2,00         | =      | 30,50  |       |
|     |                                                              | 8,35               | + | 6,95      |            | x                 | 2,00         | =      | 30,60  |       |
|     | R, Kelas Baru                                                | 8,35               | + | 6,95      |            | x                 | 2,00         | =      | 30,60  |       |
|     |                                                              | 8,30               | + | 6,95      |            | x                 | 2,00         | =      | 30,50  |       |
|     | Selasar                                                      | 36,90              | + | 1,85      |            | x                 | 2,00         | =      | 77,50  |       |
|     |                                                              |                    |   |           |            |                   | Jumlah Total | =      | 199,70 |       |
| I   | PEKERJAAN PENGECATAN                                         |                    |   |           |            |                   |              |        |        |       |
| 1   | Pek. Pengecatan Dinding Interior                             | P                  | x | T         |            | x                 | Q            | =      | 196,98 | M2    |
|     | R. Kelas Baru                                                | 8,35               | x | 3,50      |            | x                 | 2,00         | =      | 58,45  |       |
|     |                                                              | 8,30               | x | 3,50      |            | x                 | 2,00         | =      | 58,10  |       |
|     |                                                              | 6,95               | x | 3,50      |            | x                 | 4,00         | =      | 97,30  |       |
|     | WC                                                           | 1,35               | x | 0,90      |            | x                 | 4,00         | =      | 4,86   |       |
|     |                                                              | 1,85               | x | 0,90      |            | x                 | 4,00         | =      | 6,66   |       |
|     | Pengurangan Pintu R. Kelas                                   | 1,32               | x | 2,60      |            | x                 | 2,00         | =      | -6,86  |       |
|     | Pintu Toilet                                                 | 0,80               | x | 0,90      |            | x                 | 2,00         | =      | -1,44  |       |
|     | J2                                                           | 1,50               | x | 1,45      |            | x                 | 6,00         | =      | -13,05 |       |
|     | J3                                                           | 2,14               | x | 1,45      |            | x                 | 2,00         | =      | -6,21  |       |
|     | Rooster                                                      | 1,04               | x | 0,40      |            | x                 | 2,00         | =      | -0,83  |       |
|     |                                                              |                    |   |           |            |                   | Jumlah Total | =      | 196,98 |       |
| 2   | Pek. Pengecatan Dinding Eksterior                            | P                  | x | T         |            | x                 | Q            | =      | 269,21 | M2    |
|     | Depan                                                        | 34,30              | x | 3,60      |            | x                 | 1,00         | =      | 123,48 |       |
|     | Belakang                                                     | 2,20               | x | 3,70      |            | x                 | 4,00         | =      | 32,56  |       |
|     |                                                              | 2,25               | x | 3,70      |            | x                 | 3,00         | =      | 24,98  |       |
|     |                                                              | 2,40               | x | 3,70      |            | x                 | 2,00         | =      | 17,76  |       |
|     |                                                              | 2,80               | x | 3,70      |            | x                 | 1,00         | =      | 10,36  |       |
|     |                                                              | 2,95               | x | 3,70      |            | x                 | 1,00         | =      | 10,92  |       |
|     |                                                              | 1,50               | x | 3,70      |            | x                 | 1,00         | =      | 5,55   |       |
|     | Kanan                                                        | 7,55               | x | 3,70      |            | x                 | 1,00         | =      | 27,94  |       |
|     | Bagian Tangga                                                | 5,25               | x | 3,60      |            | x                 | 2,00         | =      | 37,80  |       |
|     | Depan WC                                                     | 2,85               | x | 2,20      |            | x                 | 1,00         | =      | 6,27   |       |
|     | Pengurangan Pintu R. Kelas                                   | 1,32               | x | 2,60      |            | x                 | 2,00         | =      | -6,86  |       |
|     | Pintu Toilet                                                 | 0,80               | x | 0,90      |            | x                 | 2,00         | =      | -1,44  |       |
|     | J2                                                           | 1,50               | x | 1,45      |            | x                 | 6,00         | =      | -13,05 |       |
|     | J3                                                           | 2,14               | x | 1,45      |            | x                 | 2,00         | =      | -6,21  |       |
|     | Rooster                                                      | 1,04               | x | 0,40      |            | x                 | 2,00         | =      | -0,83  |       |
|     |                                                              |                    |   |           |            |                   | Jumlah Total | =      | 269,21 |       |
| 3   | Pek. Pengecatan Plafond Toilet                               | P                  | x | T         |            | x                 | Q            | =      | 4,68   | M2    |
|     | Toilet                                                       | 1,30               | x | 1,80      |            | x                 | 2,00         | =      | 4,68   |       |
|     |                                                              |                    |   |           |            |                   | Jumlah Total | =      | 4,68   |       |
| 4   | Pek. Pengecatan Kusen dan Pintu                              | P                  | x | T         |            | x                 | Q            | =      | 31,99  | M2    |
|     | Kusen                                                        | 110,30             | x | 0,15      |            | x                 | 1,00         | =      | 16,55  |       |
|     | Pintu R. Kelas                                               | 0,60               |   | 2,05      |            | x                 | 8,00         | =      | 9,84   |       |
|     | Pintu Toilet                                                 | 0,70               |   | 2,00      |            | x                 | 4,00         | =      | 5,60   |       |
|     |                                                              |                    |   |           |            |                   | Jumlah Total | =      | 31,99  |       |
| J   | PEKERJAAN INSTALASI LISTRIK                                  |                    |   |           |            |                   |              |        |        |       |
| 1   | Pek. Pasang Titik Lampu + Instalasinya                       |                    |   |           |            |                   |              |        | 38,00  | Titik |
| 2   | Pek. Pasang Downlight Corong                                 |                    |   |           |            |                   |              |        | 38,00  | Titik |
| 3   | Pek. Pasang Lampu Phillips 9 Watt                            |                    |   |           |            |                   |              |        | 38,00  | Titik |
| 4   | Pek. Pasang Saklar Tunggal + Instalasi                       |                    |   |           |            |                   |              |        | 11,00  | Titik |
| 5   | Pek. Pasang Stopkontak                                       |                    |   |           |            |                   |              |        | 4,00   | Titik |
| 6   | Pek. Pemasangan Daya 5500 Watt                               |                    |   |           |            |                   |              |        | 1,00   | Paket |
| K   | PEKERJAAN INSTALASI SANITASI                                 |                    |   |           |            |                   |              |        |        |       |
| 1   | Pek. Pasang Pipa PVC 3/4" Air Bersih                         |                    |   |           |            |                   |              |        | 12,00  | M'    |
| 2   | Pek. Pasang Pipa PVC 2" Air Kotor                            |                    |   |           |            |                   |              |        | 4,00   | M'    |
| 3   | Pek. Pasang Pipa PVC 4" Closed                               |                    |   |           |            |                   |              |        | 12,00  | M'    |
| 4   | Pek. Pasang Kran 3/4"                                        |                    |   |           |            |                   |              |        | 2,00   | Bh    |
| 5   | Pek. Pasang Toilet Jongkok                                   |                    |   |           |            |                   |              |        | 2,00   | Bh    |
| 6   | Pek. Pasang Bak Mandi Fiber 40 Liter                         |                    |   |           |            |                   |              |        | 2,00   | Bh    |
| 7   | Pek. Pasang Floordrain                                       |                    |   |           |            |                   |              |        | 2,00   | Bh    |
| 8   | Pek. Pemasangan Septiktank Biofill + Instalasi dan Finishing |                    |   |           |            |                   |              |        | 1,00   | Bh    |
| 9   | Pek. Pengeboran + Mesin Pompa + Perlengkapan                 |                    |   |           |            |                   |              |        | 1,00   | Paket |

| NO.                      | URAIAN PEKERJAAN                       | URAIAN PERHITUNGAN |           |            |                   |           | VOLUME                                                             | SAT.                               |                         |    |
|--------------------------|----------------------------------------|--------------------|-----------|------------|-------------------|-----------|--------------------------------------------------------------------|------------------------------------|-------------------------|----|
|                          |                                        | Panjang (P)        | Lebar (L) | Tinggi (T) | Banyak Luasan (Q) | Total     |                                                                    |                                    |                         |    |
| 1                        | 2                                      | 3                  | 4         | 5          | 6                 | 7         | 8                                                                  | 9                                  |                         |    |
| II. PEMBANGUNAN LANTAI 2 |                                        |                    |           |            |                   |           |                                                                    |                                    |                         |    |
| A                        | PEKERJAAN PEMBETONAN                   |                    |           |            |                   |           |                                                                    |                                    |                         |    |
| 1                        | Kolom 35/45                            |                    |           |            |                   |           |                                                                    |                                    |                         |    |
| a                        | Pek. Bekisting KOLOM                   | P<br>0,70          | +<br>0,90 | x<br>x     | T<br>3,40         | x<br>x    | Q<br>34,00<br>Total<br>= 184,96<br>= 92,48<br>Jumlah Total = 92,48 | =<br>= 92,48<br>= 92,48<br>= 92,48 | M2                      |    |
|                          | Bekisting 2 Kali Pakai                 | 184,96             | /         | 2,00       |                   |           |                                                                    |                                    |                         |    |
| b                        | Pek. Pembetonan KOLOM                  | P<br>0,35          | x<br>x    | L<br>0,45  | x<br>x            | T<br>3,40 | x<br>x                                                             | Q<br>34,00<br>Jumlah Total = 18,21 | =<br>= 18,21<br>= 18,21 | M3 |
| c                        | Pembesian KOLOM<br>Besi Diameter 16 mm |                    |           |            |                   |           |                                                                    | = 1948,64                          | Kg                      |    |
|                          | Tulangan Utama                         |                    |           |            |                   |           |                                                                    |                                    |                         |    |
|                          | Panjang                                |                    | = 0,35    | M          |                   |           |                                                                    |                                    |                         |    |
|                          | Lebar                                  |                    | = 0,45    | M          |                   |           |                                                                    |                                    |                         |    |
|                          | Tinggi                                 |                    | = 3,40    | M          |                   |           |                                                                    |                                    |                         |    |
|                          | Jarak Antar Besi (P)                   |                    | = 0,125   | M          |                   |           |                                                                    |                                    |                         |    |
|                          | Jarak Antar Besi (L)                   |                    | = 0,125   | M          |                   |           |                                                                    |                                    |                         |    |
|                          | Jumlah Unit                            |                    | = 8,00    | Bh         |                   |           |                                                                    |                                    |                         |    |
|                          | Selimit Beton                          |                    | = 0,025   | M          |                   |           |                                                                    |                                    |                         |    |
|                          | Ukuran besi                            |                    | = 0,016   | M          |                   |           |                                                                    |                                    |                         |    |
|                          | Total Berat                            |                    | = 1,578   | Kg         |                   |           |                                                                    |                                    |                         |    |
|                          | Panjang Sambungan Balok                |                    | = 0,50    | M'         |                   |           |                                                                    |                                    |                         |    |
|                          | Panjang Sambungan Dengan Kolom         |                    | = 0,64    | M'         |                   |           |                                                                    |                                    |                         |    |
|                          | Tinggi Sloof                           |                    | = 0,00    | M'         |                   |           |                                                                    |                                    |                         |    |
|                          | Total Panjang Memanjang                |                    | = 36,32   | M'         |                   |           |                                                                    |                                    |                         |    |
|                          | Total Berat                            |                    | = 57,31   | Kg         |                   |           |                                                                    |                                    |                         |    |
|                          | Banyak Kolom                           |                    | = 34,00   | Bh         |                   |           |                                                                    |                                    |                         |    |
|                          | Total Berat Tu. Utama Kolom 35/45      |                    | = 1948,64 | Kg         |                   |           |                                                                    |                                    |                         |    |
|                          | Besi Diameter 10 mm                    |                    |           |            |                   |           |                                                                    | = 685,14                           | Kg                      |    |
|                          | Panjang                                |                    | = 0,35    | M          |                   |           |                                                                    |                                    |                         |    |
|                          | Lebar                                  |                    | = 0,45    | M          |                   |           |                                                                    |                                    |                         |    |
|                          | Tinggi                                 |                    | = 3,40    | M          |                   |           |                                                                    |                                    |                         |    |
|                          | Jarak Antar Besi (P)                   |                    | = 0,15    | M          |                   |           |                                                                    |                                    |                         |    |
|                          | Jarak Antar Besi (L)                   |                    | = 0,15    | M          |                   |           |                                                                    |                                    |                         |    |
|                          | Jumlah Unit                            |                    | = 23,00   | Bh         |                   |           |                                                                    |                                    |                         |    |
|                          | Selimit Beton                          |                    | = 0,025   | M          |                   |           |                                                                    |                                    |                         |    |
|                          | Ukuran besi                            |                    | = 0,010   | M          |                   |           |                                                                    |                                    |                         |    |
|                          | Total Berat                            |                    | = 0,617   | Kg         |                   |           |                                                                    |                                    |                         |    |
|                          | Panjang Sengkang /Pcs                  |                    | = 1,42    | M'         |                   |           |                                                                    |                                    |                         |    |
|                          | Total Panjang Memanjang                |                    | = 32,66   | M'         |                   |           |                                                                    |                                    |                         |    |
|                          | Total Berat                            |                    | = 20,15   | Kg         |                   |           |                                                                    |                                    |                         |    |
|                          | Banyak Pondasi                         |                    | = 34,00   | Bh         |                   |           |                                                                    |                                    |                         |    |
|                          | Total Berat Tu. Sengkang kolom 35/45   |                    | = 685,14  | Kg         |                   |           |                                                                    |                                    |                         |    |
| 2                        | Kolom 35/40                            |                    |           |            |                   |           |                                                                    |                                    |                         |    |
| a                        | Pek. Bekisting KOLOM                   | P<br>0,70          | +<br>0,80 | x<br>x     | T<br>3,65         | x<br>x    | Q<br>10,00<br>Total<br>= 54,75<br>= 54,75<br>Jumlah Total = 27,38  | =<br>= 54,75<br>= 54,75<br>= 27,38 | M2                      |    |
|                          | Bekisting 2 Kali Pakai                 | 54,75              | /         | 2,00       |                   |           |                                                                    |                                    |                         |    |
| b                        | Pek. Pembetonan KOLOM                  | P<br>0,35          | x<br>x    | L<br>0,40  | x<br>x            | T<br>3,65 | x<br>x                                                             | Q<br>10,00<br>Jumlah Total = 5,11  | =<br>= 5,11<br>= 5,11   | M3 |
| c                        | Pembesian KOLOM<br>Besi Diameter 16 mm |                    |           |            |                   |           |                                                                    | = 397,82                           | Kg                      |    |
|                          | Tulangan Utama                         |                    |           |            |                   |           |                                                                    |                                    |                         |    |
|                          | Panjang                                |                    | = 0,35    | M          |                   |           |                                                                    |                                    |                         |    |
|                          | Lebar                                  |                    | = 0,40    | M          |                   |           |                                                                    |                                    |                         |    |
|                          | Tinggi                                 |                    | = 3,65    | M          |                   |           |                                                                    |                                    |                         |    |
|                          | Jarak Antar Besi (P)                   |                    | = 0,125   | M          |                   |           |                                                                    |                                    |                         |    |
|                          | Jarak Antar Besi (L)                   |                    | = 0,125   | M          |                   |           |                                                                    |                                    |                         |    |
|                          | Jumlah Unit                            |                    | = 10,00   | Bh         |                   |           |                                                                    |                                    |                         |    |
|                          | Selimit Beton                          |                    | = 0,025   | M          |                   |           |                                                                    |                                    |                         |    |
|                          | Ukuran besi                            |                    | = 0,012   | M          |                   |           |                                                                    |                                    |                         |    |
|                          | Total Berat                            |                    | = 0,888   | Kg         |                   |           |                                                                    |                                    |                         |    |
|                          | Panjang Sambungan Balok                |                    | = 0,35    | M'         |                   |           |                                                                    |                                    |                         |    |
|                          | Panjang Sambungan Dengan Kolom         |                    | = 0,48    | M'         |                   |           |                                                                    |                                    |                         |    |
|                          | Tinggi Sloof                           |                    | = 0,00    | M'         |                   |           |                                                                    |                                    |                         |    |
|                          | Total Panjang Memanjang                |                    | = 44,80   | M'         |                   |           |                                                                    |                                    |                         |    |
|                          | Total Berat                            |                    | = 39,78   | Kg         |                   |           |                                                                    |                                    |                         |    |
|                          | Banyak Kolom                           |                    | = 10,00   | Bh         |                   |           |                                                                    |                                    |                         |    |
|                          | Total Berat Tu. Utama Kolom 35/40      |                    | = 397,82  | Kg         |                   |           |                                                                    |                                    |                         |    |

| NO. | URAIAN PEKERJAAN                     | URAIAN PERHITUNGAN |   |           |    |            |   | VOLUME            | SAT. |       |  |   |   |
|-----|--------------------------------------|--------------------|---|-----------|----|------------|---|-------------------|------|-------|--|---|---|
|     |                                      | Panjang (P)        |   | Lebar (L) |    | Tinggi (T) |   | Banyak Luasan (Q) |      | Total |  |   |   |
| 1   | 2                                    | 3                  |   | 4         |    | 5          |   | 6                 |      | 7     |  | 8 | 9 |
|     | Besi Diameter 10 mm                  |                    |   |           |    |            |   |                   |      |       |  |   |   |
|     | Panjang                              |                    | = | 0,35      | M  |            |   |                   |      |       |  |   |   |
|     | Lebar                                |                    | = | 0,40      | M  |            |   |                   |      |       |  |   |   |
|     | Tinggi                               |                    | = | 3,65      | M  |            |   |                   |      |       |  |   |   |
|     | Jarak Antar Besi (P)                 |                    | = | 0,15      | M  |            |   |                   |      |       |  |   |   |
|     | Jarak Antar Besi (L)                 |                    | = | 0,15      | M  |            |   |                   |      |       |  |   |   |
|     | Jumlah Unit                          |                    | = | 25,00     | Bh |            |   |                   |      |       |  |   |   |
|     | Selimut Beton                        |                    | = | 0,025     | M  |            |   |                   |      |       |  |   |   |
|     | Ukuran besi                          |                    | = | 0,008     | M  |            |   |                   |      |       |  |   |   |
|     | Total Berat                          |                    | = | 0,395     | Kg |            |   |                   |      |       |  |   |   |
|     | Panjang Sengkang /Pcs                |                    | = | 1,32      | M' |            |   |                   |      |       |  |   |   |
|     | Total Panjang Memanjang              |                    | = | 32,90     | M' |            |   |                   |      |       |  |   |   |
|     | Total Berat                          |                    | = | 13,00     | Kg |            |   |                   |      |       |  |   |   |
|     | Banyak Pondasi                       |                    | = | 10,00     | Bh |            |   |                   |      |       |  |   |   |
|     | Total Berat Tu. Sengkang kolom 35/40 |                    | = | 129,96    | Kg |            |   |                   |      |       |  |   |   |
| 3   | Kolom 25/25                          |                    |   |           |    |            |   |                   |      |       |  |   |   |
| a   | Pek. Bekisting KOLOM                 | P                  | + | L         | x  | T          | x | Q                 |      |       |  |   |   |
|     |                                      | 0,50               | + | 0,50      | x  | 3,55       | x | 14,00             | =    | 49,70 |  |   |   |
|     |                                      |                    |   |           |    |            |   | Total             | =    | 49,70 |  |   |   |
|     | Bekisting 2 Kali Pakai               | 49,70              | / | 2,00      |    |            |   |                   | =    | 24,85 |  |   |   |
|     |                                      |                    |   |           |    |            |   | Jumlah Total      | =    | 24,85 |  |   |   |
| b   | Pek. Pembetonan KOLOM                | P                  | x | L         | x  | T          | x | Q                 |      |       |  |   |   |
|     |                                      | 0,25               | x | 0,25      | x  | 3,55       | x | 14,00             | =    | 3,11  |  |   |   |
|     |                                      |                    |   |           |    |            |   | Jumlah Total      | =    | 3,11  |  |   |   |
| c   | Pembesian KOLOM                      |                    |   |           |    |            |   |                   |      |       |  |   |   |
|     | Besi Diameter 16 mm                  |                    |   |           |    |            |   |                   |      |       |  |   |   |
|     | Tulangan Utama                       |                    |   |           |    |            |   |                   |      |       |  |   |   |
|     | Panjang                              |                    | = | 0,25      | M  |            |   |                   |      |       |  |   |   |
|     | Lebar                                |                    | = | 0,25      | M  |            |   |                   |      |       |  |   |   |
|     | Tinggi                               |                    | = | 3,55      | M  |            |   |                   |      |       |  |   |   |
|     | Jarak Antar Besi (P)                 |                    | = | 0,125     | M  |            |   |                   |      |       |  |   |   |
|     | Jarak Antar Besi (L)                 |                    | = | 0,125     | M  |            |   |                   |      |       |  |   |   |
|     | Jumlah Unit                          |                    | = | 4,00      | Bh |            |   |                   |      |       |  |   |   |
|     | Selimut Beton                        |                    | = | 0,025     | M  |            |   |                   |      |       |  |   |   |
|     | Ukuran besi                          |                    | = | 0,016     | M  |            |   |                   |      |       |  |   |   |
|     | Total Berat                          |                    | = | 1,578     | Kg |            |   |                   |      |       |  |   |   |
|     | Panjang Sambungan Balok              |                    | = | 0,35      | M' |            |   |                   |      |       |  |   |   |
|     | Panjang Sambungan Dengan Kolom       |                    | = | 0,64      | M' |            |   |                   |      |       |  |   |   |
|     | Tinggi Sloof                         |                    | = | 0,00      | M' |            |   |                   |      |       |  |   |   |
|     | Total Panjang Memanjang              |                    | = | 18,16     | M' |            |   |                   |      |       |  |   |   |
|     | Total Berat                          |                    | = | 28,66     | Kg |            |   |                   |      |       |  |   |   |
|     | Banyak Kolom                         |                    | = | 14,00     | Bh |            |   |                   |      |       |  |   |   |
|     | Total Berat Tu. Utama Kolom 25/25    |                    | = | 401,19    | Kg |            |   |                   |      |       |  |   |   |
|     | Besi Diameter 10 mm                  |                    |   |           |    |            |   |                   |      |       |  |   |   |
|     | Panjang                              |                    | = | 0,25      | M  |            |   |                   |      |       |  |   |   |
|     | Lebar                                |                    | = | 0,25      | M  |            |   |                   |      |       |  |   |   |
|     | Tinggi                               |                    | = | 3,55      | M  |            |   |                   |      |       |  |   |   |
|     | Jarak Antar Besi (P)                 |                    | = | 0,15      | M  |            |   |                   |      |       |  |   |   |
|     | Jarak Antar Besi (L)                 |                    | = | 0,15      | M  |            |   |                   |      |       |  |   |   |
|     | Jumlah Unit                          |                    | = | 24,00     | Bh |            |   |                   |      |       |  |   |   |
|     | Selimut Beton                        |                    | = | 0,025     | M  |            |   |                   |      |       |  |   |   |
|     | Ukuran besi                          |                    | = | 0,010     | M  |            |   |                   |      |       |  |   |   |
|     | Total Berat                          |                    | = | 0,617     | Kg |            |   |                   |      |       |  |   |   |
|     | Panjang Sengkang /Pcs                |                    | = | 0,82      | M' |            |   |                   |      |       |  |   |   |
|     | Total Panjang Memanjang              |                    | = | 19,68     | M' |            |   |                   |      |       |  |   |   |
|     | Total Berat                          |                    | = | 12,14     | Kg |            |   |                   |      |       |  |   |   |
|     | Banyak Pondasi                       |                    | = | 14,00     | Bh |            |   |                   |      |       |  |   |   |
|     | Total Berat Tu. Sengkang kolom 25/25 |                    | = | 170,00    | Kg |            |   |                   |      |       |  |   |   |
| 4   | Kolom 15/15                          |                    |   |           |    |            |   |                   |      |       |  |   |   |
| a   | Pek. Bekisting KOLOM                 | P                  | + | L         | x  | T          | x | Q                 |      |       |  |   |   |
|     | Area WC                              | 0,10               | + | 0,10      | x  | 1,65       | x | 4,00              | =    | 1,32  |  |   |   |
|     | Railing Tangga                       | 0,10               | + | 0,10      | x  | 1,10       | x | 4,00              | =    | 0,88  |  |   |   |
|     |                                      |                    |   |           |    |            |   | Total             | =    | 2,20  |  |   |   |
|     | Bekisting 2 Kali Pakai               | 2,20               | / | 2,00      |    |            |   |                   | =    | 1,10  |  |   |   |
|     |                                      |                    |   |           |    |            |   | Jumlah Total      | =    | 1,10  |  |   |   |
| b   | Pek. Pembetonan KOLOM                | P                  | x | L         | x  | T          | x | Q                 |      |       |  |   |   |
|     | Area WC                              | 0,10               | x | 0,10      | x  | 1,65       | x | 4,00              | =    | 0,07  |  |   |   |
|     | Railing Tangga                       | 0,10               | x | 0,10      | x  | 1,10       | x | 4,00              | =    | 0,04  |  |   |   |
|     |                                      |                    |   |           |    |            |   | Jumlah Total      | =    | 0,11  |  |   |   |

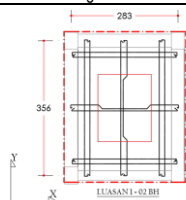
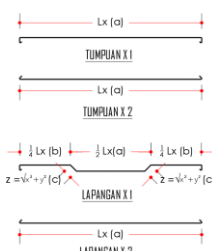
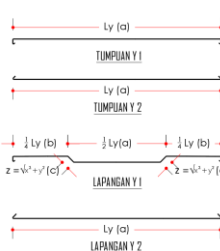
| NO. | URAIAN PEKERJAAN                     | URAIAN PERHITUNGAN |           |              |                   |       | VOLUME | SAT. |
|-----|--------------------------------------|--------------------|-----------|--------------|-------------------|-------|--------|------|
|     |                                      | Panjang (P)        | Lebar (L) | Tinggi (T)   | Banyak Luasan (Q) | Total |        |      |
| 1   | 2                                    | 3                  | 4         | 5            | 6                 | 7     | 8      | 9    |
| c   | Pembesian KOLOM                      |                    |           |              |                   |       |        |      |
|     | Besi Diameter 8 mm                   |                    |           |              |                   |       |        |      |
|     | Tulangan Utama Area WC               |                    |           |              |                   |       |        |      |
|     | Panjang                              | =                  | 0,10      | M            |                   |       |        |      |
|     | Lebar                                | =                  | 0,10      | M            |                   |       |        |      |
|     | Tinggi                               | =                  | 1,65      | M            |                   |       |        |      |
|     | Jarak Antar Besi (P)                 | =                  | 0,125     | M            |                   |       |        |      |
|     | Jarak Antar Besi (L)                 | =                  | 0,125     | M            |                   |       |        |      |
|     | Jumlah Unit                          | =                  | 4,00      | Bh           |                   |       |        |      |
|     | Selimut Beton                        | =                  | 0,025     | M            |                   |       |        |      |
|     | Ukuran besi                          | =                  | 0,080     | M            |                   |       |        |      |
|     | Total Berat                          | =                  | 0,395     | Kg           |                   |       |        |      |
|     | Panjang Sambungan Balok              | =                  | 0,10      | M'           |                   |       |        |      |
|     | Panjang Sambungan Dengan Kolom       | =                  | 0,00      | M'           |                   |       |        |      |
|     | Tinggi Sloof                         | =                  | 0,00      | M'           |                   |       |        |      |
|     | Total Panjang Memanjang              | =                  | 7,00      | M'           |                   |       |        |      |
|     | Total Berat                          | =                  | 2,77      | Kg           |                   |       |        |      |
|     | Banyak Kolom                         | =                  | 4,00      | Bh           |                   |       |        |      |
|     | Total Berat Tu. Utama Kolom 15/15    | =                  | 11,06     | Kg           |                   |       |        |      |
|     | Tulangan Utama Area Railing Tangga   |                    |           |              |                   |       |        |      |
|     | Panjang                              | =                  | 0,10      | M            |                   |       |        |      |
|     | Lebar                                | =                  | 0,10      | M            |                   |       |        |      |
|     | Tinggi                               | =                  | 1,10      | M            |                   |       |        |      |
|     | Jarak Antar Besi (P)                 | =                  | 0,125     | M            |                   |       |        |      |
|     | Jarak Antar Besi (L)                 | =                  | 0,125     | M            |                   |       |        |      |
|     | Jumlah Unit                          | =                  | 4,00      | Bh           |                   |       |        |      |
|     | Selimut Beton                        | =                  | 0,025     | M            |                   |       |        |      |
|     | Ukuran besi                          | =                  | 0,008     | M            |                   |       |        |      |
|     | Total Berat                          | =                  | 0,395     | Kg           |                   |       |        |      |
|     | Panjang Sambungan Balok              | =                  | 0,15      | M'           |                   |       |        |      |
|     | Panjang Sambungan Dengan Kolom       | =                  | 0,00      | M'           |                   |       |        |      |
|     | Tinggi Sloof                         | =                  | 0,00      | M'           |                   |       |        |      |
|     | Total Panjang Memanjang              | =                  | 5,00      | M'           |                   |       |        |      |
|     | Total Berat                          | =                  | 1,98      | Kg           |                   |       |        |      |
|     | Banyak Kolom                         | =                  | 4,00      | Bh           |                   |       |        |      |
|     | Total Berat Tu. Utama Kolom 15/15    | =                  | 7,90      | Kg           |                   |       |        |      |
|     | Jumlah Total                         | Area WC            | +         | Area Railing |                   |       |        |      |
|     |                                      | 11,06              | +         | 7,90         |                   |       |        |      |
|     |                                      |                    |           |              | Jumlah Total      | =     | 18,96  |      |
|     |                                      |                    |           |              |                   | =     | 18,96  |      |
|     | Besi Diameter 6 mm                   |                    |           |              |                   |       |        |      |
|     | Area WC                              |                    |           |              |                   |       |        |      |
|     | Panjang                              | =                  | 0,10      | M            |                   |       |        |      |
|     | Lebar                                | =                  | 0,10      | M            |                   |       |        |      |
|     | Tinggi                               | =                  | 1,65      | M            |                   |       |        |      |
|     | Jarak Antar Besi (P)                 | =                  | 0,15      | M            |                   |       |        |      |
|     | Jarak Antar Besi (L)                 | =                  | 0,15      | M            |                   |       |        |      |
|     | Jumlah Unit                          | =                  | 11,00     | Bh           |                   |       |        |      |
|     | Selimut Beton                        | =                  | 0,025     | M            |                   |       |        |      |
|     | Ukuran besi                          | =                  | 0,006     | M            |                   |       |        |      |
|     | Total Berat                          | =                  | 0,222     | Kg           |                   |       |        |      |
|     | Panjang Sengkang /Pcs                | =                  | 0,21      | M'           |                   |       |        |      |
|     | Total Panjang Memanjang              | =                  | 2,33      | M'           |                   |       |        |      |
|     | Total Berat                          | =                  | 0,52      | Kg           |                   |       |        |      |
|     | Banyak Kolom                         | =                  | 4,00      | Bh           |                   |       |        |      |
|     | Total Berat Tu. Sengkang kolom 15/15 | =                  | 2,07      | Kg           |                   |       |        |      |
|     | Area Railing Tangga                  |                    |           |              |                   |       |        |      |
|     | Panjang                              | =                  | 0,10      | M            |                   |       |        |      |
|     | Lebar                                | =                  | 0,10      | M            |                   |       |        |      |
|     | Tinggi                               | =                  | 1,10      | M            |                   |       |        |      |
|     | Jarak Antar Besi (P)                 | =                  | 0,15      | M            |                   |       |        |      |
|     | Jarak Antar Besi (L)                 | =                  | 0,15      | M            |                   |       |        |      |
|     | Jumlah Unit                          | =                  | 8,00      | Bh           |                   |       |        |      |
|     | Selimut Beton                        | =                  | 0,025     | M            |                   |       |        |      |
|     | Ukuran besi                          | =                  | 0,006     | M            |                   |       |        |      |
|     | Total Berat                          | =                  | 0,222     | Kg           |                   |       |        |      |
|     | Panjang Sengkang /Pcs                | =                  | 0,21      | M'           |                   |       |        |      |
|     | Total Panjang Memanjang              | =                  | 1,70      | M'           |                   |       |        |      |
|     | Total Berat                          | =                  | 0,38      | Kg           |                   |       |        |      |
|     | Banyak Kolom                         | =                  | 4,00      | Bh           |                   |       |        |      |
|     | Total Berat Tu. Sengkang kolom 15/15 | =                  | 1,51      | Kg           |                   |       |        |      |
|     | Jumlah Total                         | Area WC            | +         | Area Railing |                   |       |        |      |
|     |                                      | 2,07               | +         | 1,51         |                   |       |        |      |
|     |                                      |                    |           |              | Jumlah Total      | =     | 3,58   |      |
|     |                                      |                    |           |              | =                 | 3,58  |        |      |

| NO. | URAIAN PEKERJAAN                       | URAIAN PERHITUNGAN |   |           |    |            |                   |              | VOLUME | SAT.   |         |    |
|-----|----------------------------------------|--------------------|---|-----------|----|------------|-------------------|--------------|--------|--------|---------|----|
|     |                                        | Panjang (P)        |   | Lebar (L) |    | Tinggi (T) | Banyak Luasan (Q) |              |        |        | Total   |    |
| 1   | 2                                      | 3                  |   | 4         |    | 5          |                   | 6            |        | 7      | 8       | 9  |
| 5   | Balok 30/50                            |                    |   |           |    |            |                   |              |        |        |         |    |
| a   | Pek. Bekisting Balok                   | Panjang            |   |           |    |            |                   |              |        | =      | 215,95  | M2 |
|     |                                        | 74,60              |   |           |    |            |                   |              |        |        |         |    |
|     |                                        | 9,40               |   |           |    |            |                   |              |        |        |         |    |
|     |                                        | 14,70              |   |           |    |            |                   |              |        |        |         |    |
|     |                                        | 94,50              |   |           |    |            |                   |              |        |        |         |    |
|     |                                        | 3,45               |   |           |    |            |                   |              |        |        |         |    |
|     |                                        | 6,40               |   |           |    |            |                   |              |        |        |         |    |
|     |                                        | 6,80               |   |           |    |            |                   |              |        |        |         |    |
|     | Pengurangan Area Kolom Arah 35 cm      | -12,60             |   |           |    |            |                   |              |        |        |         |    |
|     | Pengurangan Area Kolom Arah 45 cm      | -2,70              |   |           |    |            |                   |              |        |        |         |    |
|     | T. Panjang                             | 194,55             |   |           |    |            |                   |              |        |        |         |    |
|     | P                                      |                    |   |           |    |            |                   |              |        |        |         |    |
|     | Total                                  | 194,55             |   |           |    |            |                   |              |        |        |         |    |
|     |                                        |                    |   |           | x  | T          | x                 | Sisi         |        |        |         |    |
|     |                                        |                    |   |           | x  | 1,11       | x                 | 1,00         | =      | 215,95 |         |    |
|     |                                        |                    |   |           |    |            |                   | Jumlah Total | =      | 215,95 |         |    |
| b   | Pek. Pembetonan Balok                  | P                  | x | L         | x  | T          | x                 | Q            |        | =      | 27,91   | M3 |
|     |                                        | 209,85             | x | 0,35      | x  | 0,38       | x                 | 1,00         | =      | 27,91  |         |    |
|     |                                        |                    |   |           |    |            |                   | Jumlah Total | =      | 27,91  |         |    |
| c   | Pek. Pembesian Balok                   |                    |   |           |    |            |                   |              |        |        |         |    |
|     | Besi Diameter 16 mm                    |                    |   |           |    |            |                   |              |        | =      | 3973,72 | Kg |
|     | Tulangan Utama                         |                    |   |           |    |            |                   |              |        |        |         |    |
|     | Panjang                                | =                  |   | 209,85    | M  |            |                   |              |        |        |         |    |
|     | Lebar                                  | =                  |   | 0,35      | M  |            |                   |              |        |        |         |    |
|     | Tinggi                                 | =                  |   | 0,50      | M  |            |                   |              |        |        |         |    |
|     | Jumlah Besi                            |                    |   |           |    |            |                   |              |        |        |         |    |
|     | Tumpuan                                |                    |   |           |    |            |                   |              |        |        |         |    |
|     | Atas                                   | =                  |   | 5,00      | Bh |            |                   |              |        |        |         |    |
|     | Tengah                                 | =                  |   | 2,00      | Bh |            |                   |              |        |        |         |    |
|     | Bawah                                  | =                  |   | 5,00      | Bh |            |                   |              |        |        |         |    |
|     | Lapangan                               |                    |   |           |    |            |                   |              |        |        |         |    |
|     | Atas                                   | =                  |   | 5,00      | Bh |            |                   |              |        |        |         |    |
|     | Tengah                                 | =                  |   | 2,00      | Bh |            |                   |              |        |        |         |    |
|     | Bawah                                  | =                  |   | 5,00      | Bh |            |                   |              |        |        |         |    |
|     | Selimit Beton                          | =                  |   | 0,025     | M  |            |                   |              |        |        |         |    |
|     | Ukuran besi                            | =                  |   | 0,016     | M  |            |                   |              |        |        |         |    |
|     | Total Berat                            | =                  |   | 1,578     | Kg |            |                   |              |        |        |         |    |
|     | Panjang Tulangan Atas                  | =                  |   | 209,85    | M' |            |                   |              |        |        |         |    |
|     | Panjang Tulangan Tengah Tumpuan        | =                  |   | 209,85    | M' |            |                   |              |        |        |         |    |
|     | Panjang Tulangan Tengah                | =                  |   | 209,85    | M' |            |                   |              |        |        |         |    |
|     | Panjang Tulangan Tengah Lapangan       | =                  |   | 209,85    | M' |            |                   |              |        |        |         |    |
|     | Panjang Tulangan Bawah                 | =                  |   | 209,85    | M' |            |                   |              |        |        |         |    |
|     | Panjang Total Tulangan Atas            | =                  |   | 1049,25   | M' |            |                   |              |        |        |         |    |
|     | Panjang Total Tulangan Tengah Tumpuan  | =                  |   | 419,70    | M' |            |                   |              |        |        |         |    |
|     | Panjang Total Tulangan Tengah          | =                  |   | 0,00      | M' |            |                   |              |        |        |         |    |
|     | Panjang Total Tulangan Tengah Lapangan | =                  |   | 0,00      | M' |            |                   |              |        |        |         |    |
|     | Panjang Total Tulangan Bawah           | =                  |   | 1049,25   | M' |            |                   |              |        |        |         |    |
|     | Panjang Total Keseluruhan              | =                  |   | 2518,20   | M' |            |                   |              |        |        |         |    |
|     | Total Berat Tu. Utama Balok 35/50      | =                  |   | 3973,72   | Kg |            |                   |              |        |        |         |    |
|     | Besi Diameter 10 mm                    |                    |   |           |    |            |                   |              |        | =      | 1570,99 | Kg |
|     | a. Tulangan Utama Tengah               |                    |   |           |    |            |                   |              |        |        |         |    |
|     | Panjang                                | =                  |   | 209,85    | M  |            |                   |              |        |        |         |    |
|     | Lebar                                  | =                  |   | 0,35      | M  |            |                   |              |        |        |         |    |
|     | Tinggi                                 | =                  |   | 0,50      | M  |            |                   |              |        |        |         |    |
|     | Jumlah Besi                            |                    |   |           |    |            |                   |              |        |        |         |    |
|     | Tumpuan                                |                    |   |           |    |            |                   |              |        |        |         |    |
|     | Atas                                   | =                  |   | 0,00      | Bh |            |                   |              |        |        |         |    |
|     | Tengah                                 | =                  |   | 2,00      | Bh |            |                   |              |        |        |         |    |
|     | Bawah                                  | =                  |   | 0,00      | Bh |            |                   |              |        |        |         |    |
|     | Lapangan                               |                    |   |           |    |            |                   |              |        |        |         |    |
|     | Atas                                   | =                  |   | 0,00      | Bh |            |                   |              |        |        |         |    |
|     | Tengah                                 | =                  |   | 2,00      | Bh |            |                   |              |        |        |         |    |
|     | Bawah                                  | =                  |   | 0,00      | Bh |            |                   |              |        |        |         |    |
|     | Selimit Beton                          | =                  |   | 0,025     | M  |            |                   |              |        |        |         |    |
|     | Ukuran besi                            | =                  |   | 0,010     | M  |            |                   |              |        |        |         |    |
|     | Total Berat                            | =                  |   | 0,617     | Kg |            |                   |              |        |        |         |    |
|     | Panjang Tulangan Atas                  | =                  |   | 0,00      | M' |            |                   |              |        |        |         |    |
|     | Panjang Tulangan Tengah Tumpuan        | =                  |   | 0,00      | M' |            |                   |              |        |        |         |    |
|     | Panjang Tulangan Tengah                | =                  |   | 209,85    | M' |            |                   |              |        |        |         |    |
|     | Panjang Tulangan Tengah Lapangan       | =                  |   | 0,00      | M' |            |                   |              |        |        |         |    |
|     | Panjang Tulangan Bawah                 | =                  |   | 0,00      | M' |            |                   |              |        |        |         |    |
|     | Panjang Total Tulangan Atas            | =                  |   | 0,00      | M' |            |                   |              |        |        |         |    |
|     | Panjang Total Tulangan Tengah Tumpuan  | =                  |   | 0,00      | M' |            |                   |              |        |        |         |    |
|     | Panjang Total Tulangan Tengah          | =                  |   | 419,70    | M' |            |                   |              |        |        |         |    |
|     | Panjang Total Tulangan Tengah Lapangan | =                  |   | 0,00      | M' |            |                   |              |        |        |         |    |
|     | Panjang Total Tulangan Bawah           | =                  |   | 0,00      | M' |            |                   |              |        |        |         |    |
|     | Panjang Total Keseluruhan              | =                  |   | 419,70    | M' |            |                   |              |        |        |         |    |
|     | Total Berat Tu. Utama Balok 35/50      | =                  |   | 258,95    | Kg |            |                   |              |        |        |         |    |

| NO. | URAIAN PEKERJAAN                       | URAIAN PERHITUNGAN   |           |               |                   |              |              | VOLUME  | SAT.      |
|-----|----------------------------------------|----------------------|-----------|---------------|-------------------|--------------|--------------|---------|-----------|
|     |                                        | Panjang (P)          | Lebar (L) | Tinggi (T)    | Banyak Luasan (Q) | Total        |              |         |           |
| 1   | 2                                      | 3                    | 4         | 5             | 6                 | 7            | 8            | 9       |           |
| 6   | b. Tulangan Sengkang                   |                      |           |               |                   |              |              |         |           |
|     | Tulangan Sengkang                      |                      |           |               |                   |              |              |         |           |
|     | Panjang                                | =                    | 209,85    | M             |                   |              |              |         |           |
|     | Lebar                                  | =                    | 0,35      | M             |                   |              |              |         |           |
|     | Tinggi                                 | =                    | 0,50      | M             |                   |              |              |         |           |
|     | Jarak Antar Tulangan                   | =                    | 0,15      | M             |                   |              |              |         |           |
|     | Jumlah Unit                            | =                    | 1399,00   | Bh            |                   |              |              |         |           |
|     | Selimit Beton                          | =                    | 0,025     | M             |                   |              |              |         |           |
|     | Ukuran besi                            | =                    | 0,010     | M             |                   |              |              |         |           |
|     | Total Berat                            | =                    | 0,617     | Kg            |                   |              |              |         |           |
|     | Panjang Memanjang                      | =                    | 1,52      | M'            |                   |              |              |         |           |
|     | Total Panjang Memanjang                | =                    | 2126,48   | M'            |                   |              |              |         |           |
|     | Total Berat Tu. Sengkang Balok 35/50   | =                    | 1312,04   | Kg            |                   |              |              |         |           |
|     | Jumlah Total                           | Tul. Utama           | +         | Tul. Sengkang |                   |              |              |         |           |
|     |                                        | 258,95               | +         | 1312,04       |                   |              |              |         |           |
|     |                                        |                      |           |               |                   | Jumlah Total | =            | 1570,99 |           |
|     |                                        |                      |           |               |                   |              | =            | 1570,99 |           |
|     | a                                      | Balok 25/35          |           |               |                   |              |              |         |           |
|     |                                        | Pek. Bekisting Balok | Panjang   |               |                   |              |              | =       | 74,48     |
|     |                                        |                      | x         | 29,55         |                   |              |              |         |           |
|     |                                        |                      |           | 2,65          |                   |              |              |         |           |
|     |                                        |                      |           | 37,20         |                   |              |              |         |           |
|     |                                        |                      |           | 3,30          |                   |              |              |         |           |
|     |                                        |                      | y         | 23,10         |                   |              |              |         |           |
|     |                                        |                      |           | 6,00          |                   |              |              |         |           |
|     |                                        |                      | 6,60      |               |                   |              |              |         |           |
|     | Pengurangan Area Kolom Arah 25 cm      |                      | -3,50     |               |                   |              |              |         |           |
|     | T. Panjang                             |                      | 104,90    |               |                   |              |              |         |           |
|     |                                        | P                    |           | x             | T                 | x            | Sisi         |         |           |
|     | Total                                  | 104,90               |           | x             | 0,71              | x            | 1,00         | = 74,48 |           |
|     |                                        |                      |           | x             |                   |              | Jumlah Total | = 74,48 |           |
| b   | Pek. Pembetonan Balok                  | P                    | x         | L             | x                 | T            | x            | Q       | = 6,23    |
|     |                                        | 108,40               | x         | 0,25          | x                 | 0,23         | x            | 1,00    | = 6,23    |
|     |                                        |                      |           |               |                   |              | Jumlah Total | = 6,23  |           |
| c   | Pek. Pembesian Balok                   |                      |           |               |                   |              |              |         | = 1197,39 |
|     | Besi Diameter 16 mm                    |                      |           |               |                   |              |              |         |           |
|     | Tulangan Utama                         |                      |           |               |                   |              |              |         |           |
|     | Panjang                                | =                    | 108,40    | M             |                   |              |              |         |           |
|     | Lebar                                  | =                    | 0,25      | M             |                   |              |              |         |           |
|     | Tinggi                                 | =                    | 0,35      | M             |                   |              |              |         |           |
|     | Jumlah Besi                            |                      |           |               |                   |              |              |         |           |
|     | Tumpuan                                |                      |           |               |                   |              |              |         |           |
|     | Atas                                   | =                    | 4,00      | Bh            |                   |              |              |         |           |
|     | Tengah                                 | =                    | 0,00      | Bh            |                   |              |              |         |           |
|     | Bawah                                  | =                    | 3,00      | Bh            |                   |              |              |         |           |
|     | Lapangan                               |                      |           |               |                   |              |              |         |           |
|     | Atas                                   | =                    | 4,00      | Bh            |                   |              |              |         |           |
|     | Tengah                                 | =                    | 0,00      | Bh            |                   |              |              |         |           |
|     | Bawah                                  | =                    | 3,00      | Bh            |                   |              |              |         |           |
|     | Selimit Beton                          | =                    | 0,025     | M             |                   |              |              |         |           |
|     | Ukuran besi                            | =                    | 0,016     | M             |                   |              |              |         |           |
|     | Total Berat                            | =                    | 1,578     | Kg            |                   |              |              |         |           |
|     | Panjang Tulangan Atas                  | =                    | 108,40    | M'            |                   |              |              |         |           |
|     | Panjang Tulangan Tengah Tumpuan        | =                    | 108,40    | M'            |                   |              |              |         |           |
|     | Panjang Tulangan Tengah                | =                    | 108,40    | M'            |                   |              |              |         |           |
|     | Panjang Tulangan Tengah Lapangan       | =                    | 108,40    | M'            |                   |              |              |         |           |
|     | Panjang Tulangan Bawah                 | =                    | 108,40    | M'            |                   |              |              |         |           |
|     | Panjang Total Tulangan Atas            | =                    | 433,60    | M'            |                   |              |              |         |           |
|     | Panjang Total Tulangan Tengah Tumpuan  | =                    | 0,00      | M'            |                   |              |              |         |           |
|     | Panjang Total Tulangan Tengah          | =                    | 0,00      | M'            |                   |              |              |         |           |
|     | Panjang Total Tulangan Tengah Lapangan | =                    | 0,00      | M'            |                   |              |              |         |           |
|     | Panjang Total Tulangan Bawah           | =                    | 325,20    | M'            |                   |              |              |         |           |
|     | Panjang Total Keseluruhan              | =                    | 758,80    | M'            |                   |              |              |         |           |
|     | Total Berat Tu. Utama Balok 25/35      | =                    | 1197,39   | Kg            |                   |              |              |         |           |
|     | Besi Diameter 10 mm                    |                      |           |               |                   |              |              | =       | 454,80    |
|     | Tulangan Sengkang                      |                      |           |               |                   |              |              |         | Kg        |
|     | Panjang                                | =                    | 108,40    | M             |                   |              |              |         |           |
|     | Lebar                                  | =                    | 0,25      | M             |                   |              |              |         |           |
|     | Tinggi                                 | =                    | 0,35      | M             |                   |              |              |         |           |
|     | Jarak Antar Tulangan                   | =                    | 0,15      | M             |                   |              |              |         |           |
|     | Jumlah Unit                            | =                    | 722,67    | Bh            |                   |              |              |         |           |
|     | Selimit Beton                          | =                    | 0,025     | M             |                   |              |              |         |           |
|     | Ukuran besi                            | =                    | 0,010     | M             |                   |              |              |         |           |
|     | Total Berat                            | =                    | 0,617     | Kg            |                   |              |              |         |           |
|     | Panjang Memanjang                      | =                    | 1,02      | M'            |                   |              |              |         |           |
|     | Total Panjang Memanjang                | =                    | 737,12    | M'            |                   |              |              |         |           |
|     | Total Berat Tu. Sengkang Balok 25/35   | =                    | 454,80    | Kg            |                   |              |              |         |           |

| NO.    | URAIAN PEKERJAAN      | URAIAN PERHITUNGAN                     |                      |           |       |            |      | VOLUME       | SAT.         |                   |      |        |       |    |
|--------|-----------------------|----------------------------------------|----------------------|-----------|-------|------------|------|--------------|--------------|-------------------|------|--------|-------|----|
|        |                       | Panjang (P)                            |                      | Lebar (L) |       | Tinggi (T) |      |              |              | Banyak Luasan (Q) |      | Total  |       |    |
| 1      | 2                     | 3                                      |                      | 4         |       | 5          |      | 6            |              | 7                 | 8    | 9      |       |    |
| 7<br>a | Balok 20/30           |                                        |                      |           |       |            |      |              |              |                   |      |        |       |    |
|        | Pek. Bekisting Balok  | Panjang                                |                      |           |       |            |      |              |              | =                 | 7,92 | M2     |       |    |
|        |                       | x                                      |                      |           |       |            |      |              |              |                   |      |        |       |    |
|        |                       | 7,95                                   |                      |           |       |            |      |              |              |                   |      |        |       |    |
|        |                       | y                                      |                      |           |       |            |      |              |              |                   |      |        |       |    |
|        |                       | 6,20                                   |                      |           |       |            |      |              |              |                   |      |        |       |    |
|        |                       | T. Panjang                             | 14,15                |           |       |            |      |              |              |                   |      |        |       |    |
|        |                       |                                        | P                    |           |       | x          | T    | x            | Sisi         |                   |      |        |       |    |
|        |                       |                                        | 14,15                |           |       | x          | 0,56 | x            | 1,00         | =                 | 7,92 |        |       |    |
|        |                       | Total                                  |                      |           |       |            |      |              | Jumlah Total | =                 | 7,92 |        |       |    |
| b      | Pek. Pembetonan Balok | P                                      | x                    | L         | x     | T          | x    | Q            |              |                   | =    | 0,51   | M3    |    |
|        |                       | 14,15                                  | x                    | 0,20      | x     | 0,18       | x    | 1,00         | =            | 0,51              |      |        |       |    |
|        |                       |                                        |                      |           |       |            |      | Jumlah Total | =            | 0,51              |      |        |       |    |
| c      | Pek. Pembesian Balok  |                                        |                      |           |       |            |      |              |              |                   |      |        |       |    |
|        | Besi Diameter 12 mm   |                                        |                      |           |       |            |      |              |              |                   | =    | 125,65 | Kg    |    |
|        |                       | Tulangan Utama                         |                      |           |       |            |      |              |              |                   |      |        |       |    |
|        |                       | Panjang                                | =                    | 14,15     | M     |            |      |              |              |                   |      |        |       |    |
|        |                       | Lebar                                  | =                    | 0,20      | M     |            |      |              |              |                   |      |        |       |    |
|        |                       | Tinggi                                 | =                    | 0,30      | M     |            |      |              |              |                   |      |        |       |    |
|        |                       | Jumlah Besi                            |                      |           |       |            |      |              |              |                   |      |        |       |    |
|        |                       | Tumpuan                                |                      |           |       |            |      |              |              |                   |      |        |       |    |
|        |                       | Atas                                   | =                    | 3,00      | Bh    |            |      |              |              |                   |      |        |       |    |
|        |                       | Tengah                                 | =                    | 2,00      | Bh    |            |      |              |              |                   |      |        |       |    |
|        |                       | Bawah                                  | =                    | 2,00      | Bh    |            |      |              |              |                   |      |        |       |    |
|        |                       | Lapangan                               |                      |           |       |            |      |              |              |                   |      |        |       |    |
|        |                       | Atas                                   | =                    | 3,00      | Bh    |            |      |              |              |                   |      |        |       |    |
|        |                       | Tengah                                 | =                    | 2,00      | Bh    |            |      |              |              |                   |      |        |       |    |
|        |                       | Bawah                                  | =                    | 3,00      | Bh    |            |      |              |              |                   |      |        |       |    |
|        |                       | Selimut Beton                          | =                    | 0,025     | M     |            |      |              |              |                   |      |        |       |    |
|        |                       | Ukuran besi                            | =                    | 0,012     | M     |            |      |              |              |                   |      |        |       |    |
|        |                       | Total Berat                            | =                    | 0,888     | Kg    |            |      |              |              |                   |      |        |       |    |
|        |                       | Panjang Tulangan Atas                  | =                    | 14,15     | M'    |            |      |              |              |                   |      |        |       |    |
|        |                       | Panjang Tulangan Tengah Tumpuan        | =                    | 14,15     | M'    |            |      |              |              |                   |      |        |       |    |
|        |                       | Panjang Tulangan Tengah                | =                    | 14,15     | M'    |            |      |              |              |                   |      |        |       |    |
|        |                       | Panjang Tulangan Tengah Lapangan       | =                    | 14,15     | M'    |            |      |              |              |                   |      |        |       |    |
|        |                       | Panjang Tulangan Bawah                 | =                    | 14,15     | M'    |            |      |              |              |                   |      |        |       |    |
|        |                       | Panjang Total Tulangan Atas            | =                    | 42,45     | M'    |            |      |              |              |                   |      |        |       |    |
|        |                       | Panjang Total Tulangan Tengah Tumpuan  | =                    | 28,30     | M'    |            |      |              |              |                   |      |        |       |    |
|        |                       | Panjang Total Tulangan Tengah          | =                    | 0,00      | M'    |            |      |              |              |                   |      |        |       |    |
|        |                       | Panjang Total Tulangan Tengah Lapangan | =                    | 28,30     | M'    |            |      |              |              |                   |      |        |       |    |
|        |                       | Panjang Total Tulangan Bawah           | =                    | 42,45     | M'    |            |      |              |              |                   |      |        |       |    |
|        |                       | Panjang Total Keseluruhan              | =                    | 141,50    | M'    |            |      |              |              |                   |      |        |       |    |
|        |                       | Total Berat Tu. Utama Balok 20/30      | =                    | 125,65    | Kg    |            |      |              |              |                   |      |        |       |    |
|        |                       | Besi Diameter 6 mm                     |                      |           |       |            |      |              |              |                   |      | =      | 17,17 | Kg |
|        |                       |                                        | Tulangan Senggang    |           |       |            |      |              |              |                   |      |        |       |    |
|        |                       |                                        | Panjang              | =         | 14,15 | M          |      |              |              |                   |      |        |       |    |
|        |                       |                                        | Lebar                | =         | 0,20  | M          |      |              |              |                   |      |        |       |    |
|        |                       |                                        | Tinggi               | =         | 0,30  | M          |      |              |              |                   |      |        |       |    |
|        |                       |                                        | Jarak Antar Tulangan | =         | 0,15  | M          |      |              |              |                   |      |        |       |    |
|        |                       |                                        | Jumlah Unit          | =         | 94    | Bh         |      |              |              |                   |      |        |       |    |
|        |                       |                                        | Selimut Beton        | =         | 0,025 | M          |      |              |              |                   |      |        |       |    |
|        |                       |                                        | Ukuran besi          | =         | 0,006 | M          |      |              |              |                   |      |        |       |    |
|        |                       |                                        | Total Berat          | =         | 0,222 | Kg         |      |              |              |                   |      |        |       |    |
|        |                       | Panjang Memanjang                      | =                    | 0,82      | M'    |            |      |              |              |                   |      |        |       |    |
|        |                       | Total Panjang Memanjang                | =                    | 77,35     | M'    |            |      |              |              |                   |      |        |       |    |
|        |                       | Total Berat Tu. Senggang Balok 20/30   | =                    | 17,17     | Kg    |            |      |              |              |                   |      |        |       |    |
| 8<br>a | Balok 15/20           |                                        |                      |           |       |            |      |              |              |                   |      |        |       |    |
|        | Pek. Bekisting Balok  | Panjang                                |                      |           |       |            |      |              |              |                   | =    | 1,43   | M2    |    |
|        |                       | x                                      |                      |           |       |            |      |              |              |                   |      |        |       |    |
|        |                       | 2,80                                   |                      |           |       |            |      |              |              |                   |      |        |       |    |
|        |                       | y                                      |                      |           |       |            |      |              |              |                   |      |        |       |    |
|        |                       | 1,80                                   |                      |           |       |            |      |              |              |                   |      |        |       |    |
|        |                       | T. Panjang                             | 4,60                 |           |       |            |      |              |              |                   |      |        |       |    |
|        |                       |                                        | P                    |           |       | x          | T    | x            | Sisi         |                   |      |        |       |    |
|        |                       |                                        | 4,60                 |           |       | x          | 0,31 | x            | 1,00         | =                 | 1,43 |        |       |    |
|        |                       | Total                                  |                      |           |       |            |      |              | Jumlah Total | =                 | 1,43 |        |       |    |
| b      | Pek. Pembetonan Balok | P                                      | x                    | L         | x     | T          | x    | Q            |              |                   | =    | 0,06   | M3    |    |
|        |                       | 4,60                                   | x                    | 0,15      | x     | 0,08       | x    | 1,00         | =            | 0,06              |      |        |       |    |
|        |                       |                                        |                      |           |       |            |      | Jumlah Total | =            | 0,06              |      |        |       |    |

| NO.                      | URAIAN PEKERJAAN                            | URAIAN PERHITUNGAN   |   |           |    |            |                   |      | VOLUME | SAT.  |        |       |    |
|--------------------------|---------------------------------------------|----------------------|---|-----------|----|------------|-------------------|------|--------|-------|--------|-------|----|
|                          |                                             | Panjang (P)          |   | Lebar (L) |    | Tinggi (T) | Banyak Luasan (Q) |      |        |       | Total  |       |    |
| 1                        | 2                                           | 3                    |   | 4         |    | 5          |                   | 6    |        | 7     | 8      | 9     |    |
| c                        | Pek. Pembesian Balok<br>Besi Diameter 10 mm |                      |   |           |    |            |                   |      |        | =     | 11,35  | Kg    |    |
|                          | Tulangan Utama                              |                      |   |           |    |            |                   |      |        |       |        |       |    |
|                          | Panjang                                     | =                    |   | 4,60      | M  |            |                   |      |        |       |        |       |    |
|                          | Lebar                                       | =                    |   | 0,15      | M  |            |                   |      |        |       |        |       |    |
|                          | Tinggi                                      | =                    |   | 0,20      | M  |            |                   |      |        |       |        |       |    |
|                          | Jumlah Besi                                 |                      |   |           |    |            |                   |      |        |       |        |       |    |
|                          | Tumpuan                                     |                      |   |           |    |            |                   |      |        |       |        |       |    |
|                          | Atas                                        | =                    |   | 2,00      | Bh |            |                   |      |        |       |        |       |    |
|                          | Tengah                                      | =                    |   | 0,00      | Bh |            |                   |      |        |       |        |       |    |
|                          | Bawah                                       | =                    |   | 2,00      | Bh |            |                   |      |        |       |        |       |    |
|                          | Lapangan                                    |                      |   |           |    |            |                   |      |        |       |        |       |    |
|                          | Atas                                        | =                    |   | 2,00      | Bh |            |                   |      |        |       |        |       |    |
|                          | Tengah                                      | =                    |   | 0,00      | Bh |            |                   |      |        |       |        |       |    |
|                          | Bawah                                       | =                    |   | 2,00      | Bh |            |                   |      |        |       |        |       |    |
|                          | Selimit Beton                               | =                    |   | 0,025     | M  |            |                   |      |        |       |        |       |    |
|                          | Ukuran besi                                 | =                    |   | 0,010     | M  |            |                   |      |        |       |        |       |    |
|                          | Total Berat                                 | =                    |   | 0,617     | Kg |            |                   |      |        |       |        |       |    |
|                          | Panjang Tulangan Atas                       | =                    |   | 4,60      | M' |            |                   |      |        |       |        |       |    |
|                          | Panjang Tulangan Tengah Tumpuan             | =                    |   | 4,60      | M' |            |                   |      |        |       |        |       |    |
|                          | Panjang Tulangan Tengah                     | =                    |   | 4,60      | M' |            |                   |      |        |       |        |       |    |
|                          | Panjang Tulangan Tengah Lapangan            | =                    |   | 4,60      | M' |            |                   |      |        |       |        |       |    |
|                          | Panjang Tulangan Bawah                      | =                    |   | 4,60      | M' |            |                   |      |        |       |        |       |    |
|                          | Panjang Total Tulangan Atas                 | =                    |   | 9,20      | M' |            |                   |      |        |       |        |       |    |
|                          | Panjang Total Tulangan Tengah Tumpuan       | =                    |   | 0,00      | M' |            |                   |      |        |       |        |       |    |
|                          | Panjang Total Tulangan Tengah               | =                    |   | 0,00      | M' |            |                   |      |        |       |        |       |    |
|                          | Panjang Total Tulangan Tengah Lapangan      | =                    |   | 0,00      | M' |            |                   |      |        |       |        |       |    |
|                          | Panjang Total Tulangan Bawah                | =                    |   | 9,20      | M' |            |                   |      |        |       |        |       |    |
|                          | Panjang Total Keseluruhan                   | =                    |   | 18,40     | M' |            |                   |      |        |       |        |       |    |
|                          | Total Berat Tu. Utama Balok 15/20           | =                    |   | 11,35     | Kg |            |                   |      |        |       |        |       |    |
|                          | Besi Diameter 6 mm                          |                      |   |           |    |            |                   |      |        |       | =      | 3,54  | Kg |
|                          | Tulangan Sengkang                           |                      |   |           |    |            |                   |      |        |       |        |       |    |
|                          | Panjang                                     | =                    |   | 4,60      | M  |            |                   |      |        |       |        |       |    |
|                          | Lebar                                       | =                    |   | 0,15      | M  |            |                   |      |        |       |        |       |    |
|                          | Tinggi                                      | =                    |   | 0,20      | M  |            |                   |      |        |       |        |       |    |
|                          | Jarak Antar Tulangan                        | =                    |   | 0,15      | M  |            |                   |      |        |       |        |       |    |
|                          | Jumlah Unit                                 | =                    |   | 30,67     | Bh |            |                   |      |        |       |        |       |    |
|                          | Selimit Beton                               | =                    |   | 0,025     | M  |            |                   |      |        |       |        |       |    |
|                          | Ukuran besi                                 | =                    |   | 0,006     | M  |            |                   |      |        |       |        |       |    |
|                          | Total Berat                                 | =                    |   | 0,222     | Kg |            |                   |      |        |       |        |       |    |
|                          | Panjang Memanjang                           | =                    |   | 0,52      | M' |            |                   |      |        |       |        |       |    |
|                          | Total Panjang Memanjang                     | =                    |   | 15,95     | M' |            |                   |      |        |       |        |       |    |
|                          | Total Berat Tu. Sengkang Balok 15/20        | =                    |   | 3,54      | Kg |            |                   |      |        |       |        |       |    |
|                          | 9                                           | Plat Lantai          |   |           |    |            |                   |      |        |       |        |       |    |
| a                        | Pek. Bekisting Plat                         | P                    | x | L         |    | x          | Q                 |      |        | =     | 323,15 | M2    |    |
|                          | Plat Lantai Utama                           |                      |   |           |    |            |                   |      |        |       |        |       |    |
|                          | Luasan 1                                    | 2,45                 | x | 3,25      |    | x          | 2,00              | =    | 15,93  |       |        |       |    |
|                          | Luasan 2                                    | 1,75                 | x | 3,25      |    | x          | 2,00              | =    | 11,38  |       |        |       |    |
|                          | Luasan 3                                    | 3,20                 | x | 3,25      |    | x          | 2,00              | =    | 20,80  |       |        |       |    |
|                          | Luasan 4                                    | 3,10                 | x | 3,25      |    | x          | 2,00              | =    | 20,15  |       |        |       |    |
|                          | Luasan 5                                    | 1,65                 | x | 3,25      |    | x          | 2,00              | =    | 10,73  |       |        |       |    |
|                          | Luasan 6                                    | 2,65                 | x | 3,25      |    | x          | 2,00              | =    | 17,23  |       |        |       |    |
|                          | Luasan 7                                    | 2,50                 | x | 3,25      |    | x          | 2,00              | =    | 16,25  |       |        |       |    |
|                          | Luasan 8                                    | 2,45                 | x | 3,25      |    | x          | 10,00             | =    | 79,63  |       |        |       |    |
|                          | Luasan 9                                    | 2,55                 | x | 1,65      |    | x          | 5,00              | =    | 21,04  |       |        |       |    |
|                          | Luasan 10                                   | 2,60                 | x | 1,65      |    | x          | 1,00              | =    | 4,29   |       |        |       |    |
|                          | Luasan 11                                   | 2,75                 | x | 1,65      |    | x          | 2,00              | =    | 9,08   |       |        |       |    |
|                          | Luasan 12                                   | 1,75                 | x | 1,65      |    | x          | 1,00              | =    | 2,89   |       |        |       |    |
|                          | Luasan 13                                   | 3,20                 | x | 1,65      |    | x          | 1,00              | =    | 5,28   |       |        |       |    |
|                          | Luasan 14                                   | 3,25                 | x | 1,65      |    | x          | 1,00              | =    | 5,36   |       |        |       |    |
|                          | Luasan 15                                   | 1,85                 | x | 1,65      |    | x          | 1,00              | =    | 3,05   |       |        |       |    |
|                          | Luasan 16                                   | 2,55                 | x | 1,65      |    | x          | 1,00              | =    | 4,21   |       |        |       |    |
|                          | Luasan 17                                   | 2,65                 | x | 0,50      |    | x          | 1,00              | =    | 1,33   |       |        |       |    |
|                          | Luasan 18                                   | 1,75                 | x | 1,60      |    | x          | 1,00              | =    | 2,80   |       |        |       |    |
|                          | Luasan 19                                   | 1,75                 | x | 1,20      |    | x          | 1,00              | =    | 2,10   |       |        |       |    |
|                          | Luasan 20                                   | 3,20                 | x | 1,20      |    | x          | 1,00              | =    | 3,84   |       |        |       |    |
|                          | Luasan 21                                   | 3,25                 | x | 1,20      |    | x          | 1,00              | =    | 3,90   |       |        |       |    |
|                          | Luasan 22                                   | 1,70                 | x | 3,20      |    | x          | 1,00              | =    | 5,44   |       |        |       |    |
|                          | Luasan 23                                   | 3,15                 | x | 3,20      |    | x          | 1,00              | =    | 10,08  |       |        |       |    |
|                          | Luasan 24                                   | 3,25                 | x | 3,20      |    | x          | 1,00              | =    | 10,40  |       |        |       |    |
|                          | Luasan 25                                   | 1,70                 | x | 3,40      |    | x          | 1,00              | =    | 5,78   |       |        |       |    |
|                          | Luasan 26                                   | 3,15                 | x | 3,40      |    | x          | 1,00              | =    | 10,71  |       |        |       |    |
|                          | Luasan 27                                   | 3,25                 | x | 3,40      |    | x          | 1,00              | =    | 11,05  |       |        |       |    |
|                          | Area WC                                     | 1,30                 | x | 1,80      |    | x          | 2,00              | =    | 4,68   |       |        |       |    |
|                          | Bordes                                      | 2,80                 | x | 1,35      |    | x          | 1,00              | =    | 3,78   |       |        |       |    |
|                          |                                             |                      |   |           |    |            | Jumlah Total      | =    | 323,15 |       |        |       |    |
|                          | b                                           | Pek. Pembetonan Plat | P | x         | L  | x          | T                 | x    | Q      |       | =      | 51,20 | M3 |
| Luasan 1                 |                                             | 34,30                | x | 7,50      | x  | 0,12       | x                 | 1,00 | =      | 30,87 |        |       |    |
| Luasan 2                 |                                             | 3,00                 | x | 1,45      | x  | 0,12       | x                 | 1,00 | =      | 0,52  |        |       |    |
| Luasan 3                 |                                             | 37,20                | x | 1,85      | x  | 0,12       | x                 | 1,00 | =      | 8,26  |        |       |    |
| Luasan 4                 |                                             | 2,25                 | x | 1,50      | x  | 0,12       | x                 | 1,00 | =      | 0,41  |        |       |    |
| Luasan 5                 |                                             | 9,40                 | x | 1,90      | x  | 0,12       | x                 | 1,00 | =      | 2,14  |        |       |    |
| Luasan 6                 |                                             | 9,35                 | x | 6,80      | x  | 0,12       | x                 | 1,00 | =      | 7,63  |        |       |    |
| Luasan 7 (WC dan Bordes) |                                             | 3,00                 | x | 3,80      | x  | 0,12       | x                 | 1,00 | =      | 1,37  |        |       |    |
|                          |                                             |                      |   |           |    |            | Jumlah Total      | =    | 51,20  |       |        |       |    |

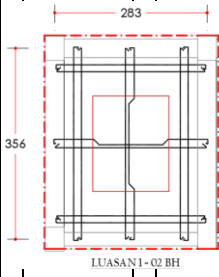
| NO. | URAIAN PEKERJAAN                        | URAIAN PERHITUNGAN                                                                 |           |                                                                                     |                   |       | VOLUME | SAT.    |    |  |  |  |  |
|-----|-----------------------------------------|------------------------------------------------------------------------------------|-----------|-------------------------------------------------------------------------------------|-------------------|-------|--------|---------|----|--|--|--|--|
|     |                                         | Panjang (P)                                                                        | Lebar (L) | Tinggi (T)                                                                          | Banyak Luasan (Q) | Total |        |         |    |  |  |  |  |
| 1   | 2                                       | 3                                                                                  | 4         | 5                                                                                   | 6                 | 7     | 8      | 9       |    |  |  |  |  |
| c   | Pek. Pembesian Plat Besi Diameter 10 mm |                                                                                    |           |                                                                                     |                   |       | =      | 5441,00 | Kg |  |  |  |  |
|     |                                         | Contoh Perhitungan Pembesian Plat Lantai                                           |           |                                                                                     |                   |       |        |         |    |  |  |  |  |
|     |                                         |  |           |                                                                                     |                   |       |        |         |    |  |  |  |  |
|     |                                         | Rumus Perhitungan Plat Lantai Arah X                                               |           | Rumus Perhitungan Plat Lantai Arah Y                                                |                   |       |        |         |    |  |  |  |  |
|     |                                         |   |           |  |                   |       |        |         |    |  |  |  |  |
|     |                                         | Luasan 1 (Arah X)                                                                  |           |                                                                                     |                   |       |        |         |    |  |  |  |  |
|     |                                         | Lx                                                                                 | 2,83      | m                                                                                   |                   |       |        |         |    |  |  |  |  |
|     |                                         | Ly                                                                                 | 3,56      | m                                                                                   |                   |       |        |         |    |  |  |  |  |
|     |                                         | 1. Tumpuan X 1                                                                     |           |                                                                                     |                   |       |        |         |    |  |  |  |  |
|     |                                         | Panjang (a)                                                                        | 2,83      | m                                                                                   |                   |       |        |         |    |  |  |  |  |
|     |                                         | Panjang Total                                                                      | 2,83      | m                                                                                   |                   |       |        |         |    |  |  |  |  |
|     |                                         | Jarak Tulangan                                                                     | 0,20      | m                                                                                   |                   |       |        |         |    |  |  |  |  |
|     |                                         | Ukuran Besi                                                                        | 0,010     | m                                                                                   |                   |       |        |         |    |  |  |  |  |
|     |                                         | Berat Tul                                                                          | 0,617     | Kg/m                                                                                |                   |       |        |         |    |  |  |  |  |
|     |                                         | jumlah besi                                                                        | 9,00      | Bh                                                                                  |                   |       |        |         |    |  |  |  |  |
|     |                                         | Panjang Besi 1 Luasan                                                              | 25,47     | m                                                                                   |                   |       |        |         |    |  |  |  |  |
|     |                                         | Total Luasan                                                                       | 2,00      | Bh                                                                                  |                   |       |        |         |    |  |  |  |  |
|     |                                         | Total Panjang Besi 1 Luasan                                                        | 50,94     | m                                                                                   |                   |       |        |         |    |  |  |  |  |
|     |                                         | Berat Total Besi Tumpuan X 1                                                       | 31,43     | Kg                                                                                  |                   |       |        |         |    |  |  |  |  |
|     |                                         | 2. Tumpuan X 2                                                                     |           |                                                                                     |                   |       |        |         |    |  |  |  |  |
|     |                                         | Panjang (a)                                                                        | 2,83      | m                                                                                   |                   |       |        |         |    |  |  |  |  |
|     |                                         | Panjang Total                                                                      | 2,83      | m                                                                                   |                   |       |        |         |    |  |  |  |  |
|     |                                         | Jarak Tulangan                                                                     | 0,20      | m                                                                                   |                   |       |        |         |    |  |  |  |  |
|     |                                         | Ukuran Besi                                                                        | 0,010     | m                                                                                   |                   |       |        |         |    |  |  |  |  |
|     |                                         | Berat Tul                                                                          | 0,617     | Kg/m                                                                                |                   |       |        |         |    |  |  |  |  |
|     |                                         | jumlah besi                                                                        | 9,00      | Bh                                                                                  |                   |       |        |         |    |  |  |  |  |
|     |                                         | Panjang Besi 1 Luasan                                                              | 25,47     | m                                                                                   |                   |       |        |         |    |  |  |  |  |
|     |                                         | Total Luasan                                                                       | 2,00      | Bh                                                                                  |                   |       |        |         |    |  |  |  |  |
|     |                                         | Total Panjang Besi 1 Luasan                                                        | 50,94     | m                                                                                   |                   |       |        |         |    |  |  |  |  |
|     |                                         | Berat Total Besi Tumpuan X 2                                                       | 31,43     | Kg                                                                                  |                   |       |        |         |    |  |  |  |  |
|     |                                         | 3. Lapangan X 1                                                                    |           |                                                                                     |                   |       |        |         |    |  |  |  |  |
|     |                                         | Panjang (a)                                                                        | 1,42      | m                                                                                   |                   |       |        |         |    |  |  |  |  |
|     |                                         | Panjang (b)                                                                        | 0,71      | m                                                                                   |                   |       |        |         |    |  |  |  |  |
|     |                                         |                                                                                    | 0,71      | m                                                                                   |                   |       |        |         |    |  |  |  |  |
|     |                                         | Panjang (c)                                                                        | 0,11      | m                                                                                   |                   |       |        |         |    |  |  |  |  |
|     |                                         |                                                                                    | 0,11      | m                                                                                   |                   |       |        |         |    |  |  |  |  |
|     |                                         | Panjang Total                                                                      | 3,06      | m                                                                                   |                   |       |        |         |    |  |  |  |  |
|     |                                         | Jarak Tulangan                                                                     | 0,20      | m                                                                                   |                   |       |        |         |    |  |  |  |  |
|     |                                         | Ukuran Besi                                                                        | 0,010     | m                                                                                   |                   |       |        |         |    |  |  |  |  |
|     |                                         | Berat Tul                                                                          | 0,617     | Kg/m                                                                                |                   |       |        |         |    |  |  |  |  |
|     |                                         | jumlah besi                                                                        | 9,00      | Bh                                                                                  |                   |       |        |         |    |  |  |  |  |
|     |                                         | Panjang Besi 1 Luasan                                                              | 27,51     | m                                                                                   |                   |       |        |         |    |  |  |  |  |
|     |                                         | Total Luasan                                                                       | 2,00      | Bh                                                                                  |                   |       |        |         |    |  |  |  |  |
|     |                                         | Total Panjang Besi 1 Luasan                                                        | 55,01     | m                                                                                   |                   |       |        |         |    |  |  |  |  |
|     |                                         | Berat Total Besi lapangan X 1                                                      | 33,94     | Kg                                                                                  |                   |       |        |         |    |  |  |  |  |

| NO.                              | URAIAN PEKERJAAN                 | URAIAN PERHITUNGAN |             |             |                   |              | VOLUME       | SAT.         |        |
|----------------------------------|----------------------------------|--------------------|-------------|-------------|-------------------|--------------|--------------|--------------|--------|
|                                  |                                  | Panjang (P)        | Lebar (L)   | Tinggi (T)  | Banyak Luasan (Q) | Total        |              |              |        |
| 1                                | 2                                | 3                  | 4           | 5           | 6                 | 7            | 8            | 9            |        |
|                                  | 4. Lapangan X 2                  |                    |             |             |                   |              |              |              |        |
|                                  | Panjang (a)                      | 2,83               | m           |             |                   |              |              |              |        |
|                                  | Panjang Total                    | 2,83               | m           |             |                   |              |              |              |        |
|                                  | Jarak Tulangan                   | 0,20               | m           |             |                   |              |              |              |        |
|                                  | Ukuran Besi                      | 0,010              | m           |             |                   |              |              |              |        |
|                                  | Berat Tul                        | 0,617              | Kg/m        |             |                   |              |              |              |        |
|                                  | jumlah besi                      | 9,00               | Bh          |             |                   |              |              |              |        |
|                                  | Panjang Besi 1 Luasan            | 25,47              | m           |             |                   |              |              |              |        |
|                                  | Total Luasan                     | 2,00               | Bh          |             |                   |              |              |              |        |
|                                  | Total Panjang Besi 1 Luasan      | 50,94              | m           |             |                   |              |              |              |        |
|                                  | Berat Total Besi Lapangan X 2    | 31,43              | Kg          |             |                   |              |              |              |        |
|                                  | Total Penulangan Luasan 1 Arah X | Tumpuan X 1        | +           | Tumpuan X 2 | +                 | Lapangan X 1 | +            | Lapangan X 1 | =      |
|                                  |                                  | 31,43              | +           | 31,43       | +                 | 33,94        | +            | 31,43        | 128,23 |
|                                  | Luasan 1 (Arah Y)                |                    |             |             |                   |              |              |              |        |
|                                  | Lx                               | 2,83               | m           |             |                   |              |              |              |        |
|                                  | Ly                               | 3,56               | m           |             |                   |              |              |              |        |
|                                  | 1. Tumpuan Y 1                   |                    |             |             |                   |              |              |              |        |
|                                  | Panjang (a)                      | 3,56               | m           |             |                   |              |              |              |        |
|                                  | Panjang Total                    | 3,56               | m           |             |                   |              |              |              |        |
|                                  | Jarak Tulangan                   | 0,20               | m           |             |                   |              |              |              |        |
|                                  | Ukuran Besi                      | 0,010              | m           |             |                   |              |              |              |        |
|                                  | Berat Tul                        | 0,617              | Kg/m        |             |                   |              |              |              |        |
|                                  | jumlah besi                      | 8,00               | Bh          |             |                   |              |              |              |        |
|                                  | Panjang Besi 1 Luasan            | 28,48              | m           |             |                   |              |              |              |        |
|                                  | Total Luasan                     | 2,00               | Bh          |             |                   |              |              |              |        |
|                                  | Total Panjang Besi 1 Luasan      | 56,96              | m           |             |                   |              |              |              |        |
|                                  | Berat Total Besi Tumpuan Y 1     | 35,14              | Kg          |             |                   |              |              |              |        |
|                                  | 2. Tumpuan Y 2                   |                    |             |             |                   |              |              |              |        |
|                                  | Panjang (a)                      | 3,56               | m           |             |                   |              |              |              |        |
|                                  | Panjang Total                    | 3,56               | m           |             |                   |              |              |              |        |
|                                  | Jarak Tulangan                   | 0,20               | m           |             |                   |              |              |              |        |
|                                  | Ukuran Besi                      | 0,010              | m           |             |                   |              |              |              |        |
|                                  | Berat Tul                        | 0,617              | Kg/m        |             |                   |              |              |              |        |
|                                  | jumlah besi                      | 8,00               | Bh          |             |                   |              |              |              |        |
|                                  | Panjang Besi 1 Luasan            | 28,48              | m           |             |                   |              |              |              |        |
|                                  | Total Luasan                     | 2,00               | Bh          |             |                   |              |              |              |        |
|                                  | Total Panjang Besi 1 Luasan      | 56,96              | m           |             |                   |              |              |              |        |
|                                  | Berat Total Besi Tumpuan Y 2     | 35,14              | Kg          |             |                   |              |              |              |        |
|                                  | 3. Lapangan Y 1                  |                    |             |             |                   |              |              |              |        |
|                                  | Panjang (a)                      | 1,78               | m           |             |                   |              |              |              |        |
|                                  | Panjang (b)                      | 0,89               | m           |             |                   |              |              |              |        |
|                                  |                                  | 0,89               | m           |             |                   |              |              |              |        |
|                                  | Panjang (c)                      | 0,11               | m           |             |                   |              |              |              |        |
|                                  |                                  | 0,11               | m           |             |                   |              |              |              |        |
|                                  | Panjang Total                    | 3,79               | m           |             |                   |              |              |              |        |
|                                  | Jarak Tulangan                   | 0,20               | m           |             |                   |              |              |              |        |
|                                  | Ukuran Besi                      | 0,010              | m           |             |                   |              |              |              |        |
|                                  | Berat Tul                        | 0,617              | Kg/m        |             |                   |              |              |              |        |
|                                  | jumlah besi                      | 8,00               | Bh          |             |                   |              |              |              |        |
|                                  | Panjang Besi 1 Luasan            | 30,29              | m           |             |                   |              |              |              |        |
| Total Luasan                     | 2,00                             | Bh                 |             |             |                   |              |              |              |        |
| Total Panjang Besi 1 Luasan      | 60,58                            | m                  |             |             |                   |              |              |              |        |
| Berat Total Besi lapangan Y 1    | 37,38                            | Kg                 |             |             |                   |              |              |              |        |
| 4. Lapangan Y 2                  |                                  |                    |             |             |                   |              |              |              |        |
| Panjang (a)                      | 3,56                             | m                  |             |             |                   |              |              |              |        |
| Panjang Total                    | 3,56                             | m                  |             |             |                   |              |              |              |        |
| Jarak Tulangan                   | 0,20                             | m                  |             |             |                   |              |              |              |        |
| Ukuran Besi                      | 0,010                            | m                  |             |             |                   |              |              |              |        |
| Berat Tul                        | 0,617                            | Kg/m               |             |             |                   |              |              |              |        |
| jumlah besi                      | 8,00                             | Bh                 |             |             |                   |              |              |              |        |
| Panjang Besi 1 Luasan            | 28,48                            | m                  |             |             |                   |              |              |              |        |
| Total Luasan                     | 2,00                             | Bh                 |             |             |                   |              |              |              |        |
| Total Panjang Besi 1 Luasan      | 56,96                            | m                  |             |             |                   |              |              |              |        |
| Berat Total Besi Lapangan Y 2    | 35,14                            | Kg                 |             |             |                   |              |              |              |        |
| Total Penulangan Luasan 1 Arah Y | Tumpuan Y 1                      | +                  | Tumpuan Y 2 | +           | Lapangan Y 1      | +            | Lapangan Y 2 | =            |        |
|                                  | 35,14                            | +                  | 35,14       | +           | 37,38             | +            | 35,14        | 142,81       |        |
| Total Penulangan Luasan 1        | Arah X                           | +                  | Arah Y      |             |                   |              |              | =            |        |
|                                  | 128,23                           | +                  | 142,81      |             |                   |              |              | 271,04       |        |

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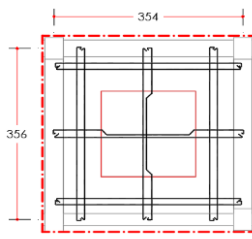
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LUASAN 1 - 02 BH

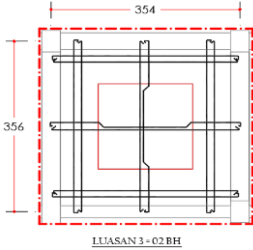


| NO. | URAIAN PEKERJAAN                 | URAIAN PERHITUNGAN |           |             |                   |              | VOLUME | SAT.         |
|-----|----------------------------------|--------------------|-----------|-------------|-------------------|--------------|--------|--------------|
|     |                                  | Panjang (P)        | Lebar (L) | Tinggi (T)  | Banyak Luasan (Q) | Total        |        |              |
| 1   | 2                                | 3                  | 4         | 5           | 6                 | 7            | 8      | 9            |
|     | Luasan 2 (Arah X)                |                    |           |             |                   |              |        |              |
|     | Lx                               | 2,11               | m         |             |                   |              |        |              |
|     | Ly                               | 3,56               | m         |             |                   |              |        |              |
|     | 1. Tumpuan X 1                   |                    |           |             |                   |              |        |              |
|     | Panjang (a)                      | 2,11               | m         |             |                   |              |        |              |
|     | Panjang Total                    | 2,11               | m         |             |                   |              |        |              |
|     | Jarak Tulangan                   | 0,20               | m         |             |                   |              |        |              |
|     | Ukuran Besi                      | 0,010              | m         |             |                   |              |        |              |
|     | Berat Tul                        | 0,617              | Kg/m      |             |                   |              |        |              |
|     | jumlah besi                      | 9,00               | Bh        |             |                   |              |        |              |
|     | Panjang Besi 1 Luasan            | 18,99              | m         |             |                   |              |        |              |
|     | Total Luasan                     | 2,00               | Bh        |             |                   |              |        |              |
|     | Total Panjang Besi 1 Luasan      | 37,98              | m         |             |                   |              |        |              |
|     | Berat Total Besi Tumpuan X 1     | 23,43              | Kg        |             |                   |              |        |              |
|     | 2. Tumpuan X 2                   |                    |           |             |                   |              |        |              |
|     | Panjang (a)                      | 2,11               | m         |             |                   |              |        |              |
|     | Panjang Total                    | 2,11               | m         |             |                   |              |        |              |
|     | Jarak Tulangan                   | 0,20               | m         |             |                   |              |        |              |
|     | Ukuran Besi                      | 0,010              | m         |             |                   |              |        |              |
|     | Berat Tul                        | 0,617              | Kg/m      |             |                   |              |        |              |
|     | jumlah besi                      | 9,00               | Bh        |             |                   |              |        |              |
|     | Panjang Besi 1 Luasan            | 18,99              | m         |             |                   |              |        |              |
|     | Total Luasan                     | 2,00               | Bh        |             |                   |              |        |              |
|     | Total Panjang Besi 1 Luasan      | 37,98              | m         |             |                   |              |        |              |
|     | Berat Total Besi Tumpuan X 2     | 23,43              | Kg        |             |                   |              |        |              |
|     | 3. Lapangan X 1                  |                    |           |             |                   |              |        |              |
|     | Panjang (a)                      | 1,06               | m         |             |                   |              |        |              |
|     | Panjang (b)                      | 0,53               | m         |             |                   |              |        |              |
|     |                                  | 0,53               | m         |             |                   |              |        |              |
|     | Panjang (c)                      | 0,11               | m         |             |                   |              |        |              |
|     |                                  | 0,11               | m         |             |                   |              |        |              |
|     | Panjang Total                    | 2,34               | m         |             |                   |              |        |              |
|     | Jarak Tulangan                   | 0,20               | m         |             |                   |              |        |              |
|     | Ukuran Besi                      | 0,010              | m         |             |                   |              |        |              |
|     | Berat Tul                        | 0,617              | Kg/m      |             |                   |              |        |              |
|     | jumlah besi                      | 9,00               | Bh        |             |                   |              |        |              |
|     | Panjang Besi 1 Luasan            | 21,03              | m         |             |                   |              |        |              |
|     | Total Luasan                     | 2,00               | Bh        |             |                   |              |        |              |
|     | Total Panjang Besi 1 Luasan      | 42,05              | m         |             |                   |              |        |              |
|     | Berat Total Besi lapangan X 1    | 25,95              | Kg        |             |                   |              |        |              |
|     | 4. Lapangan X 2                  |                    |           |             |                   |              |        |              |
|     | Panjang (a)                      | 2,11               | m         |             |                   |              |        |              |
|     | Panjang Total                    | 2,11               | m         |             |                   |              |        |              |
|     | Jarak Tulangan                   | 0,20               | m         |             |                   |              |        |              |
|     | Ukuran Besi                      | 0,010              | m         |             |                   |              |        |              |
|     | Berat Tul                        | 0,617              | Kg/m      |             |                   |              |        |              |
|     | jumlah besi                      | 9,00               | Bh        |             |                   |              |        |              |
|     | Panjang Besi 1 Luasan            | 18,99              | m         |             |                   |              |        |              |
|     | Total Luasan                     | 2,00               | Bh        |             |                   |              |        |              |
|     | Total Panjang Besi 1 Luasan      | 37,98              | m         |             |                   |              |        |              |
|     | Berat Total Besi Lapangan X 2    | 23,43              | Kg        |             |                   |              |        |              |
|     | Total Penulangan Luasan 2 Arah X | Tumpuan X 1        | +         | Tumpuan X 2 | +                 | Lapangan X 1 | +      | Lapangan X 1 |
|     |                                  | 23,43              | +         | 23,43       | +                 | 25,95        | +      | 23,43        |
|     |                                  |                    |           |             |                   | =            |        | 96,25        |
|     | Luasan 2 (Arah Y)                |                    |           |             |                   |              |        |              |
|     | Lx                               | 2,11               | m         |             |                   |              |        |              |
|     | Ly                               | 3,56               | m         |             |                   |              |        |              |
|     | 1. Tumpuan Y 1                   |                    |           |             |                   |              |        |              |
|     | Panjang (a)                      | 3,56               | m         |             |                   |              |        |              |
|     | Panjang Total                    | 3,56               | m         |             |                   |              |        |              |
|     | Jarak Tulangan                   | 0,20               | m         |             |                   |              |        |              |
|     | Ukuran Besi                      | 0,010              | m         |             |                   |              |        |              |
|     | Berat Tul                        | 0,617              | Kg/m      |             |                   |              |        |              |
|     | jumlah besi                      | 6,00               | Bh        |             |                   |              |        |              |
|     | Panjang Besi 1 Luasan            | 21,36              | m         |             |                   |              |        |              |
|     | Total Luasan                     | 2,00               | Bh        |             |                   |              |        |              |
|     | Total Panjang Besi 1 Luasan      | 42,72              | m         |             |                   |              |        |              |
|     | Berat Total Besi Tumpuan Y 1     | 26,36              | Kg        |             |                   |              |        |              |

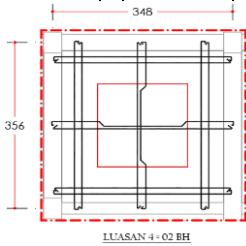
| NO. | URAIAN PEKERJAAN                 | URAIAN PERHITUNGAN |      |             |            |                   | VOLUME | SAT.         |          |
|-----|----------------------------------|--------------------|------|-------------|------------|-------------------|--------|--------------|----------|
|     |                                  | Panjang (P)        |      | Lebar (L)   | Tinggi (T) | Banyak Luasan (Q) |        |              | Total    |
| 1   | 2                                | 3                  |      | 4           | 5          | 6                 | 7      | 8            | 9        |
|     | 2. Tumpuan Y 2                   |                    |      |             |            |                   |        |              |          |
|     | Panjang (a)                      | 3,56               | m    |             |            |                   |        |              |          |
|     | Panjang Total                    | 3,56               | m    |             |            |                   |        |              |          |
|     | Jarak Tulangan                   | 0,20               | m    |             |            |                   |        |              |          |
|     | Ukuran Besi                      | 0,010              | m    |             |            |                   |        |              |          |
|     | Berat Tul                        | 0,617              | Kg/m |             |            |                   |        |              |          |
|     | jumlah besi                      | 6,00               | Bh   |             |            |                   |        |              |          |
|     | Panjang Besi 1 Luasan            | 21,36              | m    |             |            |                   |        |              |          |
|     | Total Luasan                     | 2,00               | Bh   |             |            |                   |        |              |          |
|     | Total Panjang Besi 1 Luasan      | 42,72              | m    |             |            |                   |        |              |          |
|     | Berat Total Besi Tumpuan Y 2     | 26,36              | Kg   |             |            |                   |        |              |          |
|     | 3. Lapangan Y 1                  |                    |      |             |            |                   |        |              |          |
|     | Panjang (a)                      | 1,78               | m    |             |            |                   |        |              |          |
|     | Panjang (b)                      | 0,89               | m    |             |            |                   |        |              |          |
|     |                                  | 0,89               | m    |             |            |                   |        |              |          |
|     | Panjang (c)                      | 0,11               | m    |             |            |                   |        |              |          |
|     |                                  | 0,11               | m    |             |            |                   |        |              |          |
|     | Panjang Total                    | 3,79               | m    |             |            |                   |        |              |          |
|     | Jarak Tulangan                   | 0,20               | m    |             |            |                   |        |              |          |
|     | Ukuran Besi                      | 0,010              | m    |             |            |                   |        |              |          |
|     | Berat Tul                        | 0,617              | Kg/m |             |            |                   |        |              |          |
|     | jumlah besi                      | 6,00               | Bh   |             |            |                   |        |              |          |
|     | Panjang Besi 1 Luasan            | 22,72              | m    |             |            |                   |        |              |          |
|     | Total Luasan                     | 2,00               | Bh   |             |            |                   |        |              |          |
|     | Total Panjang Besi 1 Luasan      | 45,44              | m    |             |            |                   |        |              |          |
|     | Berat Total Besi lapangan Y 1    | 28,03              | Kg   |             |            |                   |        |              |          |
|     | 4. Lapangan Y 2                  |                    |      |             |            |                   |        |              |          |
|     | Panjang (a)                      | 3,56               | m    |             |            |                   |        |              |          |
|     | Panjang Total                    | 3,56               | m    |             |            |                   |        |              |          |
|     | Jarak Tulangan                   | 0,20               | m    |             |            |                   |        |              |          |
|     | Ukuran Besi                      | 0,010              | m    |             |            |                   |        |              |          |
|     | Berat Tul                        | 0,617              | Kg/m |             |            |                   |        |              |          |
|     | jumlah besi                      | 6,00               | Bh   |             |            |                   |        |              |          |
|     | Panjang Besi 1 Luasan            | 21,36              | m    |             |            |                   |        |              |          |
|     | Total Luasan                     | 2,00               | Bh   |             |            |                   |        |              |          |
|     | Total Panjang Besi 1 Luasan      | 42,72              | m    |             |            |                   |        |              |          |
|     | Berat Total Besi Lapangan Y 2    | 26,36              | Kg   |             |            |                   |        |              |          |
|     | Total Penulangan Luasan 2 Arah Y | Tumpuan Y 1        | +    | Tumpuan Y 2 | +          | Lapangan Y 1      | +      | Lapangan Y 2 | =        |
|     |                                  | 26,36              | +    | 26,36       | +          | 28,03             | +      | 26,36        | = 107,11 |
|     | Total Penulangan Luasan 2        | Arah X             | +    | Arah Y      |            |                   |        |              | =        |
|     |                                  | 96,25              | +    | 107,11      |            |                   |        |              | = 203,36 |
|     | Luasan 3 (Arah X)                |                    |      |             |            |                   |        |              |          |
|     | Lx                               | 3,54               | m    |             |            |                   |        |              |          |
|     | Ly                               | 3,56               | m    |             |            |                   |        |              |          |
|     | 1. Tumpuan X 1                   |                    |      |             |            |                   |        |              |          |
|     | Panjang (a)                      | 3,54               | m    |             |            |                   |        |              |          |
|     | Panjang Total                    | 3,54               | m    |             |            |                   |        |              |          |
|     | Jarak Tulangan                   | 0,20               | m    |             |            |                   |        |              |          |
|     | Ukuran Besi                      | 0,010              | m    |             |            |                   |        |              |          |
|     | Berat Tul                        | 0,617              | Kg/m |             |            |                   |        |              |          |
|     | jumlah besi                      | 9,00               | Bh   |             |            |                   |        |              |          |
|     | Panjang Besi 1 Luasan            | 31,86              | m    |             |            |                   |        |              |          |
|     | Total Luasan                     | 2,00               | Bh   |             |            |                   |        |              |          |
|     | Total Panjang Besi 1 Luasan      | 63,72              | m    |             |            |                   |        |              |          |
|     | Berat Total Besi Tumpuan X 1     | 39,32              | Kg   |             |            |                   |        |              |          |
|     | 2. Tumpuan X 2                   |                    |      |             |            |                   |        |              |          |
|     | Panjang (a)                      | 3,54               | m    |             |            |                   |        |              |          |
|     | Panjang Total                    | 3,54               | m    |             |            |                   |        |              |          |
|     | Jarak Tulangan                   | 0,20               | m    |             |            |                   |        |              |          |
|     | Ukuran Besi                      | 0,010              | m    |             |            |                   |        |              |          |
|     | Berat Tul                        | 0,617              | Kg/m |             |            |                   |        |              |          |
|     | jumlah besi                      | 9,00               | Bh   |             |            |                   |        |              |          |
|     | Panjang Besi 1 Luasan            | 31,86              | m    |             |            |                   |        |              |          |
|     | Total Luasan                     | 2,00               | Bh   |             |            |                   |        |              |          |
|     | Total Panjang Besi 1 Luasan      | 63,72              | m    |             |            |                   |        |              |          |
|     | Berat Total Besi Tumpuan X 2     | 39,32              | Kg   |             |            |                   |        |              |          |



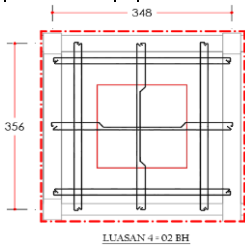
| NO. | URAIAN PEKERJAAN                 | URAIAN PERHITUNGAN |      |             |            |                   |       | VOLUME       | SAT.     |
|-----|----------------------------------|--------------------|------|-------------|------------|-------------------|-------|--------------|----------|
|     |                                  | Panjang (P)        |      | Lebar (L)   | Tinggi (T) | Banyak Luasan (Q) | Total |              |          |
| 1   | 2                                | 3                  |      | 4           | 5          | 6                 | 7     | 8            | 9        |
|     | 3. Lapangan X 1                  |                    |      |             |            |                   |       |              |          |
|     | Panjang (a)                      | 1,77               | m    |             |            |                   |       |              |          |
|     | Panjang (b)                      | 0,89               | m    |             |            |                   |       |              |          |
|     |                                  | 0,89               | m    |             |            |                   |       |              |          |
|     | Panjang (c)                      | 0,11               | m    |             |            |                   |       |              |          |
|     |                                  | 0,11               | m    |             |            |                   |       |              |          |
|     | Panjang Total                    | 3,77               | m    |             |            |                   |       |              |          |
|     | Jarak Tulangan                   | 0,20               | m    |             |            |                   |       |              |          |
|     | Ukuran Besi                      | 0,010              | m    |             |            |                   |       |              |          |
|     | Berat Tul                        | 0,617              | Kg/m |             |            |                   |       |              |          |
|     | jumlah besi                      | 9,00               | Bh   |             |            |                   |       |              |          |
|     | Panjang Besi 1 Luasan            | 33,90              | m    |             |            |                   |       |              |          |
|     | Total Luasan                     | 2,00               | Bh   |             |            |                   |       |              |          |
|     | Total Panjang Besi 1 Luasan      | 67,79              | m    |             |            |                   |       |              |          |
|     | Berat Total Besi lapangan X 1    | 41,83              | Kg   |             |            |                   |       |              |          |
|     | 4. Lapangan X 2                  |                    |      |             |            |                   |       |              |          |
|     | Panjang (a)                      | 3,54               | m    |             |            |                   |       |              |          |
|     | Panjang Total                    | 3,54               | m    |             |            |                   |       |              |          |
|     | Jarak Tulangan                   | 0,20               | m    |             |            |                   |       |              |          |
|     | Ukuran Besi                      | 0,010              | m    |             |            |                   |       |              |          |
|     | Berat Tul                        | 0,617              | Kg/m |             |            |                   |       |              |          |
|     | jumlah besi                      | 9,00               | Bh   |             |            |                   |       |              |          |
|     | Panjang Besi 1 Luasan            | 31,86              | m    |             |            |                   |       |              |          |
|     | Total Luasan                     | 2,00               | Bh   |             |            |                   |       |              |          |
|     | Total Panjang Besi 1 Luasan      | 63,72              | m    |             |            |                   |       |              |          |
|     | Berat Total Besi Lapangan X 2    | 39,32              | Kg   |             |            |                   |       |              |          |
|     | Total Penulangan Luasan 3 Arah X | Tumpuan X 1        | +    | Tumpuan X 2 | +          | Lapangan X 1      | +     | Lapangan X 1 | =        |
|     |                                  | 39,32              | +    | 39,32       | +          | 41,83             | +     | 39,32        | = 159,77 |
|     | Luasan 3 (Arah Y)                |                    |      |             |            |                   |       |              |          |
|     | Lx                               | 3,54               | m    |             |            |                   |       |              |          |
|     | Ly                               | 3,56               | m    |             |            |                   |       |              |          |
|     | 1. Tumpuan Y 1                   |                    |      |             |            |                   |       |              |          |
|     | Panjang (a)                      | 3,56               | m    |             |            |                   |       |              |          |
|     | Panjang Total                    | 3,56               | m    |             |            |                   |       |              |          |
|     | Jarak Tulangan                   | 0,20               | m    |             |            |                   |       |              |          |
|     | Ukuran Besi                      | 0,010              | m    |             |            |                   |       |              |          |
|     | Berat Tul                        | 0,617              | Kg/m |             |            |                   |       |              |          |
|     | jumlah besi                      | 9,00               | Bh   |             |            |                   |       |              |          |
|     | Panjang Besi 1 Luasan            | 32,04              | m    |             |            |                   |       |              |          |
|     | Total Luasan                     | 2,00               | Bh   |             |            |                   |       |              |          |
|     | Total Panjang Besi 1 Luasan      | 64,08              | m    |             |            |                   |       |              |          |
|     | Berat Total Besi Tumpuan Y 1     | 39,54              | Kg   |             |            |                   |       |              |          |
|     | 2. Tumpuan Y 2                   |                    |      |             |            |                   |       |              |          |
|     | Panjang (a)                      | 3,56               | m    |             |            |                   |       |              |          |
|     | Panjang Total                    | 3,56               | m    |             |            |                   |       |              |          |
|     | Jarak Tulangan                   | 0,20               | m    |             |            |                   |       |              |          |
|     | Ukuran Besi                      | 0,010              | m    |             |            |                   |       |              |          |
|     | Berat Tul                        | 0,617              | Kg/m |             |            |                   |       |              |          |
|     | jumlah besi                      | 9,00               | Bh   |             |            |                   |       |              |          |
|     | Panjang Besi 1 Luasan            | 32,04              | m    |             |            |                   |       |              |          |
|     | Total Luasan                     | 2,00               | Bh   |             |            |                   |       |              |          |
|     | Total Panjang Besi 1 Luasan      | 64,08              | m    |             |            |                   |       |              |          |
|     | Berat Total Besi Tumpuan Y 2     | 39,54              | Kg   |             |            |                   |       |              |          |
|     | 3. Lapangan Y 1                  |                    |      |             |            |                   |       |              |          |
|     | Panjang (a)                      | 1,78               | m    |             |            |                   |       |              |          |
|     | Panjang (b)                      | 0,89               | m    |             |            |                   |       |              |          |
|     |                                  | 0,89               | m    |             |            |                   |       |              |          |
|     | Panjang (c)                      | 0,11               | m    |             |            |                   |       |              |          |
|     |                                  | 0,11               | m    |             |            |                   |       |              |          |
|     | Panjang Total                    | 3,79               | m    |             |            |                   |       |              |          |
|     | Jarak Tulangan                   | 0,20               | m    |             |            |                   |       |              |          |
|     | Ukuran Besi                      | 0,010              | m    |             |            |                   |       |              |          |
|     | Berat Tul                        | 0,617              | Kg/m |             |            |                   |       |              |          |
|     | jumlah besi                      | 9,00               | Bh   |             |            |                   |       |              |          |
|     | Panjang Besi 1 Luasan            | 34,08              | m    |             |            |                   |       |              |          |
|     | Total Luasan                     | 2,00               | Bh   |             |            |                   |       |              |          |
|     | Total Panjang Besi 1 Luasan      | 68,15              | m    |             |            |                   |       |              |          |
|     | Berat Total Besi lapangan Y 1    | 42,05              | Kg   |             |            |                   |       |              |          |



| NO. | URAIAN PEKERJAAN                 | URAIAN PERHITUNGAN |      |             |   |              |                   | VOLUME       | SAT.     |
|-----|----------------------------------|--------------------|------|-------------|---|--------------|-------------------|--------------|----------|
|     |                                  | Panjang (P)        |      | Lebar (L)   |   | Tinggi (T)   | Banyak Luasan (Q) | Total        |          |
| 1   | 2                                | 3                  |      | 4           |   | 5            | 6                 | 7            | 8        |
|     | 4. Lapangan Y 2                  |                    |      |             |   |              |                   |              |          |
|     | Panjang (a)                      | 3,56               | m    |             |   |              |                   |              |          |
|     | Panjang Total                    | 3,56               | m    |             |   |              |                   |              |          |
|     | Jarak Tulangan                   | 0,20               | m    |             |   |              |                   |              |          |
|     | Ukuran Besi                      | 0,010              | m    |             |   |              |                   |              |          |
|     | Berat Tul                        | 0,617              | Kg/m |             |   |              |                   |              |          |
|     | jumlah besi                      | 9,00               | Bh   |             |   |              |                   |              |          |
|     | Panjang Besi 1 Luasan            | 32,04              | m    |             |   |              |                   |              |          |
|     | Total Luasan                     | 2,00               | Bh   |             |   |              |                   |              |          |
|     | Total Panjang Besi 1 Luasan      | 64,08              | m    |             |   |              |                   |              |          |
|     | Berat Total Besi Lapangan Y 2    | 39,54              | Kg   |             |   |              |                   |              |          |
|     | Total Penulangan Luasan 3 Arah Y | Tumpuan Y 1        | +    | Tumpuan Y 2 | + | Lapangan Y 1 | +                 | Lapangan Y 2 | =        |
|     |                                  | 39,54              | +    | 39,54       | + | 42,05        | +                 | 39,54        | = 160,66 |
|     | Total Penulangan Luasan 3        | Arah X             | +    | Arah Y      |   |              |                   |              | =        |
|     |                                  | 159,77             | +    | 160,66      |   |              |                   |              | = 320,44 |
|     | Luasan 4 (Arah X)                |                    |      |             |   |              |                   |              |          |
|     | Lx                               | 3,48               | m    |             |   |              |                   |              |          |
|     | Ly                               | 3,56               | m    |             |   |              |                   |              |          |
|     | 1. Tumpuan X 1                   |                    |      |             |   |              |                   |              |          |
|     | Panjang (a)                      | 3,48               | m    |             |   |              |                   |              |          |
|     | Panjang Total                    | 3,48               | m    |             |   |              |                   |              |          |
|     | Jarak Tulangan                   | 0,20               | m    |             |   |              |                   |              |          |
|     | Ukuran Besi                      | 0,010              | m    |             |   |              |                   |              |          |
|     | Berat Tul                        | 0,617              | Kg/m |             |   |              |                   |              |          |
|     | jumlah besi                      | 9,00               | Bh   |             |   |              |                   |              |          |
|     | Panjang Besi 1 Luasan            | 31,32              | m    |             |   |              |                   |              |          |
|     | Total Luasan                     | 2,00               | Bh   |             |   |              |                   |              |          |
|     | Total Panjang Besi 1 Luasan      | 62,64              | m    |             |   |              |                   |              |          |
|     | Berat Total Besi Tumpuan X 1     | 38,65              | Kg   |             |   |              |                   |              |          |
|     | 2. Tumpuan X 2                   |                    |      |             |   |              |                   |              |          |
|     | Panjang (a)                      | 3,48               | m    |             |   |              |                   |              |          |
|     | Panjang Total                    | 3,48               | m    |             |   |              |                   |              |          |
|     | Jarak Tulangan                   | 0,20               | m    |             |   |              |                   |              |          |
|     | Ukuran Besi                      | 0,010              | m    |             |   |              |                   |              |          |
|     | Berat Tul                        | 0,617              | Kg/m |             |   |              |                   |              |          |
|     | jumlah besi                      | 9,00               | Bh   |             |   |              |                   |              |          |
|     | Panjang Besi 1 Luasan            | 31,32              | m    |             |   |              |                   |              |          |
|     | Total Luasan                     | 2,00               | Bh   |             |   |              |                   |              |          |
|     | Total Panjang Besi 1 Luasan      | 62,64              | m    |             |   |              |                   |              |          |
|     | Berat Total Besi Tumpuan X 2     | 38,65              | Kg   |             |   |              |                   |              |          |
|     | 3. Lapangan X 1                  |                    |      |             |   |              |                   |              |          |
|     | Panjang (a)                      | 1,74               | m    |             |   |              |                   |              |          |
|     | Panjang (b)                      | 0,87               | m    |             |   |              |                   |              |          |
|     | Panjang (c)                      | 0,87               | m    |             |   |              |                   |              |          |
|     | Panjang (d)                      | 0,11               | m    |             |   |              |                   |              |          |
|     | Panjang (e)                      | 0,11               | m    |             |   |              |                   |              |          |
|     | Panjang Total                    | 3,71               | m    |             |   |              |                   |              |          |
|     | Jarak Tulangan                   | 0,20               | m    |             |   |              |                   |              |          |
|     | Ukuran Besi                      | 0,010              | m    |             |   |              |                   |              |          |
|     | Berat Tul                        | 0,617              | Kg/m |             |   |              |                   |              |          |
|     | jumlah besi                      | 9,00               | Bh   |             |   |              |                   |              |          |
|     | Panjang Besi 1 Luasan            | 33,36              | m    |             |   |              |                   |              |          |
|     | Total Luasan                     | 2,00               | Bh   |             |   |              |                   |              |          |
|     | Total Panjang Besi 1 Luasan      | 66,71              | m    |             |   |              |                   |              |          |
|     | Berat Total Besi lapangan X 1    | 41,16              | Kg   |             |   |              |                   |              |          |
|     | 4. Lapangan X 2                  |                    |      |             |   |              |                   |              |          |
|     | Panjang (a)                      | 3,48               | m    |             |   |              |                   |              |          |
|     | Panjang Total                    | 3,48               | m    |             |   |              |                   |              |          |
|     | Jarak Tulangan                   | 0,20               | m    |             |   |              |                   |              |          |
|     | Ukuran Besi                      | 0,010              | m    |             |   |              |                   |              |          |
|     | Berat Tul                        | 0,617              | Kg/m |             |   |              |                   |              |          |
|     | jumlah besi                      | 9,00               | Bh   |             |   |              |                   |              |          |
|     | Panjang Besi 1 Luasan            | 31,32              | m    |             |   |              |                   |              |          |
|     | Total Luasan                     | 2,00               | Bh   |             |   |              |                   |              |          |
|     | Total Panjang Besi 1 Luasan      | 62,64              | m    |             |   |              |                   |              |          |
|     | Berat Total Besi Lapangan X 2    | 38,65              | Kg   |             |   |              |                   |              |          |
|     | Total Penulangan Luasan 4 Arah X | Tumpuan X 1        | +    | Tumpuan X 2 | + | Lapangan X 1 | +                 | Lapangan X 1 | =        |
|     |                                  | 38,65              | +    | 38,65       | + | 41,16        | +                 | 38,65        | = 157,11 |



| NO. | URAIAN PEKERJAAN                 | URAIAN PERHITUNGAN |           |             |                   |              | VOLUME | SAT.         |
|-----|----------------------------------|--------------------|-----------|-------------|-------------------|--------------|--------|--------------|
|     |                                  | Panjang (P)        | Lebar (L) | Tinggi (T)  | Banyak Luasan (Q) | Total        |        |              |
| 1   | 2                                | 3                  | 4         | 5           | 6                 | 7            | 8      | 9            |
|     | Luasan 4 (Arah Y)                |                    |           |             |                   |              |        |              |
|     | Lx                               | 3,48               | m         |             |                   |              |        |              |
|     | Ly                               | 3,56               | m         |             |                   |              |        |              |
|     | 1. Tumpuan Y 1                   |                    |           |             |                   |              |        |              |
|     | Panjang (a)                      | 3,56               | m         |             |                   |              |        |              |
|     | Panjang Total                    | 3,56               | m         |             |                   |              |        |              |
|     | Jarak Tulangan                   | 0,20               | m         |             |                   |              |        |              |
|     | Ukuran Besi                      | 0,010              | m         |             |                   |              |        |              |
|     | Berat Tul                        | 0,617              | Kg/m      |             |                   |              |        |              |
|     | jumlah besi                      | 9,00               | Bh        |             |                   |              |        |              |
|     | Panjang Besi 1 Luasan            | 32,04              | m         |             |                   |              |        |              |
|     | Total Luasan                     | 2,00               | Bh        |             |                   |              |        |              |
|     | Total Panjang Besi 1 Luasan      | 64,08              | m         |             |                   |              |        |              |
|     | Berat Total Besi Tumpuan Y 1     | 39,54              | Kg        |             |                   |              |        |              |
|     | 2. Tumpuan Y 2                   |                    |           |             |                   |              |        |              |
|     | Panjang (a)                      | 3,56               | m         |             |                   |              |        |              |
|     | Panjang Total                    | 3,56               | m         |             |                   |              |        |              |
|     | Jarak Tulangan                   | 0,20               | m         |             |                   |              |        |              |
|     | Ukuran Besi                      | 0,010              | m         |             |                   |              |        |              |
|     | Berat Tul                        | 0,617              | Kg/m      |             |                   |              |        |              |
|     | jumlah besi                      | 9,00               | Bh        |             |                   |              |        |              |
|     | Panjang Besi 1 Luasan            | 32,04              | m         |             |                   |              |        |              |
|     | Total Luasan                     | 2,00               | Bh        |             |                   |              |        |              |
|     | Total Panjang Besi 1 Luasan      | 64,08              | m         |             |                   |              |        |              |
|     | Berat Total Besi Tumpuan Y 2     | 39,54              | Kg        |             |                   |              |        |              |
|     | 3. Lapangan Y 1                  |                    |           |             |                   |              |        |              |
|     | Panjang (a)                      | 1,78               | m         |             |                   |              |        |              |
|     | Panjang (b)                      | 0,89               | m         |             |                   |              |        |              |
|     |                                  | 0,89               | m         |             |                   |              |        |              |
|     | Panjang (c)                      | 0,11               | m         |             |                   |              |        |              |
|     |                                  | 0,11               | m         |             |                   |              |        |              |
|     | Panjang Total                    | 3,79               | m         |             |                   |              |        |              |
|     | Jarak Tulangan                   | 0,20               | m         |             |                   |              |        |              |
|     | Ukuran Besi                      | 0,010              | m         |             |                   |              |        |              |
|     | Berat Tul                        | 0,617              | Kg/m      |             |                   |              |        |              |
|     | jumlah besi                      | 9,00               | Bh        |             |                   |              |        |              |
|     | Panjang Besi 1 Luasan            | 34,08              | m         |             |                   |              |        |              |
|     | Total Luasan                     | 2,00               | Bh        |             |                   |              |        |              |
|     | Total Panjang Besi 1 Luasan      | 68,15              | m         |             |                   |              |        |              |
|     | Berat Total Besi lapangan Y 1    | 42,05              | Kg        |             |                   |              |        |              |
|     | 4. Lapangan Y 2                  |                    |           |             |                   |              |        |              |
|     | Panjang (a)                      | 3,56               | m         |             |                   |              |        |              |
|     | Panjang Total                    | 3,56               | m         |             |                   |              |        |              |
|     | Jarak Tulangan                   | 0,20               | m         |             |                   |              |        |              |
|     | Ukuran Besi                      | 0,010              | m         |             |                   |              |        |              |
|     | Berat Tul                        | 0,617              | Kg/m      |             |                   |              |        |              |
|     | jumlah besi                      | 9,00               | Bh        |             |                   |              |        |              |
|     | Panjang Besi 1 Luasan            | 32,04              | m         |             |                   |              |        |              |
|     | Total Luasan                     | 2,00               | Bh        |             |                   |              |        |              |
|     | Total Panjang Besi 1 Luasan      | 64,08              | m         |             |                   |              |        |              |
|     | Berat Total Besi Lapangan Y 2    | 39,54              | Kg        |             |                   |              |        |              |
|     | Total Penulangan Luasan 4 Arah Y | Tumpuan Y 1        | +         | Tumpuan Y 2 | +                 | Lapangan Y 1 | +      | Lapangan Y 2 |
|     |                                  | 39,54              | +         | 39,54       | +                 | 42,05        | +      | 39,54        |
|     |                                  |                    |           |             |                   |              | =      | 160,66       |
|     | Total Penulangan Luasan 4        | Arah X             | +         | Arah Y      |                   |              |        |              |
|     |                                  | 157,11             | +         | 160,66      |                   |              | =      | 317,77       |

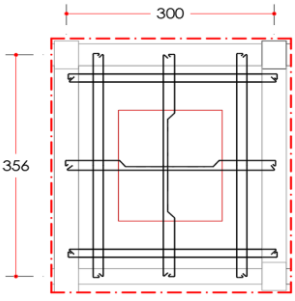


| NO. | URAIAN PEKERJAAN                 | URAIAN PERHITUNGAN |           |             |                   |              | VOLUME | SAT.         |
|-----|----------------------------------|--------------------|-----------|-------------|-------------------|--------------|--------|--------------|
|     |                                  | Panjang (P)        | Lebar (L) | Tinggi (T)  | Banyak Luasan (Q) | Total        |        |              |
| 1   | 2                                | 3                  | 4         | 5           | 6                 | 7            | 8      | 9            |
|     | Luasan 5 (Arah X)                |                    |           |             |                   |              |        |              |
|     | Lx                               | 2,04               | m         |             |                   |              |        |              |
|     | Ly                               | 3,56               | m         |             |                   |              |        |              |
|     | 1. Tumpuan X 1                   |                    |           |             |                   |              |        |              |
|     | Panjang (a)                      | 2,04               | m         |             |                   |              |        |              |
|     | Panjang Total                    | 2,04               | m         |             |                   |              |        |              |
|     | Jarak Tulangan                   | 0,20               | m         |             |                   |              |        |              |
|     | Ukuran Besi                      | 0,010              | m         |             |                   |              |        |              |
|     | Berat Tul                        | 0,617              | Kg/m      |             |                   |              |        |              |
|     | jumlah besi                      | 9,00               | Bh        |             |                   |              |        |              |
|     | Panjang Besi 1 Luasan            | 18,36              | m         |             |                   |              |        |              |
|     | Total Luasan                     | 2,00               | Bh        |             |                   |              |        |              |
|     | Total Panjang Besi 1 Luasan      | 36,72              | m         |             |                   |              |        |              |
|     | Berat Total Besi Tumpuan X 1     | 22,66              | Kg        |             |                   |              |        |              |
|     |                                  |                    |           |             |                   |              |        |              |
|     | 2. Tumpuan X 2                   |                    |           |             |                   |              |        |              |
|     | Panjang (a)                      | 2,04               | m         |             |                   |              |        |              |
|     | Panjang Total                    | 2,04               | m         |             |                   |              |        |              |
|     | Jarak Tulangan                   | 0,20               | m         |             |                   |              |        |              |
|     | Ukuran Besi                      | 0,010              | m         |             |                   |              |        |              |
|     | Berat Tul                        | 0,617              | Kg/m      |             |                   |              |        |              |
|     | jumlah besi                      | 9,00               | Bh        |             |                   |              |        |              |
|     | Panjang Besi 1 Luasan            | 18,36              | m         |             |                   |              |        |              |
|     | Total Luasan                     | 2,00               | Bh        |             |                   |              |        |              |
|     | Total Panjang Besi 1 Luasan      | 36,72              | m         |             |                   |              |        |              |
|     | Berat Total Besi Tumpuan X 2     | 22,66              | Kg        |             |                   |              |        |              |
|     |                                  |                    |           |             |                   |              |        |              |
|     | 3. Lapangan X 1                  |                    |           |             |                   |              |        |              |
|     | Panjang (a)                      | 1,02               | m         |             |                   |              |        |              |
|     | Panjang (b)                      | 0,51               | m         |             |                   |              |        |              |
|     |                                  | 0,51               | m         |             |                   |              |        |              |
|     | Panjang (c)                      | 0,11               | m         |             |                   |              |        |              |
|     |                                  | 0,11               | m         |             |                   |              |        |              |
|     | Panjang Total                    | 2,27               | m         |             |                   |              |        |              |
|     | Jarak Tulangan                   | 0,20               | m         |             |                   |              |        |              |
|     | Ukuran Besi                      | 0,010              | m         |             |                   |              |        |              |
|     | Berat Tul                        | 0,617              | Kg/m      |             |                   |              |        |              |
|     | jumlah besi                      | 9,00               | Bh        |             |                   |              |        |              |
|     | Panjang Besi 1 Luasan            | 20,40              | m         |             |                   |              |        |              |
|     | Total Luasan                     | 2,00               | Bh        |             |                   |              |        |              |
|     | Total Panjang Besi 1 Luasan      | 40,79              | m         |             |                   |              |        |              |
|     | Berat Total Besi lapangan X 1    | 25,17              | Kg        |             |                   |              |        |              |
|     |                                  |                    |           |             |                   |              |        |              |
|     | 4. Lapangan X 2                  |                    |           |             |                   |              |        |              |
|     | Panjang (a)                      | 2,04               | m         |             |                   |              |        |              |
|     | Panjang Total                    | 2,04               | m         |             |                   |              |        |              |
|     | Jarak Tulangan                   | 0,20               | m         |             |                   |              |        |              |
|     | Ukuran Besi                      | 0,010              | m         |             |                   |              |        |              |
|     | Berat Tul                        | 0,617              | Kg/m      |             |                   |              |        |              |
|     | jumlah besi                      | 9,00               | Bh        |             |                   |              |        |              |
|     | Panjang Besi 1 Luasan            | 18,36              | m         |             |                   |              |        |              |
|     | Total Luasan                     | 2,00               | Bh        |             |                   |              |        |              |
|     | Total Panjang Besi 1 Luasan      | 36,72              | m         |             |                   |              |        |              |
|     | Berat Total Besi Lapangan X 2    | 22,66              | Kg        |             |                   |              |        |              |
|     | Total Penulangan Luasan 5 Arah X | Tumpuan X 1        | +         | Tumpuan X 2 | +                 | Lapangan X 1 | +      | Lapangan X 1 |
|     |                                  | 22,66              | +         | 22,66       | +                 | 25,17        | +      | 22,66        |
|     |                                  |                    |           |             |                   |              | =      | 93,14        |
|     | Luasan 5 (Arah Y)                |                    |           |             |                   |              |        |              |
|     | Lx                               | 2,04               | m         |             |                   |              |        |              |
|     | Ly                               | 3,56               | m         |             |                   |              |        |              |
|     | 1. Tumpuan Y 1                   |                    |           |             |                   |              |        |              |
|     | Panjang (a)                      | 3,56               | m         |             |                   |              |        |              |
|     | Panjang Total                    | 3,56               | m         |             |                   |              |        |              |
|     | Jarak Tulangan                   | 0,20               | m         |             |                   |              |        |              |
|     | Ukuran Besi                      | 0,010              | m         |             |                   |              |        |              |
|     | Berat Tul                        | 0,617              | Kg/m      |             |                   |              |        |              |
|     | jumlah besi                      | 6,00               | Bh        |             |                   |              |        |              |
|     | Panjang Besi 1 Luasan            | 21,36              | m         |             |                   |              |        |              |
|     | Total Luasan                     | 2,00               | Bh        |             |                   |              |        |              |
|     | Total Panjang Besi 1 Luasan      | 42,72              | m         |             |                   |              |        |              |
|     | Berat Total Besi Tumpuan Y 1     | 26,36              | Kg        |             |                   |              |        |              |

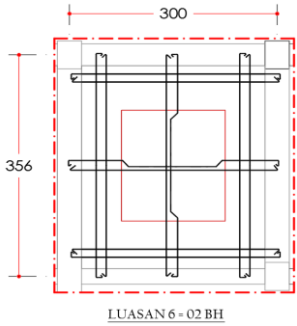
| NO. | URAIAN PEKERJAAN                 | URAIAN PERHITUNGAN |      |             |            |                   | VOLUME | SAT.         |          |
|-----|----------------------------------|--------------------|------|-------------|------------|-------------------|--------|--------------|----------|
|     |                                  | Panjang (P)        |      | Lebar (L)   | Tinggi (T) | Banyak Luasan (Q) |        |              | Total    |
| 1   | 2                                | 3                  |      | 4           | 5          | 6                 | 7      | 8            | 9        |
|     | 2. Tumpuan Y 2                   |                    |      |             |            |                   |        |              |          |
|     | Panjang (a)                      | 3,56               | m    |             |            |                   |        |              |          |
|     | Panjang Total                    | 3,56               | m    |             |            |                   |        |              |          |
|     | Jarak Tulangan                   | 0,20               | m    |             |            |                   |        |              |          |
|     | Ukuran Besi                      | 0,010              | m    |             |            |                   |        |              |          |
|     | Berat Tul                        | 0,617              | Kg/m |             |            |                   |        |              |          |
|     | jumlah besi                      | 6,00               | Bh   |             |            |                   |        |              |          |
|     | Panjang Besi 1 Luasan            | 21,36              | m    |             |            |                   |        |              |          |
|     | Total Luasan                     | 2,00               | Bh   |             |            |                   |        |              |          |
|     | Total Panjang Besi 1 Luasan      | 42,72              | m    |             |            |                   |        |              |          |
|     | Berat Total Besi Tumpuan Y 2     | 26,36              | Kg   |             |            |                   |        |              |          |
|     | 3. Lapangan Y 1                  |                    |      |             |            |                   |        |              |          |
|     | Panjang (a)                      | 1,78               | m    |             |            |                   |        |              |          |
|     | Panjang (b)                      | 0,89               | m    |             |            |                   |        |              |          |
|     |                                  | 0,89               | m    |             |            |                   |        |              |          |
|     | Panjang (c)                      | 0,11               | m    |             |            |                   |        |              |          |
|     |                                  | 0,11               | m    |             |            |                   |        |              |          |
|     | Panjang Total                    | 3,79               | m    |             |            |                   |        |              |          |
|     | Jarak Tulangan                   | 0,20               | m    |             |            |                   |        |              |          |
|     | Ukuran Besi                      | 0,010              | m    |             |            |                   |        |              |          |
|     | Berat Tul                        | 0,617              | Kg/m |             |            |                   |        |              |          |
|     | jumlah besi                      | 6,00               | Bh   |             |            |                   |        |              |          |
|     | Panjang Besi 1 Luasan            | 22,72              | m    |             |            |                   |        |              |          |
|     | Total Luasan                     | 2,00               | Bh   |             |            |                   |        |              |          |
|     | Total Panjang Besi 1 Luasan      | 45,44              | m    |             |            |                   |        |              |          |
|     | Berat Total Besi lapangan Y 1    | 28,03              | Kg   |             |            |                   |        |              |          |
|     | 4. Lapangan Y 2                  |                    |      |             |            |                   |        |              |          |
|     | Panjang (a)                      | 3,56               | m    |             |            |                   |        |              |          |
|     | Panjang Total                    | 3,56               | m    |             |            |                   |        |              |          |
|     | Jarak Tulangan                   | 0,20               | m    |             |            |                   |        |              |          |
|     | Ukuran Besi                      | 0,010              | m    |             |            |                   |        |              |          |
|     | Berat Tul                        | 0,617              | Kg/m |             |            |                   |        |              |          |
|     | jumlah besi                      | 6,00               | Bh   |             |            |                   |        |              |          |
|     | Panjang Besi 1 Luasan            | 21,36              | m    |             |            |                   |        |              |          |
|     | Total Luasan                     | 2,00               | Bh   |             |            |                   |        |              |          |
|     | Total Panjang Besi 1 Luasan      | 42,72              | m    |             |            |                   |        |              |          |
|     | Berat Total Besi Lapangan Y 2    | 26,36              | Kg   |             |            |                   |        |              |          |
|     | Total Penulangan Luasan 5 Arah Y | Tumpuan Y 1        | +    | Tumpuan Y 2 | +          | Lapangan Y 1      | +      | Lapangan Y 2 | =        |
|     |                                  | 26,36              | +    | 26,36       | +          | 28,03             | +      | 26,36        | = 107,11 |
|     | Total Penulangan Luasan 5        | Arah X             | +    | Arah Y      |            |                   |        |              | =        |
|     |                                  | 93,14              | +    | 107,11      |            |                   |        |              | = 200,25 |
|     | Luasan 6 (Arah X)                |                    |      |             |            |                   |        |              |          |
|     | Lx                               | 3,00               | m    |             |            |                   |        |              |          |
|     | Ly                               | 3,56               | m    |             |            |                   |        |              |          |
|     | 1. Tumpuan X 1                   |                    |      |             |            |                   |        |              |          |
|     | Panjang (a)                      | 3,00               | m    |             |            |                   |        |              |          |
|     | Panjang Total                    | 3,00               | m    |             |            |                   |        |              |          |
|     | Jarak Tulangan                   | 0,20               | m    |             |            |                   |        |              |          |
|     | Ukuran Besi                      | 0,010              | m    |             |            |                   |        |              |          |
|     | Berat Tul                        | 0,617              | Kg/m |             |            |                   |        |              |          |
|     | jumlah besi                      | 9,00               | Bh   |             |            |                   |        |              |          |
|     | Panjang Besi 1 Luasan            | 27,00              | m    |             |            |                   |        |              |          |
|     | Total Luasan                     | 2,00               | Bh   |             |            |                   |        |              |          |
|     | Total Panjang Besi 1 Luasan      | 54,00              | m    |             |            |                   |        |              |          |
|     | Berat Total Besi Tumpuan X 1     | 33,32              | Kg   |             |            |                   |        |              |          |
|     | 2. Tumpuan X 2                   |                    |      |             |            |                   |        |              |          |
|     | Panjang (a)                      | 3,00               | m    |             |            |                   |        |              |          |
|     | Panjang Total                    | 3,00               | m    |             |            |                   |        |              |          |
|     | Jarak Tulangan                   | 0,20               | m    |             |            |                   |        |              |          |
|     | Ukuran Besi                      | 0,010              | m    |             |            |                   |        |              |          |
|     | Berat Tul                        | 0,617              | Kg/m |             |            |                   |        |              |          |
|     | jumlah besi                      | 9,00               | Bh   |             |            |                   |        |              |          |
|     | Panjang Besi 1 Luasan            | 27,00              | m    |             |            |                   |        |              |          |
|     | Total Luasan                     | 2,00               | Bh   |             |            |                   |        |              |          |
|     | Total Panjang Besi 1 Luasan      | 54,00              | m    |             |            |                   |        |              |          |
|     | Berat Total Besi Tumpuan X 2     | 33,32              | Kg   |             |            |                   |        |              |          |

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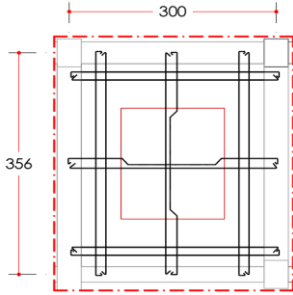
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LUASAN 6 - 02 BH

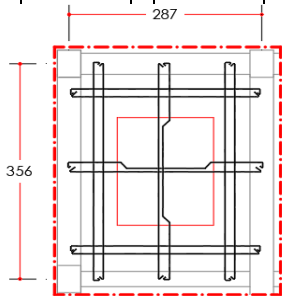


| NO. | URAIAN PEKERJAAN                 | URAIAN PERHITUNGAN |           |             |                   |              | VOLUME | SAT.         |
|-----|----------------------------------|--------------------|-----------|-------------|-------------------|--------------|--------|--------------|
|     |                                  | Panjang (P)        | Lebar (L) | Tinggi (T)  | Banyak Luasan (Q) | Total        |        |              |
| 1   | 2                                | 3                  | 4         | 5           | 6                 | 7            | 8      | 9            |
|     | 3. Lapangan X 1                  |                    |           |             |                   |              |        |              |
|     | Panjang (a)                      | 1,50               | m         |             |                   |              |        |              |
|     | Panjang (b)                      | 0,75               | m         |             |                   |              |        |              |
|     |                                  | 0,75               | m         |             |                   |              |        |              |
|     | Panjang (c)                      | 0,11               | m         |             |                   |              |        |              |
|     |                                  | 0,11               | m         |             |                   |              |        |              |
|     | Panjang Total                    | 3,23               | m         |             |                   |              |        |              |
|     | Jarak Tulangan                   | 0,20               | m         |             |                   |              |        |              |
|     | Ukuran Besi                      | 0,010              | m         |             |                   |              |        |              |
|     | Berat Tul                        | 0,617              | Kg/m      |             |                   |              |        |              |
|     | jumlah besi                      | 9,00               | Bh        |             |                   |              |        |              |
|     | Panjang Besi 1 Luasan            | 29,04              | m         |             |                   |              |        |              |
|     | Total Luasan                     | 2,00               | Bh        |             |                   |              |        |              |
|     | Total Panjang Besi 1 Luasan      | 58,07              | m         |             |                   |              |        |              |
|     | Berat Total Besi lapangan X 1    | 35,83              | Kg        |             |                   |              |        |              |
|     | 4. Lapangan X 2                  |                    |           |             |                   |              |        |              |
|     | Panjang (a)                      | 3,00               | m         |             |                   |              |        |              |
|     | Panjang Total                    | 3,00               | m         |             |                   |              |        |              |
|     | Jarak Tulangan                   | 0,20               | m         |             |                   |              |        |              |
|     | Ukuran Besi                      | 0,010              | m         |             |                   |              |        |              |
|     | Berat Tul                        | 0,617              | Kg/m      |             |                   |              |        |              |
|     | jumlah besi                      | 9,00               | Bh        |             |                   |              |        |              |
|     | Panjang Besi 1 Luasan            | 27,00              | m         |             |                   |              |        |              |
|     | Total Luasan                     | 2,00               | Bh        |             |                   |              |        |              |
|     | Total Panjang Besi 1 Luasan      | 54,00              | m         |             |                   |              |        |              |
|     | Berat Total Besi Lapangan X 2    | 33,32              | Kg        |             |                   |              |        |              |
|     | Total Penulangan Luasan 6 Arah X | Tumpuan X 1        | +         | Tumpuan X 2 | +                 | Lapangan X 1 | +      | Lapangan X 1 |
|     |                                  | 33,32              | +         | 33,32       | +                 | 35,83        | +      | 33,32        |
|     |                                  |                    |           |             |                   |              | =      | 135,79       |
|     | Luasan 6 (Arah Y)                |                    |           |             |                   |              |        |              |
|     | Lx                               | 3,00               | m         |             |                   |              |        |              |
|     | Ly                               | 3,56               | m         |             |                   |              |        |              |
|     | 1. Tumpuan Y 1                   |                    |           |             |                   |              |        |              |
|     | Panjang (a)                      | 3,56               | m         |             |                   |              |        |              |
|     | Panjang Total                    | 3,56               | m         |             |                   |              |        |              |
|     | Jarak Tulangan                   | 0,20               | m         |             |                   |              |        |              |
|     | Ukuran Besi                      | 0,010              | m         |             |                   |              |        |              |
|     | Berat Tul                        | 0,617              | Kg/m      |             |                   |              |        |              |
|     | jumlah besi                      | 8,00               | Bh        |             |                   |              |        |              |
|     | Panjang Besi 1 Luasan            | 28,48              | m         |             |                   |              |        |              |
|     | Total Luasan                     | 2,00               | Bh        |             |                   |              |        |              |
|     | Total Panjang Besi 1 Luasan      | 56,96              | m         |             |                   |              |        |              |
|     | Berat Total Besi Tumpuan Y 1     | 35,14              | Kg        |             |                   |              |        |              |
|     | 2. Tumpuan Y 2                   |                    |           |             |                   |              |        |              |
|     | Panjang (a)                      | 3,56               | m         |             |                   |              |        |              |
|     | Panjang Total                    | 3,56               | m         |             |                   |              |        |              |
|     | Jarak Tulangan                   | 0,20               | m         |             |                   |              |        |              |
|     | Ukuran Besi                      | 0,010              | m         |             |                   |              |        |              |
|     | Berat Tul                        | 0,617              | Kg/m      |             |                   |              |        |              |
|     | jumlah besi                      | 8,00               | Bh        |             |                   |              |        |              |
|     | Panjang Besi 1 Luasan            | 28,48              | m         |             |                   |              |        |              |
|     | Total Luasan                     | 2,00               | Bh        |             |                   |              |        |              |
|     | Total Panjang Besi 1 Luasan      | 56,96              | m         |             |                   |              |        |              |
|     | Berat Total Besi Tumpuan Y 2     | 35,14              | Kg        |             |                   |              |        |              |
|     | 3. Lapangan Y 1                  |                    |           |             |                   |              |        |              |
|     | Panjang (a)                      | 1,78               | m         |             |                   |              |        |              |
|     | Panjang (b)                      | 0,89               | m         |             |                   |              |        |              |
|     |                                  | 0,89               | m         |             |                   |              |        |              |
|     | Panjang (c)                      | 0,11               | m         |             |                   |              |        |              |
|     |                                  | 0,11               | m         |             |                   |              |        |              |
|     | Panjang Total                    | 3,79               | m         |             |                   |              |        |              |
|     | Jarak Tulangan                   | 0,20               | m         |             |                   |              |        |              |
|     | Ukuran Besi                      | 0,010              | m         |             |                   |              |        |              |
|     | Berat Tul                        | 0,617              | Kg/m      |             |                   |              |        |              |
|     | jumlah besi                      | 8,00               | Bh        |             |                   |              |        |              |
|     | Panjang Besi 1 Luasan            | 30,29              | m         |             |                   |              |        |              |
|     | Total Luasan                     | 2,00               | Bh        |             |                   |              |        |              |
|     | Total Panjang Besi 1 Luasan      | 60,58              | m         |             |                   |              |        |              |
|     | Berat Total Besi lapangan Y 1    | 37,38              | Kg        |             |                   |              |        |              |



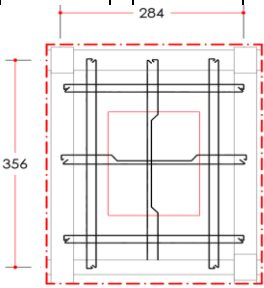
LUASAN 6 = 02 BH

| NO. | URAIAN PEKERJAAN                 | URAIAN PERHITUNGAN |      |             |   |              |   | VOLUME            | SAT.     |
|-----|----------------------------------|--------------------|------|-------------|---|--------------|---|-------------------|----------|
|     |                                  | Panjang (P)        |      | Lebar (L)   |   | Tinggi (T)   |   | Banyak Luasan (Q) | Total    |
| 1   | 2                                | 3                  |      | 4           |   | 5            |   | 6                 | 7        |
|     | 4. Lapangan Y 2                  |                    |      |             |   |              |   |                   |          |
|     | Panjang (a)                      | 3,56               | m    |             |   |              |   |                   |          |
|     | Panjang Total                    | 3,56               | m    |             |   |              |   |                   |          |
|     | Jarak Tulangan                   | 0,20               | m    |             |   |              |   |                   |          |
|     | Ukuran Besi                      | 0,010              | m    |             |   |              |   |                   |          |
|     | Berat Tul                        | 0,617              | Kg/m |             |   |              |   |                   |          |
|     | jumlah besi                      | 8,00               | Bh   |             |   |              |   |                   |          |
|     | Panjang Besi 1 Luasan            | 28,48              | m    |             |   |              |   |                   |          |
|     | Total Luasan                     | 2,00               | Bh   |             |   |              |   |                   |          |
|     | Total Panjang Besi 1 Luasan      | 56,96              | m    |             |   |              |   |                   |          |
|     | Berat Total Besi Lapangan Y 2    | 35,14              | Kg   |             |   |              |   |                   |          |
|     | Total Penulangan Luasan 6 Arah Y | Tumpuan Y 1        | +    | Tumpuan Y 2 | + | Lapangan Y 1 | + | Lapangan Y 2      | =        |
|     |                                  | 35,14              | +    | 35,14       | + | 37,38        | + | 35,14             | = 142,81 |
|     | Total Penulangan Luasan 6        | Arah X             | +    | Arah Y      |   |              |   |                   | =        |
|     |                                  | 135,79             | +    | 142,81      |   |              |   |                   | = 278,60 |
|     | Luasan 7 (Arah X)                |                    |      |             |   |              |   |                   |          |
|     | Lx                               | 2,87               | m    |             |   |              |   |                   |          |
|     | Ly                               | 3,56               | m    |             |   |              |   |                   |          |
|     | 1. Tumpuan X 1                   |                    |      |             |   |              |   |                   |          |
|     | Panjang (a)                      | 2,87               | m    |             |   |              |   |                   |          |
|     | Panjang Total                    | 2,87               | m    |             |   |              |   |                   |          |
|     | Jarak Tulangan                   | 0,20               | m    |             |   |              |   |                   |          |
|     | Ukuran Besi                      | 0,010              | m    |             |   |              |   |                   |          |
|     | Berat Tul                        | 0,617              | Kg/m |             |   |              |   |                   |          |
|     | jumlah besi                      | 9,00               | Bh   |             |   |              |   |                   |          |
|     | Panjang Besi 1 Luasan            | 25,83              | m    |             |   |              |   |                   |          |
|     | Total Luasan                     | 2,00               | Bh   |             |   |              |   |                   |          |
|     | Total Panjang Besi 1 Luasan      | 51,66              | m    |             |   |              |   |                   |          |
|     | Berat Total Besi Tumpuan X 1     | 31,87              | Kg   |             |   |              |   |                   |          |
|     | 2. Tumpuan X 2                   |                    |      |             |   |              |   |                   |          |
|     | Panjang (a)                      | 2,87               | m    |             |   |              |   |                   |          |
|     | Panjang Total                    | 2,87               | m    |             |   |              |   |                   |          |
|     | Jarak Tulangan                   | 0,20               | m    |             |   |              |   |                   |          |
|     | Ukuran Besi                      | 0,010              | m    |             |   |              |   |                   |          |
|     | Berat Tul                        | 0,617              | Kg/m |             |   |              |   |                   |          |
|     | jumlah besi                      | 9,00               | Bh   |             |   |              |   |                   |          |
|     | Panjang Besi 1 Luasan            | 25,83              | m    |             |   |              |   |                   |          |
|     | Total Luasan                     | 2,00               | Bh   |             |   |              |   |                   |          |
|     | Total Panjang Besi 1 Luasan      | 51,66              | m    |             |   |              |   |                   |          |
|     | Berat Total Besi Tumpuan X 2     | 31,87              | Kg   |             |   |              |   |                   |          |
|     | 3. Lapangan X 1                  |                    |      |             |   |              |   |                   |          |
|     | Panjang (a)                      | 1,44               | m    |             |   |              |   |                   |          |
|     | Panjang (b)                      | 0,72               | m    |             |   |              |   |                   |          |
|     | Panjang (c)                      | 0,72               | m    |             |   |              |   |                   |          |
|     | Panjang (d)                      | 0,11               | m    |             |   |              |   |                   |          |
|     | Panjang (e)                      | 0,11               | m    |             |   |              |   |                   |          |
|     | Panjang Total                    | 3,10               | m    |             |   |              |   |                   |          |
|     | Jarak Tulangan                   | 0,20               | m    |             |   |              |   |                   |          |
|     | Ukuran Besi                      | 0,010              | m    |             |   |              |   |                   |          |
|     | Berat Tul                        | 0,617              | Kg/m |             |   |              |   |                   |          |
|     | jumlah besi                      | 9,00               | Bh   |             |   |              |   |                   |          |
|     | Panjang Besi 1 Luasan            | 27,87              | m    |             |   |              |   |                   |          |
|     | Total Luasan                     | 2,00               | Bh   |             |   |              |   |                   |          |
|     | Total Panjang Besi 1 Luasan      | 55,73              | m    |             |   |              |   |                   |          |
|     | Berat Total Besi lapangan X 1    | 34,39              | Kg   |             |   |              |   |                   |          |
|     | 4. Lapangan X 2                  |                    |      |             |   |              |   |                   |          |
|     | Panjang (a)                      | 2,87               | m    |             |   |              |   |                   |          |
|     | Panjang Total                    | 2,87               | m    |             |   |              |   |                   |          |
|     | Jarak Tulangan                   | 0,20               | m    |             |   |              |   |                   |          |
|     | Ukuran Besi                      | 0,010              | m    |             |   |              |   |                   |          |
|     | Berat Tul                        | 0,617              | Kg/m |             |   |              |   |                   |          |
|     | jumlah besi                      | 9,00               | Bh   |             |   |              |   |                   |          |
|     | Panjang Besi 1 Luasan            | 25,83              | m    |             |   |              |   |                   |          |
|     | Total Luasan                     | 2,00               | Bh   |             |   |              |   |                   |          |
|     | Total Panjang Besi 1 Luasan      | 51,66              | m    |             |   |              |   |                   |          |
|     | Berat Total Besi Lapangan X 2    | 31,87              | Kg   |             |   |              |   |                   |          |
|     | Total Penulangan Luasan 7 Arah X | Tumpuan X 1        | +    | Tumpuan X 2 | + | Lapangan X 1 | + | Lapangan X 1      | =        |
|     |                                  | 31,87              | +    | 31,87       | + | 34,39        | + | 31,87             | = 130,01 |

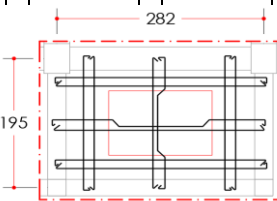


| NO. | URAIAN PEKERJAAN                 | URAIAN PERHITUNGAN |           |             |                   |              | VOLUME | SAT.         |
|-----|----------------------------------|--------------------|-----------|-------------|-------------------|--------------|--------|--------------|
|     |                                  | Panjang (P)        | Lebar (L) | Tinggi (T)  | Banyak Luasan (Q) | Total        |        |              |
| 1   | 2                                | 3                  | 4         | 5           | 6                 | 7            | 8      | 9            |
|     | Luasan 7 (Arah Y)                |                    |           |             |                   |              |        |              |
|     | Lx                               | 2,87               | m         |             |                   |              |        |              |
|     | Ly                               | 3,56               | m         |             |                   |              |        |              |
|     | 1. Tumpuan Y 1                   |                    |           |             |                   |              |        |              |
|     | Panjang (a)                      | 3,56               | m         |             |                   |              |        |              |
|     | Panjang Total                    | 3,56               | m         |             |                   |              |        |              |
|     | Jarak Tulangan                   | 0,20               | m         |             |                   |              |        |              |
|     | Ukuran Besi                      | 0,010              | m         |             |                   |              |        |              |
|     | Berat Tul                        | 0,617              | Kg/m      |             |                   |              |        |              |
|     | jumlah besi                      | 8,00               | Bh        |             |                   |              |        |              |
|     | Panjang Besi 1 Luasan            | 28,48              | m         |             |                   |              |        |              |
|     | Total Luasan                     | 2,00               | Bh        |             |                   |              |        |              |
|     | Total Panjang Besi 1 Luasan      | 56,96              | m         |             |                   |              |        |              |
|     | Berat Total Besi Tumpuan Y 1     | 35,14              | Kg        |             |                   |              |        |              |
|     | 2. Tumpuan Y 2                   |                    |           |             |                   |              |        |              |
|     | Panjang (a)                      | 3,56               | m         |             |                   |              |        |              |
|     | Panjang Total                    | 3,56               | m         |             |                   |              |        |              |
|     | Jarak Tulangan                   | 0,20               | m         |             |                   |              |        |              |
|     | Ukuran Besi                      | 0,010              | m         |             |                   |              |        |              |
|     | Berat Tul                        | 0,617              | Kg/m      |             |                   |              |        |              |
|     | jumlah besi                      | 8,00               | Bh        |             |                   |              |        |              |
|     | Panjang Besi 1 Luasan            | 28,48              | m         |             |                   |              |        |              |
|     | Total Luasan                     | 2,00               | Bh        |             |                   |              |        |              |
|     | Total Panjang Besi 1 Luasan      | 56,96              | m         |             |                   |              |        |              |
|     | Berat Total Besi Tumpuan Y 2     | 35,14              | Kg        |             |                   |              |        |              |
|     | 3. Lapangan Y 1                  |                    |           |             |                   |              |        |              |
|     | Panjang (a)                      | 1,78               | m         |             |                   |              |        |              |
|     | Panjang (b)                      | 0,89               | m         |             |                   |              |        |              |
|     |                                  | 0,89               | m         |             |                   |              |        |              |
|     | Panjang (c)                      | 0,11               | m         |             |                   |              |        |              |
|     |                                  | 0,11               | m         |             |                   |              |        |              |
|     | Panjang Total                    | 3,79               | m         |             |                   |              |        |              |
|     | Jarak Tulangan                   | 0,20               | m         |             |                   |              |        |              |
|     | Ukuran Besi                      | 0,010              | m         |             |                   |              |        |              |
|     | Berat Tul                        | 0,617              | Kg/m      |             |                   |              |        |              |
|     | jumlah besi                      | 8,00               | Bh        |             |                   |              |        |              |
|     | Panjang Besi 1 Luasan            | 30,29              | m         |             |                   |              |        |              |
|     | Total Luasan                     | 2,00               | Bh        |             |                   |              |        |              |
|     | Total Panjang Besi 1 Luasan      | 60,58              | m         |             |                   |              |        |              |
|     | Berat Total Besi lapangan Y 1    | 37,38              | Kg        |             |                   |              |        |              |
|     | 4. Lapangan Y 2                  |                    |           |             |                   |              |        |              |
|     | Panjang (a)                      | 3,56               | m         |             |                   |              |        |              |
|     | Panjang Total                    | 3,56               | m         |             |                   |              |        |              |
|     | Jarak Tulangan                   | 0,20               | m         |             |                   |              |        |              |
|     | Ukuran Besi                      | 0,010              | m         |             |                   |              |        |              |
|     | Berat Tul                        | 0,617              | Kg/m      |             |                   |              |        |              |
|     | jumlah besi                      | 8,00               | Bh        |             |                   |              |        |              |
|     | Panjang Besi 1 Luasan            | 28,48              | m         |             |                   |              |        |              |
|     | Total Luasan                     | 2,00               | Bh        |             |                   |              |        |              |
|     | Total Panjang Besi 1 Luasan      | 56,96              | m         |             |                   |              |        |              |
|     | Berat Total Besi Lapangan Y 2    | 35,14              | Kg        |             |                   |              |        |              |
|     | Total Penulangan Luasan 7 Arah Y | Tumpuan Y 1        | +         | Tumpuan Y 2 | +                 | Lapangan Y 1 | +      | Lapangan Y 2 |
|     |                                  | 35,14              | +         | 35,14       | +                 | 37,38        | +      | 35,14        |
|     |                                  |                    |           |             |                   |              | =      | 142,81       |
|     | Total Penulangan Luasan 7        | Arah X             | +         | Arah Y      |                   |              |        |              |
|     |                                  | 130,01             | +         | 142,81      |                   |              | =      | 272,82       |
|     | Luasan 8 (Arah X)                |                    |           |             |                   |              |        |              |
|     | Lx                               | 2,84               | m         |             |                   |              |        |              |
|     | Ly                               | 3,56               | m         |             |                   |              |        |              |
|     | 1. Tumpuan X 1                   |                    |           |             |                   |              |        |              |
|     | Panjang (a)                      | 2,84               | m         |             |                   |              |        |              |
|     | Panjang Total                    | 2,84               | m         |             |                   |              |        |              |
|     | Jarak Tulangan                   | 0,20               | m         |             |                   |              |        |              |
|     | Ukuran Besi                      | 0,010              | m         |             |                   |              |        |              |
|     | Berat Tul                        | 0,617              | Kg/m      |             |                   |              |        |              |
|     | jumlah besi                      | 9,00               | Bh        |             |                   |              |        |              |
|     | Panjang Besi 1 Luasan            | 25,56              | m         |             |                   |              |        |              |
|     | Total Luasan                     | 10,00              | Bh        |             |                   |              |        |              |
|     | Total Panjang Besi 1 Luasan      | 255,60             | m         |             |                   |              |        |              |
|     | Berat Total Besi Tumpuan X 1     | 157,71             | Kg        |             |                   |              |        |              |

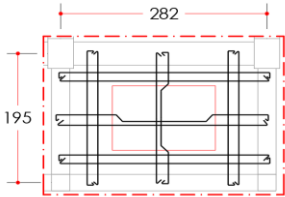
| NO. | URAIAN PEKERJAAN                 | URAIAN PERHITUNGAN |      |             |   |              |                   | VOLUME       | SAT.   |
|-----|----------------------------------|--------------------|------|-------------|---|--------------|-------------------|--------------|--------|
|     |                                  | Panjang (P)        |      | Lebar (L)   |   | Tinggi (T)   | Banyak Luasan (Q) | Total        |        |
| 1   | 2                                | 3                  |      | 4           |   | 5            | 6                 | 7            | 8      |
|     | 2. Tumpuan X 2                   |                    |      |             |   |              |                   |              |        |
|     | Panjang (a)                      | 2,84               | m    |             |   |              |                   |              |        |
|     | Panjang Total                    | 2,84               | m    |             |   |              |                   |              |        |
|     | Jarak Tulangan                   | 0,20               | m    |             |   |              |                   |              |        |
|     | Ukuran Besi                      | 0,010              | m    |             |   |              |                   |              |        |
|     | Berat Tul                        | 0,617              | Kg/m |             |   |              |                   |              |        |
|     | jumlah besi                      | 9,00               | Bh   |             |   |              |                   |              |        |
|     | Panjang Besi 1 Luasan            | 25,56              | m    |             |   |              |                   |              |        |
|     | Total Luasan                     | 10,00              | Bh   |             |   |              |                   |              |        |
|     | Total Panjang Besi 1 Luasan      | 255,60             | m    |             |   |              |                   |              |        |
|     | Berat Total Besi Tumpuan X 2     | 157,71             | Kg   |             |   |              |                   |              |        |
|     | 3. Lapangan X 1                  |                    |      |             |   |              |                   |              |        |
|     | Panjang (a)                      | 1,42               | m    |             |   |              |                   |              |        |
|     | Panjang (b)                      | 0,71               | m    |             |   |              |                   |              |        |
|     |                                  | 0,71               | m    |             |   |              |                   |              |        |
|     | Panjang (c)                      | 0,11               | m    |             |   |              |                   |              |        |
|     |                                  | 0,11               | m    |             |   |              |                   |              |        |
|     | Panjang Total                    | 3,07               | m    |             |   |              |                   |              |        |
|     | Jarak Tulangan                   | 0,20               | m    |             |   |              |                   |              |        |
|     | Ukuran Besi                      | 0,010              | m    |             |   |              |                   |              |        |
|     | Berat Tul                        | 0,617              | Kg/m |             |   |              |                   |              |        |
|     | jumlah besi                      | 9,00               | Bh   |             |   |              |                   |              |        |
|     | Panjang Besi 1 Luasan            | 27,60              | m    |             |   |              |                   |              |        |
|     | Total Luasan                     | 10,00              | Bh   |             |   |              |                   |              |        |
|     | Total Panjang Besi 1 Luasan      | 275,96             | m    |             |   |              |                   |              |        |
|     | Berat Total Besi lapangan X 1    | 170,27             | Kg   |             |   |              |                   |              |        |
|     | 4. Lapangan X 2                  |                    |      |             |   |              |                   |              |        |
|     | Panjang (a)                      | 2,84               | m    |             |   |              |                   |              |        |
|     | Panjang Total                    | 2,84               | m    |             |   |              |                   |              |        |
|     | Jarak Tulangan                   | 0,20               | m    |             |   |              |                   |              |        |
|     | Ukuran Besi                      | 0,010              | m    |             |   |              |                   |              |        |
|     | Berat Tul                        | 0,617              | Kg/m |             |   |              |                   |              |        |
|     | jumlah besi                      | 9,00               | Bh   |             |   |              |                   |              |        |
|     | Panjang Besi 1 Luasan            | 25,56              | m    |             |   |              |                   |              |        |
|     | Total Luasan                     | 10,00              | Bh   |             |   |              |                   |              |        |
|     | Total Panjang Besi 1 Luasan      | 255,60             | m    |             |   |              |                   |              |        |
|     | Berat Total Besi Lapangan X 2    | 157,71             | Kg   |             |   |              |                   |              |        |
|     | Total Penulangan Luasan 8 Arah X | Tumpuan X 1        | +    | Tumpuan X 2 | + | Lapangan X 1 | +                 | Lapangan X 1 | =      |
|     |                                  | 157,71             | +    | 157,71      | + | 170,27       | +                 | 157,71       | 643,39 |
|     | Luasan 8 (Arah Y)                |                    |      |             |   |              |                   |              |        |
|     | Lx                               | 2,84               | m    |             |   |              |                   |              |        |
|     | Ly                               | 3,56               | m    |             |   |              |                   |              |        |
|     | 1. Tumpuan Y 1                   |                    |      |             |   |              |                   |              |        |
|     | Panjang (a)                      | 3,56               | m    |             |   |              |                   |              |        |
|     | Panjang Total                    | 3,56               | m    |             |   |              |                   |              |        |
|     | Jarak Tulangan                   | 0,20               | m    |             |   |              |                   |              |        |
|     | Ukuran Besi                      | 0,010              | m    |             |   |              |                   |              |        |
|     | Berat Tul                        | 0,617              | Kg/m |             |   |              |                   |              |        |
|     | jumlah besi                      | 8,00               | Bh   |             |   |              |                   |              |        |
|     | Panjang Besi 1 Luasan            | 28,48              | m    |             |   |              |                   |              |        |
|     | Total Luasan                     | 10,00              | Bh   |             |   |              |                   |              |        |
|     | Total Panjang Besi 1 Luasan      | 284,80             | m    |             |   |              |                   |              |        |
|     | Berat Total Besi Tumpuan Y 1     | 175,72             | Kg   |             |   |              |                   |              |        |
|     | 2. Tumpuan Y 2                   |                    |      |             |   |              |                   |              |        |
|     | Panjang (a)                      | 3,56               | m    |             |   |              |                   |              |        |
|     | Panjang Total                    | 3,56               | m    |             |   |              |                   |              |        |
|     | Jarak Tulangan                   | 0,20               | m    |             |   |              |                   |              |        |
|     | Ukuran Besi                      | 0,010              | m    |             |   |              |                   |              |        |
|     | Berat Tul                        | 0,617              | Kg/m |             |   |              |                   |              |        |
|     | jumlah besi                      | 8,00               | Bh   |             |   |              |                   |              |        |
|     | Panjang Besi 1 Luasan            | 28,48              | m    |             |   |              |                   |              |        |
|     | Total Luasan                     | 10,00              | Bh   |             |   |              |                   |              |        |
|     | Total Panjang Besi 1 Luasan      | 284,80             | m    |             |   |              |                   |              |        |
|     | Berat Total Besi Tumpuan Y 2     | 175,72             | Kg   |             |   |              |                   |              |        |



| NO. | URAIAN PEKERJAAN                 | URAIAN PERHITUNGAN |      |             |   |              |                   | VOLUME       | SAT. |         |
|-----|----------------------------------|--------------------|------|-------------|---|--------------|-------------------|--------------|------|---------|
|     |                                  | Panjang (P)        |      | Lebar (L)   |   | Tinggi (T)   | Banyak Luasan (Q) |              |      | Total   |
| 1   | 2                                | 3                  |      | 4           |   | 5            | 6                 | 7            | 8    | 9       |
|     | 3. Lapangan Y 1                  |                    |      |             |   |              |                   |              |      |         |
|     | Panjang (a)                      | 1,78               | m    |             |   |              |                   |              |      |         |
|     | Panjang (b)                      | 0,89               | m    |             |   |              |                   |              |      |         |
|     |                                  | 0,89               | m    |             |   |              |                   |              |      |         |
|     | Panjang (c)                      | 0,11               | m    |             |   |              |                   |              |      |         |
|     |                                  | 0,11               | m    |             |   |              |                   |              |      |         |
|     | Panjang Total                    | 3,79               | m    |             |   |              |                   |              |      |         |
|     | Jarak Tulangan                   | 0,20               | m    |             |   |              |                   |              |      |         |
|     | Ukuran Besi                      | 0,010              | m    |             |   |              |                   |              |      |         |
|     | Berat Tul                        | 0,617              | Kg/m |             |   |              |                   |              |      |         |
|     | jumlah besi                      | 8,00               | Bh   |             |   |              |                   |              |      |         |
|     | Panjang Besi 1 Luasan            | 30,29              | m    |             |   |              |                   |              |      |         |
|     | Total Luasan                     | 10,00              | Bh   |             |   |              |                   |              |      |         |
|     | Total Panjang Besi 1 Luasan      | 302,90             | m    |             |   |              |                   |              |      |         |
|     | Berat Total Besi lapangan Y 1    | 186,89             | Kg   |             |   |              |                   |              |      |         |
|     | 4. Lapangan Y 2                  |                    |      |             |   |              |                   |              |      |         |
|     | Panjang (a)                      | 3,56               | m    |             |   |              |                   |              |      |         |
|     | Panjang Total                    | 3,56               | m    |             |   |              |                   |              |      |         |
|     | Jarak Tulangan                   | 0,20               | m    |             |   |              |                   |              |      |         |
|     | Ukuran Besi                      | 0,010              | m    |             |   |              |                   |              |      |         |
|     | Berat Tul                        | 0,617              | Kg/m |             |   |              |                   |              |      |         |
|     | jumlah besi                      | 8,00               | Bh   |             |   |              |                   |              |      |         |
|     | Panjang Besi 1 Luasan            | 28,48              | m    |             |   |              |                   |              |      |         |
|     | Total Luasan                     | 10,00              | Bh   |             |   |              |                   |              |      |         |
|     | Total Panjang Besi 1 Luasan      | 284,80             | m    |             |   |              |                   |              |      |         |
|     | Berat Total Besi Lapangan Y 2    | 175,72             | Kg   |             |   |              |                   |              |      |         |
|     | Total Penulangan Luasan 8 Arah Y | Tumpuan Y 1        | +    | Tumpuan Y 2 | + | Lapangan Y 1 | +                 | Lapangan Y 2 | =    |         |
|     |                                  | 175,72             | +    | 175,72      | + | 186,89       | +                 | 175,72       | =    | 714,06  |
|     | Total Penulangan Luasan 8        | Arah X             | +    | Arah Y      |   |              |                   |              | =    |         |
|     |                                  | 643,39             | +    | 714,06      |   |              |                   |              | =    | 1357,44 |
|     | Luasan 9 (Arah X)                |                    |      |             |   |              |                   |              |      |         |
|     | Lx                               | 2,82               | m    |             |   |              |                   |              |      |         |
|     | Ly                               | 1,95               | m    |             |   |              |                   |              |      |         |
|     | 1. Tumpuan X 1                   |                    |      |             |   |              |                   |              |      |         |
|     | Panjang (a)                      | 2,82               | m    |             |   |              |                   |              |      |         |
|     | Panjang Total                    | 2,82               | m    |             |   |              |                   |              |      |         |
|     | Jarak Tulangan                   | 0,20               | m    |             |   |              |                   |              |      |         |
|     | Ukuran Besi                      | 0,010              | m    |             |   |              |                   |              |      |         |
|     | Berat Tul                        | 0,617              | Kg/m |             |   |              |                   |              |      |         |
|     | jumlah besi                      | 5,00               | Bh   |             |   |              |                   |              |      |         |
|     | Panjang Besi 1 Luasan            | 14,10              | m    |             |   |              |                   |              |      |         |
|     | Total Luasan                     | 5,00               | Bh   |             |   |              |                   |              |      |         |
|     | Total Panjang Besi 1 Luasan      | 70,50              | m    |             |   |              |                   |              |      |         |
|     | Berat Total Besi Tumpuan X 1     | 43,50              | Kg   |             |   |              |                   |              |      |         |
|     | 2. Tumpuan X 2                   |                    |      |             |   |              |                   |              |      |         |
|     | Panjang (a)                      | 2,82               | m    |             |   |              |                   |              |      |         |
|     | Panjang Total                    | 2,82               | m    |             |   |              |                   |              |      |         |
|     | Jarak Tulangan                   | 0,20               | m    |             |   |              |                   |              |      |         |
|     | Ukuran Besi                      | 0,010              | m    |             |   |              |                   |              |      |         |
|     | Berat Tul                        | 0,617              | Kg/m |             |   |              |                   |              |      |         |
|     | jumlah besi                      | 5,00               | Bh   |             |   |              |                   |              |      |         |
|     | Panjang Besi 1 Luasan            | 14,10              | m    |             |   |              |                   |              |      |         |
|     | Total Luasan                     | 5,00               | Bh   |             |   |              |                   |              |      |         |
|     | Total Panjang Besi 1 Luasan      | 70,50              | m    |             |   |              |                   |              |      |         |
|     | Berat Total Besi Tumpuan X 2     | 43,50              | Kg   |             |   |              |                   |              |      |         |
|     | 3. Lapangan X 1                  |                    |      |             |   |              |                   |              |      |         |
|     | Panjang (a)                      | 1,41               | m    |             |   |              |                   |              |      |         |
|     | Panjang (b)                      | 0,71               | m    |             |   |              |                   |              |      |         |
|     |                                  | 0,71               | m    |             |   |              |                   |              |      |         |
|     | Panjang (c)                      | 0,11               | m    |             |   |              |                   |              |      |         |
|     |                                  | 0,11               | m    |             |   |              |                   |              |      |         |
|     | Panjang Total                    | 3,05               | m    |             |   |              |                   |              |      |         |
|     | Jarak Tulangan                   | 0,20               | m    |             |   |              |                   |              |      |         |
|     | Ukuran Besi                      | 0,010              | m    |             |   |              |                   |              |      |         |
|     | Berat Tul                        | 0,617              | Kg/m |             |   |              |                   |              |      |         |
|     | jumlah besi                      | 5,00               | Bh   |             |   |              |                   |              |      |         |
|     | Panjang Besi 1 Luasan            | 15,23              | m    |             |   |              |                   |              |      |         |
|     | Total Luasan                     | 5,00               | Bh   |             |   |              |                   |              |      |         |
|     | Total Panjang Besi 1 Luasan      | 76,16              | m    |             |   |              |                   |              |      |         |
|     | Berat Total Besi lapangan X 1    | 46,99              | Kg   |             |   |              |                   |              |      |         |



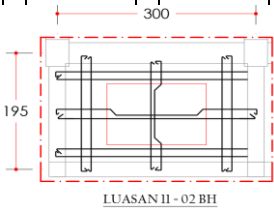
| NO. | URAIAN PEKERJAAN                 | URAIAN PERHITUNGAN |      |             |   |              |                   | VOLUME       | SAT.     |
|-----|----------------------------------|--------------------|------|-------------|---|--------------|-------------------|--------------|----------|
|     |                                  | Panjang (P)        |      | Lebar (L)   |   | Tinggi (T)   | Banyak Luasan (Q) | Total        |          |
| 1   | 2                                | 3                  |      | 4           |   | 5            | 6                 | 7            | 8        |
|     | 4. Lapangan X 2                  |                    |      |             |   |              |                   |              |          |
|     | Panjang (a)                      | 2,82               | m    |             |   |              |                   |              |          |
|     | Panjang Total                    | 2,82               | m    |             |   |              |                   |              |          |
|     | Jarak Tulangan                   | 0,20               | m    |             |   |              |                   |              |          |
|     | Ukuran Besi                      | 0,010              | m    |             |   |              |                   |              |          |
|     | Berat Tul                        | 0,617              | Kg/m |             |   |              |                   |              |          |
|     | jumlah besi                      | 5,00               | Bh   |             |   |              |                   |              |          |
|     | Panjang Besi 1 Luasan            | 14,10              | m    |             |   |              |                   |              |          |
|     | Total Luasan                     | 5,00               | Bh   |             |   |              |                   |              |          |
|     | Total Panjang Besi 1 Luasan      | 70,50              | m    |             |   |              |                   |              |          |
|     | Berat Total Besi Lapangan X 2    | 43,50              | Kg   |             |   |              |                   |              |          |
|     | Total Penulangan Luasan 9 Arah X | Tumpuan X 1        | +    | Tumpuan X 2 | + | Lapangan X 1 | +                 | Lapangan X 1 |          |
|     |                                  | 43,50              | +    | 43,50       | + | 46,99        | +                 | 43,50        | = 177,48 |
|     | Luasan 9 (Arah Y)                |                    |      |             |   |              |                   |              |          |
|     | Lx                               | 2,82               | m    |             |   |              |                   |              |          |
|     | Ly                               | 1,95               | m    |             |   |              |                   |              |          |
|     | 1. Tumpuan Y 1                   |                    |      |             |   |              |                   |              |          |
|     | Panjang (a)                      | 1,95               | m    |             |   |              |                   |              |          |
|     | Panjang Total                    | 1,95               | m    |             |   |              |                   |              |          |
|     | Jarak Tulangan                   | 0,20               | m    |             |   |              |                   |              |          |
|     | Ukuran Besi                      | 0,010              | m    |             |   |              |                   |              |          |
|     | Berat Tul                        | 0,617              | Kg/m |             |   |              |                   |              |          |
|     | jumlah besi                      | 8,00               | Bh   |             |   |              |                   |              |          |
|     | Panjang Besi 1 Luasan            | 15,60              | m    |             |   |              |                   |              |          |
|     | Total Luasan                     | 5,00               | Bh   |             |   |              |                   |              |          |
|     | Total Panjang Besi 1 Luasan      | 78,00              | m    |             |   |              |                   |              |          |
|     | Berat Total Besi Tumpuan Y 1     | 48,13              | Kg   |             |   |              |                   |              |          |
|     | 2. Tumpuan Y 2                   |                    |      |             |   |              |                   |              |          |
|     | Panjang (a)                      | 1,95               | m    |             |   |              |                   |              |          |
|     | Panjang Total                    | 1,95               | m    |             |   |              |                   |              |          |
|     | Jarak Tulangan                   | 0,20               | m    |             |   |              |                   |              |          |
|     | Ukuran Besi                      | 0,010              | m    |             |   |              |                   |              |          |
|     | Berat Tul                        | 0,617              | Kg/m |             |   |              |                   |              |          |
|     | jumlah besi                      | 8,00               | Bh   |             |   |              |                   |              |          |
|     | Panjang Besi 1 Luasan            | 15,60              | m    |             |   |              |                   |              |          |
|     | Total Luasan                     | 5,00               | Bh   |             |   |              |                   |              |          |
|     | Total Panjang Besi 1 Luasan      | 78,00              | m    |             |   |              |                   |              |          |
|     | Berat Total Besi Tumpuan Y 2     | 48,13              | Kg   |             |   |              |                   |              |          |
|     | 3. Lapangan Y 1                  |                    |      |             |   |              |                   |              |          |
|     | Panjang (a)                      | 0,98               | m    |             |   |              |                   |              |          |
|     | Panjang (b)                      | 0,49               | m    |             |   |              |                   |              |          |
|     | Panjang (c)                      | 0,11               | m    |             |   |              |                   |              |          |
|     | Panjang Total                    | 2,18               | m    |             |   |              |                   |              |          |
|     | Jarak Tulangan                   | 0,20               | m    |             |   |              |                   |              |          |
|     | Ukuran Besi                      | 0,010              | m    |             |   |              |                   |              |          |
|     | Berat Tul                        | 0,617              | Kg/m |             |   |              |                   |              |          |
|     | jumlah besi                      | 8,00               | Bh   |             |   |              |                   |              |          |
|     | Panjang Besi 1 Luasan            | 17,41              | m    |             |   |              |                   |              |          |
|     | Total Luasan                     | 5,00               | Bh   |             |   |              |                   |              |          |
|     | Total Panjang Besi 1 Luasan      | 87,05              | m    |             |   |              |                   |              |          |
|     | Berat Total Besi lapangan Y 1    | 53,71              | Kg   |             |   |              |                   |              |          |
|     | 4. Lapangan Y 2                  |                    |      |             |   |              |                   |              |          |
|     | Panjang (a)                      | 1,95               | m    |             |   |              |                   |              |          |
|     | Panjang Total                    | 1,95               | m    |             |   |              |                   |              |          |
|     | Jarak Tulangan                   | 0,20               | m    |             |   |              |                   |              |          |
|     | Ukuran Besi                      | 0,010              | m    |             |   |              |                   |              |          |
|     | Berat Tul                        | 0,617              | Kg/m |             |   |              |                   |              |          |
|     | jumlah besi                      | 8,00               | Bh   |             |   |              |                   |              |          |
|     | Panjang Besi 1 Luasan            | 15,60              | m    |             |   |              |                   |              |          |
|     | Total Luasan                     | 5,00               | Bh   |             |   |              |                   |              |          |
|     | Total Panjang Besi 1 Luasan      | 78,00              | m    |             |   |              |                   |              |          |
|     | Berat Total Besi Lapangan Y 2    | 48,13              | Kg   |             |   |              |                   |              |          |
|     | Total Penulangan Luasan 9 Arah Y | Tumpuan Y 1        | +    | Tumpuan Y 2 | + | Lapangan Y 1 | +                 | Lapangan Y 2 |          |
|     |                                  | 48,13              | +    | 48,13       | + | 53,71        | +                 | 48,13        | = 198,09 |
|     | Total Penulangan Luasan 9        | Arah X             | +    | Arah Y      |   |              |                   |              |          |
|     |                                  | 177,48             | +    | 198,09      |   |              |                   | = 375,57     |          |



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| NO. | URAIAN PEKERJAAN                  | URAIAN PERHITUNGAN |           |             |                   |              | VOLUME | SAT.         |
|-----|-----------------------------------|--------------------|-----------|-------------|-------------------|--------------|--------|--------------|
|     |                                   | Panjang (P)        | Lebar (L) | Tinggi (T)  | Banyak Luasan (Q) | Total        |        |              |
| 1   | 2                                 | 3                  | 4         | 5           | 6                 | 7            | 8      | 9            |
|     | Luasan 10 (Arah X)                |                    |           |             |                   |              |        |              |
|     | Lx                                | 2,87               | m         |             |                   |              |        |              |
|     | Ly                                | 1,95               | m         |             |                   |              |        |              |
|     | 1. Tumpuan X 1                    |                    |           |             |                   |              |        |              |
|     | Panjang (a)                       | 2,87               | m         |             |                   |              |        |              |
|     | Panjang Total                     | 2,87               | m         |             |                   |              |        |              |
|     | Jarak Tulangan                    | 0,20               | m         |             |                   |              |        |              |
|     | Ukuran Besi                       | 0,010              | m         |             |                   |              |        |              |
|     | Berat Tul                         | 0,617              | Kg/m      |             |                   |              |        |              |
|     | jumlah besi                       | 5,00               | Bh        |             |                   |              |        |              |
|     | Panjang Besi 1 Luasan             | 14,35              | m         |             |                   |              |        |              |
|     | Total Luasan                      | 1,00               | Bh        |             |                   |              |        |              |
|     | Total Panjang Besi 1 Luasan       | 14,35              | m         |             |                   |              |        |              |
|     | Berat Total Besi Tumpuan X 1      | 8,85               | Kg        |             |                   |              |        |              |
|     | 2. Tumpuan X 2                    |                    |           |             |                   |              |        |              |
|     | Panjang (a)                       | 2,87               | m         |             |                   |              |        |              |
|     | Panjang Total                     | 2,87               | m         |             |                   |              |        |              |
|     | Jarak Tulangan                    | 0,20               | m         |             |                   |              |        |              |
|     | Ukuran Besi                       | 0,010              | m         |             |                   |              |        |              |
|     | Berat Tul                         | 0,617              | Kg/m      |             |                   |              |        |              |
|     | jumlah besi                       | 5,00               | Bh        |             |                   |              |        |              |
|     | Panjang Besi 1 Luasan             | 14,35              | m         |             |                   |              |        |              |
|     | Total Luasan                      | 1,00               | Bh        |             |                   |              |        |              |
|     | Total Panjang Besi 1 Luasan       | 14,35              | m         |             |                   |              |        |              |
|     | Berat Total Besi Tumpuan X 2      | 8,85               | Kg        |             |                   |              |        |              |
|     | 3. Lapangan X 1                   |                    |           |             |                   |              |        |              |
|     | Panjang (a)                       | 1,44               | m         |             |                   |              |        |              |
|     | Panjang (b)                       | 0,72               | m         |             |                   |              |        |              |
|     |                                   | 0,72               | m         |             |                   |              |        |              |
|     | Panjang (c)                       | 0,11               | m         |             |                   |              |        |              |
|     |                                   | 0,11               | m         |             |                   |              |        |              |
|     | Panjang Total                     | 3,10               | m         |             |                   |              |        |              |
|     | Jarak Tulangan                    | 0,20               | m         |             |                   |              |        |              |
|     | Ukuran Besi                       | 0,010              | m         |             |                   |              |        |              |
|     | Berat Tul                         | 0,617              | Kg/m      |             |                   |              |        |              |
|     | jumlah besi                       | 5,00               | Bh        |             |                   |              |        |              |
|     | Panjang Besi 1 Luasan             | 15,48              | m         |             |                   |              |        |              |
|     | Total Luasan                      | 1,00               | Bh        |             |                   |              |        |              |
|     | Total Panjang Besi 1 Luasan       | 15,48              | m         |             |                   |              |        |              |
|     | Berat Total Besi lapangan X 1     | 9,55               | Kg        |             |                   |              |        |              |
|     | 4. Lapangan X 2                   |                    |           |             |                   |              |        |              |
|     | Panjang (a)                       | 2,87               | m         |             |                   |              |        |              |
|     | Panjang Total                     | 2,87               | m         |             |                   |              |        |              |
|     | Jarak Tulangan                    | 0,20               | m         |             |                   |              |        |              |
|     | Ukuran Besi                       | 0,010              | m         |             |                   |              |        |              |
|     | Berat Tul                         | 0,617              | Kg/m      |             |                   |              |        |              |
|     | jumlah besi                       | 5,00               | Bh        |             |                   |              |        |              |
|     | Panjang Besi 1 Luasan             | 14,35              | m         |             |                   |              |        |              |
|     | Total Luasan                      | 1,00               | Bh        |             |                   |              |        |              |
|     | Total Panjang Besi 1 Luasan       | 14,35              | m         |             |                   |              |        |              |
|     | Berat Total Besi Lapangan X 2     | 8,85               | Kg        |             |                   |              |        |              |
|     | Total Penulangan Luasan 10 Arah X | Tumpuan X 1        | +         | Tumpuan X 2 | +                 | Lapangan X 1 | +      | Lapangan X 1 |
|     |                                   | 8,85               | +         | 8,85        | +                 | 9,55         | +      | 8,85         |
|     |                                   |                    |           |             |                   | =            |        | 36,11        |
|     | Luasan 10 (Arah Y)                |                    |           |             |                   |              |        |              |
|     | Lx                                | 2,87               | m         |             |                   |              |        |              |
|     | Ly                                | 1,95               | m         |             |                   |              |        |              |
|     | 1. Tumpuan Y 1                    |                    |           |             |                   |              |        |              |
|     | Panjang (a)                       | 1,95               | m         |             |                   |              |        |              |
|     | Panjang Total                     | 1,95               | m         |             |                   |              |        |              |
|     | Jarak Tulangan                    | 0,20               | m         |             |                   |              |        |              |
|     | Ukuran Besi                       | 0,010              | m         |             |                   |              |        |              |
|     | Berat Tul                         | 0,617              | Kg/m      |             |                   |              |        |              |
|     | jumlah besi                       | 8,00               | Bh        |             |                   |              |        |              |
|     | Panjang Besi 1 Luasan             | 15,60              | m         |             |                   |              |        |              |
|     | Total Luasan                      | 1,00               | Bh        |             |                   |              |        |              |
|     | Total Panjang Besi 1 Luasan       | 15,60              | m         |             |                   |              |        |              |
|     | Berat Total Besi Tumpuan Y 1      | 9,63               | Kg        |             |                   |              |        |              |

| NO. | URAIAN PEKERJAAN                  | URAIAN PERHITUNGAN |      |             |   |              |                   | VOLUME       | SAT.    |
|-----|-----------------------------------|--------------------|------|-------------|---|--------------|-------------------|--------------|---------|
|     |                                   | Panjang (P)        |      | Lebar (L)   |   | Tinggi (T)   | Banyak Luasan (Q) | Total        |         |
| 1   | 2                                 | 3                  |      | 4           |   | 5            | 6                 | 7            | 8       |
|     | 2. Tumpuan Y 2                    |                    |      |             |   |              |                   |              |         |
|     | Panjang (a)                       | 1,95               | m    |             |   |              |                   |              |         |
|     | Panjang Total                     | 1,95               | m    |             |   |              |                   |              |         |
|     | Jarak Tulangan                    | 0,20               | m    |             |   |              |                   |              |         |
|     | Ukuran Besi                       | 0,010              | m    |             |   |              |                   |              |         |
|     | Berat Tul                         | 0,617              | Kg/m |             |   |              |                   |              |         |
|     | jumlah besi                       | 8,00               | Bh   |             |   |              |                   |              |         |
|     | Panjang Besi 1 Luasan             | 15,60              | m    |             |   |              |                   |              |         |
|     | Total Luasan                      | 1,00               | Bh   |             |   |              |                   |              |         |
|     | Total Panjang Besi 1 Luasan       | 15,60              | m    |             |   |              |                   |              |         |
|     | Berat Total Besi Tumpuan Y 2      | 9,63               | Kg   |             |   |              |                   |              |         |
|     | 3. Lapangan Y 1                   |                    |      |             |   |              |                   |              |         |
|     | Panjang (a)                       | 0,98               | m    |             |   |              |                   |              |         |
|     | Panjang (b)                       | 0,49               | m    |             |   |              |                   |              |         |
|     |                                   | 0,49               | m    |             |   |              |                   |              |         |
|     | Panjang (c)                       | 0,11               | m    |             |   |              |                   |              |         |
|     |                                   | 0,11               | m    |             |   |              |                   |              |         |
|     | Panjang Total                     | 2,18               | m    |             |   |              |                   |              |         |
|     | Jarak Tulangan                    | 0,20               | m    |             |   |              |                   |              |         |
|     | Ukuran Besi                       | 0,010              | m    |             |   |              |                   |              |         |
|     | Berat Tul                         | 0,617              | Kg/m |             |   |              |                   |              |         |
|     | jumlah besi                       | 8,00               | Bh   |             |   |              |                   |              |         |
|     | Panjang Besi 1 Luasan             | 17,41              | m    |             |   |              |                   |              |         |
|     | Total Luasan                      | 1,00               | Bh   |             |   |              |                   |              |         |
|     | Total Panjang Besi 1 Luasan       | 17,41              | m    |             |   |              |                   |              |         |
|     | Berat Total Besi lapangan Y 1     | 10,74              | Kg   |             |   |              |                   |              |         |
|     | 4. Lapangan Y 2                   |                    |      |             |   |              |                   |              |         |
|     | Panjang (a)                       | 1,95               | m    |             |   |              |                   |              |         |
|     | Panjang Total                     | 1,95               | m    |             |   |              |                   |              |         |
|     | Jarak Tulangan                    | 0,20               | m    |             |   |              |                   |              |         |
|     | Ukuran Besi                       | 0,010              | m    |             |   |              |                   |              |         |
|     | Berat Tul                         | 0,617              | Kg/m |             |   |              |                   |              |         |
|     | jumlah besi                       | 8,00               | Bh   |             |   |              |                   |              |         |
|     | Panjang Besi 1 Luasan             | 15,60              | m    |             |   |              |                   |              |         |
|     | Total Luasan                      | 1,00               | Bh   |             |   |              |                   |              |         |
|     | Total Panjang Besi 1 Luasan       | 15,60              | m    |             |   |              |                   |              |         |
|     | Berat Total Besi Lapangan Y 2     | 9,63               | Kg   |             |   |              |                   |              |         |
|     | Total Penulangan Luasan 10 Arah Y | Tumpuan Y 1        | +    | Tumpuan Y 2 | + | Lapangan Y 1 | +                 | Lapangan Y 2 | =       |
|     |                                   | 9,63               | +    | 9,63        | + | 10,74        | +                 | 9,63         | = 39,62 |
|     | Total Penulangan Luasan 10        | Arah X             | +    | Arah Y      |   |              |                   |              | =       |
|     |                                   | 36,11              | +    | 39,62       |   |              |                   |              | = 75,73 |
|     | Luasan 11 (Arah X)                |                    |      |             |   |              |                   |              |         |
|     | Lx                                | 3,00               | m    |             |   |              |                   |              |         |
|     | Ly                                | 1,95               | m    |             |   |              |                   |              |         |
|     | 1. Tumpuan X 1                    |                    |      |             |   |              |                   |              |         |
|     | Panjang (a)                       | 3,00               | m    |             |   |              |                   |              |         |
|     | Panjang Total                     | 3,00               | m    |             |   |              |                   |              |         |
|     | Jarak Tulangan                    | 0,20               | m    |             |   |              |                   |              |         |
|     | Ukuran Besi                       | 0,010              | m    |             |   |              |                   |              |         |
|     | Berat Tul                         | 0,617              | Kg/m |             |   |              |                   |              |         |
|     | jumlah besi                       | 5,00               | Bh   |             |   |              |                   |              |         |
|     | Panjang Besi 1 Luasan             | 15,00              | m    |             |   |              |                   |              |         |
|     | Total Luasan                      | 2,00               | Bh   |             |   |              |                   |              |         |
|     | Total Panjang Besi 1 Luasan       | 30,00              | m    |             |   |              |                   |              |         |
|     | Berat Total Besi Tumpuan X 1      | 18,51              | Kg   |             |   |              |                   |              |         |
|     | 2. Tumpuan X 2                    |                    |      |             |   |              |                   |              |         |
|     | Panjang (a)                       | 3,00               | m    |             |   |              |                   |              |         |
|     | Panjang Total                     | 3,00               | m    |             |   |              |                   |              |         |
|     | Jarak Tulangan                    | 0,20               | m    |             |   |              |                   |              |         |
|     | Ukuran Besi                       | 0,010              | m    |             |   |              |                   |              |         |
|     | Berat Tul                         | 0,617              | Kg/m |             |   |              |                   |              |         |
|     | jumlah besi                       | 5,00               | Bh   |             |   |              |                   |              |         |
|     | Panjang Besi 1 Luasan             | 15,00              | m    |             |   |              |                   |              |         |
|     | Total Luasan                      | 2,00               | Bh   |             |   |              |                   |              |         |
|     | Total Panjang Besi 1 Luasan       | 30,00              | m    |             |   |              |                   |              |         |
|     | Berat Total Besi Tumpuan X 2      | 18,51              | Kg   |             |   |              |                   |              |         |

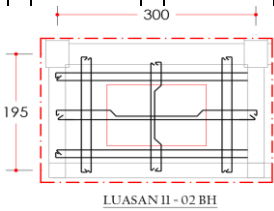


| NO. | URAIAN PEKERJAAN                  | URAIAN PERHITUNGAN |           |             |                   |              | VOLUME | SAT.         |
|-----|-----------------------------------|--------------------|-----------|-------------|-------------------|--------------|--------|--------------|
|     |                                   | Panjang (P)        | Lebar (L) | Tinggi (T)  | Banyak Luasan (Q) | Total        |        |              |
| 1   | 2                                 | 3                  | 4         | 5           | 6                 | 7            | 8      | 9            |
|     | 3. Lapangan X 1                   |                    |           |             |                   |              |        |              |
|     | Panjang (a)                       | 1,50               | m         |             |                   |              |        |              |
|     | Panjang (b)                       | 0,75               | m         |             |                   |              |        |              |
|     |                                   | 0,75               | m         |             |                   |              |        |              |
|     | Panjang (c)                       | 0,11               | m         |             |                   |              |        |              |
|     |                                   | 0,11               | m         |             |                   |              |        |              |
|     | Panjang Total                     | 3,23               | m         |             |                   |              |        |              |
|     | Jarak Tulangan                    | 0,20               | m         |             |                   |              |        |              |
|     | Ukuran Besi                       | 0,010              | m         |             |                   |              |        |              |
|     | Berat Tul                         | 0,617              | Kg/m      |             |                   |              |        |              |
|     | jumlah besi                       | 5,00               | Bh        |             |                   |              |        |              |
|     | Panjang Besi 1 Luasan             | 16,13              | m         |             |                   |              |        |              |
|     | Total Luasan                      | 2,00               | Bh        |             |                   |              |        |              |
|     | Total Panjang Besi 1 Luasan       | 32,26              | m         |             |                   |              |        |              |
|     | Berat Total Besi lapangan X 1     | 19,91              | Kg        |             |                   |              |        |              |
|     | 4. Lapangan X 2                   |                    |           |             |                   |              |        |              |
|     | Panjang (a)                       | 3,00               | m         |             |                   |              |        |              |
|     | Panjang Total                     | 3,00               | m         |             |                   |              |        |              |
|     | Jarak Tulangan                    | 0,20               | m         |             |                   |              |        |              |
|     | Ukuran Besi                       | 0,010              | m         |             |                   |              |        |              |
|     | Berat Tul                         | 0,617              | Kg/m      |             |                   |              |        |              |
|     | jumlah besi                       | 5,00               | Bh        |             |                   |              |        |              |
|     | Panjang Besi 1 Luasan             | 15,00              | m         |             |                   |              |        |              |
|     | Total Luasan                      | 2,00               | Bh        |             |                   |              |        |              |
|     | Total Panjang Besi 1 Luasan       | 30,00              | m         |             |                   |              |        |              |
|     | Berat Total Besi Lapangan X 2     | 18,51              | Kg        |             |                   |              |        |              |
|     | Total Penulangan Luasan 11 Arah X | Tumpuan X 1        | +         | Tumpuan X 2 | +                 | Lapangan X 1 | +      | Lapangan X 1 |
|     |                                   | 18,51              | +         | 18,51       | +                 | 19,91        | +      | 18,51        |
|     |                                   |                    |           |             |                   |              | =      | 75,44        |
|     | Luasan 11 (Arah Y)                |                    |           |             |                   |              |        |              |
|     | Lx                                | 3,00               | m         |             |                   |              |        |              |
|     | Ly                                | 1,95               | m         |             |                   |              |        |              |
|     | 1. Tumpuan Y 1                    |                    |           |             |                   |              |        |              |
|     | Panjang (a)                       | 1,95               | m         |             |                   |              |        |              |
|     | Panjang Total                     | 1,95               | m         |             |                   |              |        |              |
|     | Jarak Tulangan                    | 0,20               | m         |             |                   |              |        |              |
|     | Ukuran Besi                       | 0,010              | m         |             |                   |              |        |              |
|     | Berat Tul                         | 0,617              | Kg/m      |             |                   |              |        |              |
|     | jumlah besi                       | 8,00               | Bh        |             |                   |              |        |              |
|     | Panjang Besi 1 Luasan             | 15,60              | m         |             |                   |              |        |              |
|     | Total Luasan                      | 2,00               | Bh        |             |                   |              |        |              |
|     | Total Panjang Besi 1 Luasan       | 31,20              | m         |             |                   |              |        |              |
|     | Berat Total Besi Tumpuan Y 1      | 19,25              | Kg        |             |                   |              |        |              |
|     | 2. Tumpuan Y 2                    |                    |           |             |                   |              |        |              |
|     | Panjang (a)                       | 1,95               | m         |             |                   |              |        |              |
|     | Panjang Total                     | 1,95               | m         |             |                   |              |        |              |
|     | Jarak Tulangan                    | 0,20               | m         |             |                   |              |        |              |
|     | Ukuran Besi                       | 0,010              | m         |             |                   |              |        |              |
|     | Berat Tul                         | 0,617              | Kg/m      |             |                   |              |        |              |
|     | jumlah besi                       | 8,00               | Bh        |             |                   |              |        |              |
|     | Panjang Besi 1 Luasan             | 15,60              | m         |             |                   |              |        |              |
|     | Total Luasan                      | 2,00               | Bh        |             |                   |              |        |              |
|     | Total Panjang Besi 1 Luasan       | 31,20              | m         |             |                   |              |        |              |
|     | Berat Total Besi Tumpuan Y 2      | 19,25              | Kg        |             |                   |              |        |              |
|     | 3. Lapangan Y 1                   |                    |           |             |                   |              |        |              |
|     | Panjang (a)                       | 0,98               | m         |             |                   |              |        |              |
|     | Panjang (b)                       | 0,49               | m         |             |                   |              |        |              |
|     |                                   | 0,49               | m         |             |                   |              |        |              |
|     | Panjang (c)                       | 0,11               | m         |             |                   |              |        |              |
|     |                                   | 0,11               | m         |             |                   |              |        |              |
|     | Panjang Total                     | 2,18               | m         |             |                   |              |        |              |
|     | Jarak Tulangan                    | 0,20               | m         |             |                   |              |        |              |
|     | Ukuran Besi                       | 0,010              | m         |             |                   |              |        |              |
|     | Berat Tul                         | 0,617              | Kg/m      |             |                   |              |        |              |
|     | jumlah besi                       | 8,00               | Bh        |             |                   |              |        |              |
|     | Panjang Besi 1 Luasan             | 17,41              | m         |             |                   |              |        |              |
|     | Total Luasan                      | 2,00               | Bh        |             |                   |              |        |              |
|     | Total Panjang Besi 1 Luasan       | 34,82              | m         |             |                   |              |        |              |
|     | Berat Total Besi lapangan Y 1     | 21,48              | Kg        |             |                   |              |        |              |

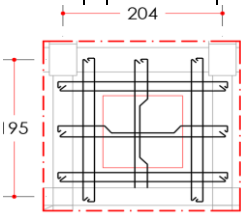
300

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LUASAN II - 02 BH

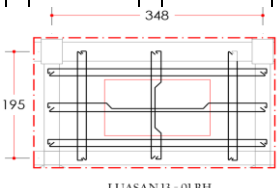


| NO. | URAIAN PEKERJAAN                  | URAIAN PERHITUNGAN |      |             |   |              |                   | VOLUME       | SAT.     |
|-----|-----------------------------------|--------------------|------|-------------|---|--------------|-------------------|--------------|----------|
|     |                                   | Panjang (P)        |      | Lebar (L)   |   | Tinggi (T)   | Banyak Luasan (Q) | Total        |          |
| 1   | 2                                 | 3                  |      | 4           |   | 5            | 6                 | 7            | 8        |
|     | 4. Lapangan Y 2                   |                    |      |             |   |              |                   |              |          |
|     | Panjang (a)                       | 1,95               | m    |             |   |              |                   |              |          |
|     | Panjang Total                     | 1,95               | m    |             |   |              |                   |              |          |
|     | Jarak Tulangan                    | 0,20               | m    |             |   |              |                   |              |          |
|     | Ukuran Besi                       | 0,010              | m    |             |   |              |                   |              |          |
|     | Berat Tul                         | 0,617              | Kg/m |             |   |              |                   |              |          |
|     | jumlah besi                       | 8,00               | Bh   |             |   |              |                   |              |          |
|     | Panjang Besi 1 Luasan             | 15,60              | m    |             |   |              |                   |              |          |
|     | Total Luasan                      | 2,00               | Bh   |             |   |              |                   |              |          |
|     | Total Panjang Besi 1 Luasan       | 31,20              | m    |             |   |              |                   |              |          |
|     | Berat Total Besi Lapangan Y 2     | 19,25              | Kg   |             |   |              |                   |              |          |
|     | Total Penulangan Luasan 11 Arah Y | Tumpuan Y 1        | +    | Tumpuan Y 2 | + | Lapangan Y 1 | +                 | Lapangan Y 2 | =        |
|     |                                   | 19,25              | +    | 19,25       | + | 21,48        | +                 | 19,25        | = 79,24  |
|     | Total Penulangan Luasan 11        | Arah X             | +    | Arah Y      |   |              |                   |              |          |
|     |                                   | 75,44              | +    | 79,24       |   |              |                   |              | = 154,67 |
|     | Luasan 12 (Arah X)                |                    |      |             |   |              |                   |              |          |
|     | Lx                                | 2,04               | m    |             |   |              |                   |              |          |
|     | Ly                                | 1,95               | m    |             |   |              |                   |              |          |
|     | 1. Tumpuan X 1                    |                    |      |             |   |              |                   |              |          |
|     | Panjang (a)                       | 2,04               | m    |             |   |              |                   |              |          |
|     | Panjang Total                     | 2,04               | m    |             |   |              |                   |              |          |
|     | Jarak Tulangan                    | 0,20               | m    |             |   |              |                   |              |          |
|     | Ukuran Besi                       | 0,010              | m    |             |   |              |                   |              |          |
|     | Berat Tul                         | 0,617              | Kg/m |             |   |              |                   |              |          |
|     | jumlah besi                       | 5,00               | Bh   |             |   |              |                   |              |          |
|     | Panjang Besi 1 Luasan             | 10,20              | m    |             |   |              |                   |              |          |
|     | Total Luasan                      | 1,00               | Bh   |             |   |              |                   |              |          |
|     | Total Panjang Besi 1 Luasan       | 10,20              | m    |             |   |              |                   |              |          |
|     | Berat Total Besi Tumpuan X 1      | 6,29               | Kg   |             |   |              |                   |              |          |
|     | 2. Tumpuan X 2                    |                    |      |             |   |              |                   |              |          |
|     | Panjang (a)                       | 2,04               | m    |             |   |              |                   |              |          |
|     | Panjang Total                     | 2,04               | m    |             |   |              |                   |              |          |
|     | Jarak Tulangan                    | 0,20               | m    |             |   |              |                   |              |          |
|     | Ukuran Besi                       | 0,010              | m    |             |   |              |                   |              |          |
|     | Berat Tul                         | 0,617              | Kg/m |             |   |              |                   |              |          |
|     | jumlah besi                       | 5,00               | Bh   |             |   |              |                   |              |          |
|     | Panjang Besi 1 Luasan             | 10,20              | m    |             |   |              |                   |              |          |
|     | Total Luasan                      | 1,00               | Bh   |             |   |              |                   |              |          |
|     | Total Panjang Besi 1 Luasan       | 10,20              | m    |             |   |              |                   |              |          |
|     | Berat Total Besi Tumpuan X 2      | 6,29               | Kg   |             |   |              |                   |              |          |
|     | 3. Lapangan X 1                   |                    |      |             |   |              |                   |              |          |
|     | Panjang (a)                       | 1,02               | m    |             |   |              |                   |              |          |
|     | Panjang (b)                       | 0,51               | m    |             |   |              |                   |              |          |
|     |                                   | 0,51               | m    |             |   |              |                   |              |          |
|     | Panjang (c)                       | 0,11               | m    |             |   |              |                   |              |          |
|     |                                   | 0,11               | m    |             |   |              |                   |              |          |
|     | Panjang Total                     | 2,27               | m    |             |   |              |                   |              |          |
|     | Jarak Tulangan                    | 0,20               | m    |             |   |              |                   |              |          |
|     | Ukuran Besi                       | 0,010              | m    |             |   |              |                   |              |          |
|     | Berat Tul                         | 0,617              | Kg/m |             |   |              |                   |              |          |
|     | jumlah besi                       | 5,00               | Bh   |             |   |              |                   |              |          |
|     | Panjang Besi 1 Luasan             | 11,33              | m    |             |   |              |                   |              |          |
|     | Total Luasan                      | 1,00               | Bh   |             |   |              |                   |              |          |
|     | Total Panjang Besi 1 Luasan       | 11,33              | m    |             |   |              |                   |              |          |
|     | Berat Total Besi lapangan X 1     | 6,99               | Kg   |             |   |              |                   |              |          |
|     | 4. Lapangan X 2                   |                    |      |             |   |              |                   |              |          |
|     | Panjang (a)                       | 2,04               | m    |             |   |              |                   |              |          |
|     | Panjang Total                     | 2,04               | m    |             |   |              |                   |              |          |
|     | Jarak Tulangan                    | 0,20               | m    |             |   |              |                   |              |          |
|     | Ukuran Besi                       | 0,010              | m    |             |   |              |                   |              |          |
|     | Berat Tul                         | 0,617              | Kg/m |             |   |              |                   |              |          |
|     | jumlah besi                       | 5,00               | Bh   |             |   |              |                   |              |          |
|     | Panjang Besi 1 Luasan             | 10,20              | m    |             |   |              |                   |              |          |
|     | Total Luasan                      | 1,00               | Bh   |             |   |              |                   |              |          |
|     | Total Panjang Besi 1 Luasan       | 10,20              | m    |             |   |              |                   |              |          |
|     | Berat Total Besi Lapangan X 2     | 6,29               | Kg   |             |   |              |                   |              |          |
|     | Total Penulangan Luasan 12 Arah X | Tumpuan X 1        | +    | Tumpuan X 2 | + | Lapangan X 1 | +                 | Lapangan X 1 | =        |
|     |                                   | 6,29               | +    | 6,29        | + | 6,99         | +                 | 6,29         | = 25,87  |

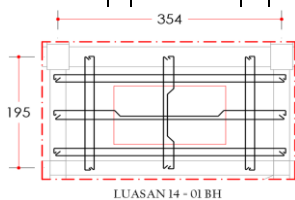


| NO. | URAIAN PEKERJAAN                  | URAIAN PERHITUNGAN |           |             |                   |              | VOLUME | SAT.         |
|-----|-----------------------------------|--------------------|-----------|-------------|-------------------|--------------|--------|--------------|
|     |                                   | Panjang (P)        | Lebar (L) | Tinggi (T)  | Banyak Luasan (Q) | Total        |        |              |
| 1   | 2                                 | 3                  | 4         | 5           | 6                 | 7            | 8      | 9            |
|     | Luasan 12 (Arah Y)                |                    |           |             |                   |              |        |              |
|     | Lx                                | 2,04               | m         |             |                   |              |        |              |
|     | Ly                                | 1,95               | m         |             |                   |              |        |              |
|     | 1. Tumpuan Y 1                    |                    |           |             |                   |              |        |              |
|     | Panjang (a)                       | 1,95               | m         |             |                   |              |        |              |
|     | Panjang Total                     | 1,95               | m         |             |                   |              |        |              |
|     | Jarak Tulangan                    | 0,20               | m         |             |                   |              |        |              |
|     | Ukuran Besi                       | 0,010              | m         |             |                   |              |        |              |
|     | Berat Tul                         | 0,617              | Kg/m      |             |                   |              |        |              |
|     | jumlah besi                       | 6,00               | Bh        |             |                   |              |        |              |
|     | Panjang Besi 1 Luasan             | 11,70              | m         |             |                   |              |        |              |
|     | Total Luasan                      | 1,00               | Bh        |             |                   |              |        |              |
|     | Total Panjang Besi 1 Luasan       | 11,70              | m         |             |                   |              |        |              |
|     | Berat Total Besi Tumpuan Y 1      | 7,22               | Kg        |             |                   |              |        |              |
|     | 2. Tumpuan Y 2                    |                    |           |             |                   |              |        |              |
|     | Panjang (a)                       | 1,95               | m         |             |                   |              |        |              |
|     | Panjang Total                     | 1,95               | m         |             |                   |              |        |              |
|     | Jarak Tulangan                    | 0,20               | m         |             |                   |              |        |              |
|     | Ukuran Besi                       | 0,010              | m         |             |                   |              |        |              |
|     | Berat Tul                         | 0,617              | Kg/m      |             |                   |              |        |              |
|     | jumlah besi                       | 6,00               | Bh        |             |                   |              |        |              |
|     | Panjang Besi 1 Luasan             | 11,70              | m         |             |                   |              |        |              |
|     | Total Luasan                      | 1,00               | Bh        |             |                   |              |        |              |
|     | Total Panjang Besi 1 Luasan       | 11,70              | m         |             |                   |              |        |              |
|     | Berat Total Besi Tumpuan Y 2      | 7,22               | Kg        |             |                   |              |        |              |
|     | 3. Lapangan Y 1                   |                    |           |             |                   |              |        |              |
|     | Panjang (a)                       | 0,98               | m         |             |                   |              |        |              |
|     | Panjang (b)                       | 0,49               | m         |             |                   |              |        |              |
|     |                                   | 0,49               | m         |             |                   |              |        |              |
|     | Panjang (c)                       | 0,11               | m         |             |                   |              |        |              |
|     |                                   | 0,11               | m         |             |                   |              |        |              |
|     | Panjang Total                     | 2,18               | m         |             |                   |              |        |              |
|     | Jarak Tulangan                    | 0,20               | m         |             |                   |              |        |              |
|     | Ukuran Besi                       | 0,010              | m         |             |                   |              |        |              |
|     | Berat Tul                         | 0,617              | Kg/m      |             |                   |              |        |              |
|     | jumlah besi                       | 6,00               | Bh        |             |                   |              |        |              |
|     | Panjang Besi 1 Luasan             | 13,06              | m         |             |                   |              |        |              |
|     | Total Luasan                      | 1,00               | Bh        |             |                   |              |        |              |
|     | Total Panjang Besi 1 Luasan       | 13,06              | m         |             |                   |              |        |              |
|     | Berat Total Besi lapangan Y 1     | 8,06               | Kg        |             |                   |              |        |              |
|     | 4. Lapangan Y 2                   |                    |           |             |                   |              |        |              |
|     | Panjang (a)                       | 1,95               | m         |             |                   |              |        |              |
|     | Panjang Total                     | 1,95               | m         |             |                   |              |        |              |
|     | Jarak Tulangan                    | 0,20               | m         |             |                   |              |        |              |
|     | Ukuran Besi                       | 0,010              | m         |             |                   |              |        |              |
|     | Berat Tul                         | 0,617              | Kg/m      |             |                   |              |        |              |
|     | jumlah besi                       | 6,00               | Bh        |             |                   |              |        |              |
|     | Panjang Besi 1 Luasan             | 11,70              | m         |             |                   |              |        |              |
|     | Total Luasan                      | 1,00               | Bh        |             |                   |              |        |              |
|     | Total Panjang Besi 1 Luasan       | 11,70              | m         |             |                   |              |        |              |
|     | Berat Total Besi Lapangan Y 2     | 7,22               | Kg        |             |                   |              |        |              |
|     | Total Penulangan Luasan 12 Arah Y | Tumpuan Y 1        | +         | Tumpuan Y 2 | +                 | Lapangan Y 1 | +      | Lapangan Y 2 |
|     |                                   | 7,22               | +         | 7,22        | +                 | 8,06         | +      | 7,22         |
|     |                                   |                    |           |             |                   |              | =      | 29,71        |
|     | Total Penulangan Luasan 12        | Arah X             | +         | Arah Y      |                   |              |        |              |
|     |                                   | 25,87              | +         | 29,71       |                   |              | =      | 55,58        |
|     | Luasan 13 (Arah X)                |                    |           |             |                   |              |        |              |
|     | Lx                                | 3,48               | m         |             |                   |              |        |              |
|     | Ly                                | 1,95               | m         |             |                   |              |        |              |
|     | 1. Tumpuan X 1                    |                    |           |             |                   |              |        |              |
|     | Panjang (a)                       | 3,48               | m         |             |                   |              |        |              |
|     | Panjang Total                     | 3,48               | m         |             |                   |              |        |              |
|     | Jarak Tulangan                    | 0,20               | m         |             |                   |              |        |              |
|     | Ukuran Besi                       | 0,010              | m         |             |                   |              |        |              |
|     | Berat Tul                         | 0,617              | Kg/m      |             |                   |              |        |              |
|     | jumlah besi                       | 5,00               | Bh        |             |                   |              |        |              |
|     | Panjang Besi 1 Luasan             | 17,40              | m         |             |                   |              |        |              |
|     | Total Luasan                      | 1,00               | Bh        |             |                   |              |        |              |
|     | Total Panjang Besi 1 Luasan       | 17,40              | m         |             |                   |              |        |              |
|     | Berat Total Besi Tumpuan X 1      | 10,74              | Kg        |             |                   |              |        |              |

| NO. | URAIAN PEKERJAAN                  | URAIAN PERHITUNGAN |           |             |                   |              | VOLUME | SAT.         |       |
|-----|-----------------------------------|--------------------|-----------|-------------|-------------------|--------------|--------|--------------|-------|
|     |                                   | Panjang (P)        | Lebar (L) | Tinggi (T)  | Banyak Luasan (Q) | Total        |        |              |       |
| 1   | 2                                 | 3                  | 4         | 5           | 6                 | 7            | 8      | 9            |       |
|     | 2. Tumpuan X 2                    |                    |           |             |                   |              |        |              |       |
|     | Panjang (a)                       | 3,48               | m         |             |                   |              |        |              |       |
|     | Panjang Total                     | 3,48               | m         |             |                   |              |        |              |       |
|     | Jarak Tulangan                    | 0,20               | m         |             |                   |              |        |              |       |
|     | Ukuran Besi                       | 0,010              | m         |             |                   |              |        |              |       |
|     | Berat Tul                         | 0,617              | Kg/m      |             |                   |              |        |              |       |
|     | jumlah besi                       | 5,00               | Bh        |             |                   |              |        |              |       |
|     | Panjang Besi 1 Luasan             | 17,40              | m         |             |                   |              |        |              |       |
|     | Total Luasan                      | 1,00               | Bh        |             |                   |              |        |              |       |
|     | Total Panjang Besi 1 Luasan       | 17,40              | m         |             |                   |              |        |              |       |
|     | Berat Total Besi Tumpuan X 2      | 10,74              | Kg        |             |                   |              |        |              |       |
|     | 3. Lapangan X 1                   |                    |           |             |                   |              |        |              |       |
|     | Panjang (a)                       | 1,74               | m         |             |                   |              |        |              |       |
|     | Panjang (b)                       | 0,87               | m         |             |                   |              |        |              |       |
|     |                                   | 0,87               | m         |             |                   |              |        |              |       |
|     | Panjang (c)                       | 0,11               | m         |             |                   |              |        |              |       |
|     |                                   | 0,11               | m         |             |                   |              |        |              |       |
|     | Panjang Total                     | 3,71               | m         |             |                   |              |        |              |       |
|     | Jarak Tulangan                    | 0,20               | m         |             |                   |              |        |              |       |
|     | Ukuran Besi                       | 0,010              | m         |             |                   |              |        |              |       |
|     | Berat Tul                         | 0,617              | Kg/m      |             |                   |              |        |              |       |
|     | jumlah besi                       | 5,00               | Bh        |             |                   |              |        |              |       |
|     | Panjang Besi 1 Luasan             | 18,53              | m         |             |                   |              |        |              |       |
|     | Total Luasan                      | 1,00               | Bh        |             |                   |              |        |              |       |
|     | Total Panjang Besi 1 Luasan       | 18,53              | m         |             |                   |              |        |              |       |
|     | Berat Total Besi lapangan X 1     | 11,43              | Kg        |             |                   |              |        |              |       |
|     | 4. Lapangan X 2                   |                    |           |             |                   |              |        |              |       |
|     | Panjang (a)                       | 3,48               | m         |             |                   |              |        |              |       |
|     | Panjang Total                     | 3,48               | m         |             |                   |              |        |              |       |
|     | Jarak Tulangan                    | 0,20               | m         |             |                   |              |        |              |       |
|     | Ukuran Besi                       | 0,010              | m         |             |                   |              |        |              |       |
|     | Berat Tul                         | 0,617              | Kg/m      |             |                   |              |        |              |       |
|     | jumlah besi                       | 5,00               | Bh        |             |                   |              |        |              |       |
|     | Panjang Besi 1 Luasan             | 17,40              | m         |             |                   |              |        |              |       |
|     | Total Luasan                      | 1,00               | Bh        |             |                   |              |        |              |       |
|     | Total Panjang Besi 1 Luasan       | 17,40              | m         |             |                   |              |        |              |       |
|     | Berat Total Besi Lapangan X 2     | 10,74              | Kg        |             |                   |              |        |              |       |
|     | Total Penulangan Luasan 13 Arah X | Tumpuan X 1        | +         | Tumpuan X 2 | +                 | Lapangan X 1 | +      | Lapangan X 1 | =     |
|     |                                   | 10,74              | +         | 10,74       | +                 | 11,43        | +      | 10,74        | 43,64 |
|     | Luasan 13 (Arah Y)                |                    |           |             |                   |              |        |              |       |
|     | Lx                                | 3,48               | m         |             |                   |              |        |              |       |
|     | Ly                                | 1,95               | m         |             |                   |              |        |              |       |
|     | 1. Tumpuan Y 1                    |                    |           |             |                   |              |        |              |       |
|     | Panjang (a)                       | 1,95               | m         |             |                   |              |        |              |       |
|     | Panjang Total                     | 1,95               | m         |             |                   |              |        |              |       |
|     | Jarak Tulangan                    | 0,20               | m         |             |                   |              |        |              |       |
|     | Ukuran Besi                       | 0,010              | m         |             |                   |              |        |              |       |
|     | Berat Tul                         | 0,617              | Kg/m      |             |                   |              |        |              |       |
|     | jumlah besi                       | 9,00               | Bh        |             |                   |              |        |              |       |
|     | Panjang Besi 1 Luasan             | 17,55              | m         |             |                   |              |        |              |       |
|     | Total Luasan                      | 1,00               | Bh        |             |                   |              |        |              |       |
|     | Total Panjang Besi 1 Luasan       | 17,55              | m         |             |                   |              |        |              |       |
|     | Berat Total Besi Tumpuan Y 1      | 10,83              | Kg        |             |                   |              |        |              |       |
|     | 2. Tumpuan Y 2                    |                    |           |             |                   |              |        |              |       |
|     | Panjang (a)                       | 1,95               | m         |             |                   |              |        |              |       |
|     | Panjang Total                     | 1,95               | m         |             |                   |              |        |              |       |
|     | Jarak Tulangan                    | 0,20               | m         |             |                   |              |        |              |       |
|     | Ukuran Besi                       | 0,010              | m         |             |                   |              |        |              |       |
|     | Berat Tul                         | 0,617              | Kg/m      |             |                   |              |        |              |       |
|     | jumlah besi                       | 9,00               | Bh        |             |                   |              |        |              |       |
|     | Panjang Besi 1 Luasan             | 17,55              | m         |             |                   |              |        |              |       |
|     | Total Luasan                      | 1,00               | Bh        |             |                   |              |        |              |       |
|     | Total Panjang Besi 1 Luasan       | 17,55              | m         |             |                   |              |        |              |       |
|     | Berat Total Besi Tumpuan Y 2      | 10,83              | Kg        |             |                   |              |        |              |       |

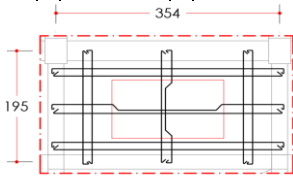


| NO. | URAIAN PEKERJAAN                  | URAIAN PERHITUNGAN |           |             |                   |              | VOLUME | SAT.         |         |
|-----|-----------------------------------|--------------------|-----------|-------------|-------------------|--------------|--------|--------------|---------|
|     |                                   | Panjang (P)        | Lebar (L) | Tinggi (T)  | Banyak Luasan (Q) | Total        |        |              |         |
| 1   | 2                                 | 3                  | 4         | 5           | 6                 | 7            | 8      | 9            |         |
|     | 3. Lapangan Y 1                   |                    |           |             |                   |              |        |              |         |
|     | Panjang (a)                       | 0,98               | m         |             |                   |              |        |              |         |
|     | Panjang (b)                       | 0,49               | m         |             |                   |              |        |              |         |
|     |                                   | 0,49               | m         |             |                   |              |        |              |         |
|     | Panjang (c)                       | 0,11               | m         |             |                   |              |        |              |         |
|     |                                   | 0,11               | m         |             |                   |              |        |              |         |
|     | Panjang Total                     | 2,18               | m         |             |                   |              |        |              |         |
|     | Jarak Tulangan                    | 0,20               | m         |             |                   |              |        |              |         |
|     | Ukuran Besi                       | 0,010              | m         |             |                   |              |        |              |         |
|     | Berat Tul                         | 0,617              | Kg/m      |             |                   |              |        |              |         |
|     | jumlah besi                       | 9,00               | Bh        |             |                   |              |        |              |         |
|     | Panjang Besi 1 Luasan             | 19,59              | m         |             |                   |              |        |              |         |
|     | Total Luasan                      | 1,00               | Bh        |             |                   |              |        |              |         |
|     | Total Panjang Besi 1 Luasan       | 19,59              | m         |             |                   |              |        |              |         |
|     | Berat Total Besi lapangan Y 1     | 12,08              | Kg        |             |                   |              |        |              |         |
|     | 4. Lapangan Y 2                   |                    |           |             |                   |              |        |              |         |
|     | Panjang (a)                       | 1,95               | m         |             |                   |              |        |              |         |
|     | Panjang Total                     | 1,95               | m         |             |                   |              |        |              |         |
|     | Jarak Tulangan                    | 0,20               | m         |             |                   |              |        |              |         |
|     | Ukuran Besi                       | 0,010              | m         |             |                   |              |        |              |         |
|     | Berat Tul                         | 0,617              | Kg/m      |             |                   |              |        |              |         |
|     | jumlah besi                       | 9,00               | Bh        |             |                   |              |        |              |         |
|     | Panjang Besi 1 Luasan             | 17,55              | m         |             |                   |              |        |              |         |
|     | Total Luasan                      | 1,00               | Bh        |             |                   |              |        |              |         |
|     | Total Panjang Besi 1 Luasan       | 17,55              | m         |             |                   |              |        |              |         |
|     | Berat Total Besi Lapangan Y 2     | 10,83              | Kg        |             |                   |              |        |              |         |
|     | Total Penulangan Luasan 13 Arah Y | Tumpuan Y 1        | +         | Tumpuan Y 2 | +                 | Lapangan Y 1 | +      | Lapangan Y 2 |         |
|     |                                   | 10,83              | +         | 10,83       | +                 | 12,08        | +      | 10,83        | = 44,57 |
|     | Total Penulangan Luasan 13        | Arah X             | +         | Arah Y      |                   |              |        |              |         |
|     |                                   | 43,64              | +         | 44,57       |                   |              |        |              | = 88,21 |
|     | Luasan 14 (Arah X)                |                    |           |             |                   |              |        |              |         |
|     | Lx                                | 3,54               | m         |             |                   |              |        |              |         |
|     | Ly                                | 1,95               | m         |             |                   |              |        |              |         |
|     | 1. Tumpuan X 1                    |                    |           |             |                   |              |        |              |         |
|     | Panjang (a)                       | 3,54               | m         |             |                   |              |        |              |         |
|     | Panjang Total                     | 3,54               | m         |             |                   |              |        |              |         |
|     | Jarak Tulangan                    | 0,20               | m         |             |                   |              |        |              |         |
|     | Ukuran Besi                       | 0,010              | m         |             |                   |              |        |              |         |
|     | Berat Tul                         | 0,617              | Kg/m      |             |                   |              |        |              |         |
|     | jumlah besi                       | 5,00               | Bh        |             |                   |              |        |              |         |
|     | Panjang Besi 1 Luasan             | 17,70              | m         |             |                   |              |        |              |         |
|     | Total Luasan                      | 1,00               | Bh        |             |                   |              |        |              |         |
|     | Total Panjang Besi 1 Luasan       | 17,70              | m         |             |                   |              |        |              |         |
|     | Berat Total Besi Tumpuan X 1      | 10,92              | Kg        |             |                   |              |        |              |         |
|     | 2. Tumpuan X 2                    |                    |           |             |                   |              |        |              |         |
|     | Panjang (a)                       | 3,54               | m         |             |                   |              |        |              |         |
|     | Panjang Total                     | 3,54               | m         |             |                   |              |        |              |         |
|     | Jarak Tulangan                    | 0,20               | m         |             |                   |              |        |              |         |
|     | Ukuran Besi                       | 0,010              | m         |             |                   |              |        |              |         |
|     | Berat Tul                         | 0,617              | Kg/m      |             |                   |              |        |              |         |
|     | jumlah besi                       | 5,00               | Bh        |             |                   |              |        |              |         |
|     | Panjang Besi 1 Luasan             | 17,70              | m         |             |                   |              |        |              |         |
|     | Total Luasan                      | 1,00               | Bh        |             |                   |              |        |              |         |
|     | Total Panjang Besi 1 Luasan       | 17,70              | m         |             |                   |              |        |              |         |
|     | Berat Total Besi Tumpuan X 2      | 10,92              | Kg        |             |                   |              |        |              |         |
|     | 3. Lapangan X 1                   |                    |           |             |                   |              |        |              |         |
|     | Panjang (a)                       | 1,77               | m         |             |                   |              |        |              |         |
|     | Panjang (b)                       | 0,89               | m         |             |                   |              |        |              |         |
|     |                                   | 0,89               | m         |             |                   |              |        |              |         |
|     | Panjang (c)                       | 0,11               | m         |             |                   |              |        |              |         |
|     |                                   | 0,11               | m         |             |                   |              |        |              |         |
|     | Panjang Total                     | 3,77               | m         |             |                   |              |        |              |         |
|     | Jarak Tulangan                    | 0,20               | m         |             |                   |              |        |              |         |
|     | Ukuran Besi                       | 0,010              | m         |             |                   |              |        |              |         |
|     | Berat Tul                         | 0,617              | Kg/m      |             |                   |              |        |              |         |
|     | jumlah besi                       | 5,00               | Bh        |             |                   |              |        |              |         |
|     | Panjang Besi 1 Luasan             | 18,83              | m         |             |                   |              |        |              |         |
|     | Total Luasan                      | 1,00               | Bh        |             |                   |              |        |              |         |
|     | Total Panjang Besi 1 Luasan       | 18,83              | m         |             |                   |              |        |              |         |
|     | Berat Total Besi lapangan X 1     | 11,62              | Kg        |             |                   |              |        |              |         |



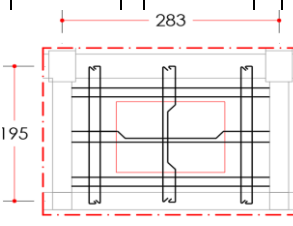
| NO. | URAIAN PEKERJAAN                  | URAIAN PERHITUNGAN |      |             |   |              |                   | VOLUME       | SAT.  |       |
|-----|-----------------------------------|--------------------|------|-------------|---|--------------|-------------------|--------------|-------|-------|
|     |                                   | Panjang (P)        |      | Lebar (L)   |   | Tinggi (T)   | Banyak Luasan (Q) |              |       | Total |
| 1   | 2                                 | 3                  |      | 4           |   | 5            | 6                 | 7            | 8     | 9     |
|     | 4. Lapangan X 2                   |                    |      |             |   |              |                   |              |       |       |
|     | Panjang (a)                       | 3,54               | m    |             |   |              |                   |              |       |       |
|     | Panjang Total                     | 3,54               | m    |             |   |              |                   |              |       |       |
|     | Jarak Tulangan                    | 0,20               | m    |             |   |              |                   |              |       |       |
|     | Ukuran Besi                       | 0,010              | m    |             |   |              |                   |              |       |       |
|     | Berat Tul                         | 0,617              | Kg/m |             |   |              |                   |              |       |       |
|     | jumlah besi                       | 5,00               | Bh   |             |   |              |                   |              |       |       |
|     | Panjang Besi 1 Luasan             | 17,70              | m    |             |   |              |                   |              |       |       |
|     | Total Luasan                      | 1,00               | Bh   |             |   |              |                   |              |       |       |
|     | Total Panjang Besi 1 Luasan       | 17,70              | m    |             |   |              |                   |              |       |       |
|     | Berat Total Besi Lapangan X 2     | 10,92              | Kg   |             |   |              |                   |              |       |       |
|     | Total Penulangan Luasan 14 Arah X | Tumpuan X 1        | +    | Tumpuan X 2 | + | Lapangan X 1 | +                 | Lapangan X 1 | =     | 44,38 |
|     |                                   | 10,92              | +    | 10,92       | + | 11,62        | +                 | 10,92        |       |       |
|     | Luasan 14 (Arah Y)                |                    |      |             |   |              |                   |              |       |       |
|     | Lx                                | 3,54               | m    |             |   |              |                   |              |       |       |
|     | Ly                                | 1,95               | m    |             |   |              |                   |              |       |       |
|     | 1. Tumpuan Y 1                    |                    |      |             |   |              |                   |              |       |       |
|     | Panjang (a)                       | 1,95               | m    |             |   |              |                   |              |       |       |
|     | Panjang Total                     | 1,95               | m    |             |   |              |                   |              |       |       |
|     | Jarak Tulangan                    | 0,20               | m    |             |   |              |                   |              |       |       |
|     | Ukuran Besi                       | 0,010              | m    |             |   |              |                   |              |       |       |
|     | Berat Tul                         | 0,617              | Kg/m |             |   |              |                   |              |       |       |
|     | jumlah besi                       | 9,00               | Bh   |             |   |              |                   |              |       |       |
|     | Panjang Besi 1 Luasan             | 17,55              | m    |             |   |              |                   |              |       |       |
|     | Total Luasan                      | 1,00               | Bh   |             |   |              |                   |              |       |       |
|     | Total Panjang Besi 1 Luasan       | 17,55              | m    |             |   |              |                   |              |       |       |
|     | Berat Total Besi Tumpuan Y 1      | 10,83              | Kg   |             |   |              |                   |              |       |       |
|     | 2. Tumpuan Y 2                    |                    |      |             |   |              |                   |              |       |       |
|     | Panjang (a)                       | 1,95               | m    |             |   |              |                   |              |       |       |
|     | Panjang Total                     | 1,95               | m    |             |   |              |                   |              |       |       |
|     | Jarak Tulangan                    | 0,20               | m    |             |   |              |                   |              |       |       |
|     | Ukuran Besi                       | 0,010              | m    |             |   |              |                   |              |       |       |
|     | Berat Tul                         | 0,617              | Kg/m |             |   |              |                   |              |       |       |
|     | jumlah besi                       | 9,00               | Bh   |             |   |              |                   |              |       |       |
|     | Panjang Besi 1 Luasan             | 17,55              | m    |             |   |              |                   |              |       |       |
|     | Total Luasan                      | 1,00               | Bh   |             |   |              |                   |              |       |       |
|     | Total Panjang Besi 1 Luasan       | 17,55              | m    |             |   |              |                   |              |       |       |
|     | Berat Total Besi Tumpuan Y 2      | 10,83              | Kg   |             |   |              |                   |              |       |       |
|     | 3. Lapangan Y 1                   |                    |      |             |   |              |                   |              |       |       |
|     | Panjang (a)                       | 0,98               | m    |             |   |              |                   |              |       |       |
|     | Panjang (b)                       | 0,49               | m    |             |   |              |                   |              |       |       |
|     | Panjang (c)                       | 0,49               | m    |             |   |              |                   |              |       |       |
|     | Panjang (c)                       | 0,11               | m    |             |   |              |                   |              |       |       |
|     | Panjang Total                     | 2,18               | m    |             |   |              |                   |              |       |       |
|     | Jarak Tulangan                    | 0,20               | m    |             |   |              |                   |              |       |       |
|     | Ukuran Besi                       | 0,010              | m    |             |   |              |                   |              |       |       |
|     | Berat Tul                         | 0,617              | Kg/m |             |   |              |                   |              |       |       |
|     | jumlah besi                       | 9,00               | Bh   |             |   |              |                   |              |       |       |
|     | Panjang Besi 1 Luasan             | 19,59              | m    |             |   |              |                   |              |       |       |
|     | Total Luasan                      | 1,00               | Bh   |             |   |              |                   |              |       |       |
|     | Total Panjang Besi 1 Luasan       | 19,59              | m    |             |   |              |                   |              |       |       |
|     | Berat Total Besi lapangan Y 1     | 12,08              | Kg   |             |   |              |                   |              |       |       |
|     | 4. Lapangan Y 2                   |                    |      |             |   |              |                   |              |       |       |
|     | Panjang (a)                       | 1,95               | m    |             |   |              |                   |              |       |       |
|     | Panjang Total                     | 1,95               | m    |             |   |              |                   |              |       |       |
|     | Jarak Tulangan                    | 0,20               | m    |             |   |              |                   |              |       |       |
|     | Ukuran Besi                       | 0,010              | m    |             |   |              |                   |              |       |       |
|     | Berat Tul                         | 0,617              | Kg/m |             |   |              |                   |              |       |       |
|     | jumlah besi                       | 9,00               | Bh   |             |   |              |                   |              |       |       |
|     | Panjang Besi 1 Luasan             | 17,55              | m    |             |   |              |                   |              |       |       |
|     | Total Luasan                      | 1,00               | Bh   |             |   |              |                   |              |       |       |
|     | Total Panjang Besi 1 Luasan       | 17,55              | m    |             |   |              |                   |              |       |       |
|     | Berat Total Besi Lapangan Y 2     | 10,83              | Kg   |             |   |              |                   |              |       |       |
|     | Total Penulangan Luasan 14 Arah Y | Tumpuan Y 1        | +    | Tumpuan Y 2 | + | Lapangan Y 1 | +                 | Lapangan Y 2 | =     | 44,57 |
|     |                                   | 10,83              | +    | 10,83       | + | 12,08        | +                 | 10,83        |       |       |
|     | Total Penulangan Luasan 14        | Arah X             | +    | Arah Y      |   |              |                   |              |       |       |
|     |                                   | 44,38              | +    | 44,57       |   |              |                   | =            | 88,95 |       |

Diagram showing a rectangular slab reinforcement layout. The slab dimensions are 354 (width) and 195 (height). The layout includes reinforcement bars (Besi) and a central area labeled "LUASAN 14 - 01 BH".



| NO. | URAIAN PEKERJAAN                  | URAIAN PERHITUNGAN |           |             |                   |              | VOLUME | SAT.         |
|-----|-----------------------------------|--------------------|-----------|-------------|-------------------|--------------|--------|--------------|
|     |                                   | Panjang (P)        | Lebar (L) | Tinggi (T)  | Banyak Luasan (Q) | Total        |        |              |
| 1   | 2                                 | 3                  | 4         | 5           | 6                 | 7            | 8      | 9            |
|     | Luasan 15 (Arah X)                |                    |           |             |                   |              |        |              |
|     | Lx                                | 2,11               | m         |             |                   |              |        |              |
|     | Ly                                | 1,95               | m         |             |                   |              |        |              |
|     | 1. Tumpuan X 1                    |                    |           |             |                   |              |        |              |
|     | Panjang (a)                       | 2,11               | m         |             |                   |              |        |              |
|     | Panjang Total                     | 2,11               | m         |             |                   |              |        |              |
|     | Jarak Tulangan                    | 0,20               | m         |             |                   |              |        |              |
|     | Ukuran Besi                       | 0,010              | m         |             |                   |              |        |              |
|     | Berat Tul                         | 0,617              | Kg/m      |             |                   |              |        |              |
|     | jumlah besi                       | 5,00               | Bh        |             |                   |              |        |              |
|     | Panjang Besi 1 Luasan             | 10,55              | m         |             |                   |              |        |              |
|     | Total Luasan                      | 1,00               | Bh        |             |                   |              |        |              |
|     | Total Panjang Besi 1 Luasan       | 10,55              | m         |             |                   |              |        |              |
|     | Berat Total Besi Tumpuan X 1      | 6,51               | Kg        |             |                   |              |        |              |
|     |                                   |                    |           |             |                   |              |        |              |
|     | 2. Tumpuan X 2                    |                    |           |             |                   |              |        |              |
|     | Panjang (a)                       | 2,11               | m         |             |                   |              |        |              |
|     | Panjang Total                     | 2,11               | m         |             |                   |              |        |              |
|     | Jarak Tulangan                    | 0,20               | m         |             |                   |              |        |              |
|     | Ukuran Besi                       | 0,010              | m         |             |                   |              |        |              |
|     | Berat Tul                         | 0,617              | Kg/m      |             |                   |              |        |              |
|     | jumlah besi                       | 5,00               | Bh        |             |                   |              |        |              |
|     | Panjang Besi 1 Luasan             | 10,55              | m         |             |                   |              |        |              |
|     | Total Luasan                      | 1,00               | Bh        |             |                   |              |        |              |
|     | Total Panjang Besi 1 Luasan       | 10,55              | m         |             |                   |              |        |              |
|     | Berat Total Besi Tumpuan X 2      | 6,51               | Kg        |             |                   |              |        |              |
|     |                                   |                    |           |             |                   |              |        |              |
|     | 3. Lapangan X 1                   |                    |           |             |                   |              |        |              |
|     | Panjang (a)                       | 1,06               | m         |             |                   |              |        |              |
|     | Panjang (b)                       | 0,53               | m         |             |                   |              |        |              |
|     |                                   | 0,53               | m         |             |                   |              |        |              |
|     | Panjang (c)                       | 0,11               | m         |             |                   |              |        |              |
|     |                                   | 0,11               | m         |             |                   |              |        |              |
|     | Panjang Total                     | 2,34               | m         |             |                   |              |        |              |
|     | Jarak Tulangan                    | 0,20               | m         |             |                   |              |        |              |
|     | Ukuran Besi                       | 0,010              | m         |             |                   |              |        |              |
|     | Berat Tul                         | 0,617              | Kg/m      |             |                   |              |        |              |
|     | jumlah besi                       | 5,00               | Bh        |             |                   |              |        |              |
|     | Panjang Besi 1 Luasan             | 11,68              | m         |             |                   |              |        |              |
|     | Total Luasan                      | 1,00               | Bh        |             |                   |              |        |              |
|     | Total Panjang Besi 1 Luasan       | 11,68              | m         |             |                   |              |        |              |
|     | Berat Total Besi lapangan X 1     | 7,21               | Kg        |             |                   |              |        |              |
|     |                                   |                    |           |             |                   |              |        |              |
|     | 4. Lapangan X 2                   |                    |           |             |                   |              |        |              |
|     | Panjang (a)                       | 2,11               | m         |             |                   |              |        |              |
|     | Panjang Total                     | 2,11               | m         |             |                   |              |        |              |
|     | Jarak Tulangan                    | 0,20               | m         |             |                   |              |        |              |
|     | Ukuran Besi                       | 0,010              | m         |             |                   |              |        |              |
|     | Berat Tul                         | 0,617              | Kg/m      |             |                   |              |        |              |
|     | jumlah besi                       | 5,00               | Bh        |             |                   |              |        |              |
|     | Panjang Besi 1 Luasan             | 10,55              | m         |             |                   |              |        |              |
|     | Total Luasan                      | 1,00               | Bh        |             |                   |              |        |              |
|     | Total Panjang Besi 1 Luasan       | 10,55              | m         |             |                   |              |        |              |
|     | Berat Total Besi Lapangan X 2     | 6,51               | Kg        |             |                   |              |        |              |
|     |                                   |                    |           |             |                   |              |        |              |
|     | Total Penulangan Luasan 15 Arah X | Tumpuan X 1        | +         | Tumpuan X 2 | +                 | Lapangan X 1 | +      | Lapangan X 1 |
|     |                                   | 6,51               | +         | 6,51        | +                 | 7,21         | +      | 6,51         |
|     |                                   |                    |           |             |                   |              | =      | 26,74        |
|     | Luasan 15 (Arah Y)                |                    |           |             |                   |              |        |              |
|     | Lx                                | 2,11               | m         |             |                   |              |        |              |
|     | Ly                                | 1,95               | m         |             |                   |              |        |              |
|     | 1. Tumpuan Y 1                    |                    |           |             |                   |              |        |              |
|     | Panjang (a)                       | 1,95               | m         |             |                   |              |        |              |
|     | Panjang Total                     | 1,95               | m         |             |                   |              |        |              |
|     | Jarak Tulangan                    | 0,20               | m         |             |                   |              |        |              |
|     | Ukuran Besi                       | 0,010              | m         |             |                   |              |        |              |
|     | Berat Tul                         | 0,617              | Kg/m      |             |                   |              |        |              |
|     | jumlah besi                       | 6,00               | Bh        |             |                   |              |        |              |
|     | Panjang Besi 1 Luasan             | 11,70              | m         |             |                   |              |        |              |
|     | Total Luasan                      | 1,00               | Bh        |             |                   |              |        |              |
|     | Total Panjang Besi 1 Luasan       | 11,70              | m         |             |                   |              |        |              |
|     | Berat Total Besi Tumpuan Y 1      | 7,22               | Kg        |             |                   |              |        |              |

| NO. | URAIAN PEKERJAAN                  | URAIAN PERHITUNGAN |      |             |            |                   |   | VOLUME       | SAT.    |
|-----|-----------------------------------|--------------------|------|-------------|------------|-------------------|---|--------------|---------|
|     |                                   | Panjang (P)        |      | Lebar (L)   | Tinggi (T) | Banyak Luasan (Q) |   | Total        |         |
| 1   | 2                                 | 3                  |      | 4           | 5          | 6                 |   | 7            | 8       |
|     | 2. Tumpuan Y 2                    |                    |      |             |            |                   |   |              |         |
|     | Panjang (a)                       | 1,95               | m    |             |            |                   |   |              |         |
|     | Panjang Total                     | 1,95               | m    |             |            |                   |   |              |         |
|     | Jarak Tulangan                    | 0,20               | m    |             |            |                   |   |              |         |
|     | Ukuran Besi                       | 0,010              | m    |             |            |                   |   |              |         |
|     | Berat Tul                         | 0,617              | Kg/m |             |            |                   |   |              |         |
|     | jumlah besi                       | 6,00               | Bh   |             |            |                   |   |              |         |
|     | Panjang Besi 1 Luasan             | 11,70              | m    |             |            |                   |   |              |         |
|     | Total Luasan                      | 1,00               | Bh   |             |            |                   |   |              |         |
|     | Total Panjang Besi 1 Luasan       | 11,70              | m    |             |            |                   |   |              |         |
|     | Berat Total Besi Tumpuan Y 2      | 7,22               | Kg   |             |            |                   |   |              |         |
|     | 3. Lapangan Y 1                   |                    |      |             |            |                   |   |              |         |
|     | Panjang (a)                       | 0,98               | m    |             |            |                   |   |              |         |
|     | Panjang (b)                       | 0,49               | m    |             |            |                   |   |              |         |
|     |                                   | 0,49               | m    |             |            |                   |   |              |         |
|     | Panjang (c)                       | 0,11               | m    |             |            |                   |   |              |         |
|     |                                   | 0,11               | m    |             |            |                   |   |              |         |
|     | Panjang Total                     | 2,18               | m    |             |            |                   |   |              |         |
|     | Jarak Tulangan                    | 0,20               | m    |             |            |                   |   |              |         |
|     | Ukuran Besi                       | 0,010              | m    |             |            |                   |   |              |         |
|     | Berat Tul                         | 0,617              | Kg/m |             |            |                   |   |              |         |
|     | jumlah besi                       | 6,00               | Bh   |             |            |                   |   |              |         |
|     | Panjang Besi 1 Luasan             | 13,06              | m    |             |            |                   |   |              |         |
|     | Total Luasan                      | 1,00               | Bh   |             |            |                   |   |              |         |
|     | Total Panjang Besi 1 Luasan       | 13,06              | m    |             |            |                   |   |              |         |
|     | Berat Total Besi lapangan Y 1     | 8,06               | Kg   |             |            |                   |   |              |         |
|     | 4. Lapangan Y 2                   |                    |      |             |            |                   |   |              |         |
|     | Panjang (a)                       | 1,95               | m    |             |            |                   |   |              |         |
|     | Panjang Total                     | 1,95               | m    |             |            |                   |   |              |         |
|     | Jarak Tulangan                    | 0,20               | m    |             |            |                   |   |              |         |
|     | Ukuran Besi                       | 0,010              | m    |             |            |                   |   |              |         |
|     | Berat Tul                         | 0,617              | Kg/m |             |            |                   |   |              |         |
|     | jumlah besi                       | 6,00               | Bh   |             |            |                   |   |              |         |
|     | Panjang Besi 1 Luasan             | 11,70              | m    |             |            |                   |   |              |         |
|     | Total Luasan                      | 1,00               | Bh   |             |            |                   |   |              |         |
|     | Total Panjang Besi 1 Luasan       | 11,70              | m    |             |            |                   |   |              |         |
|     | Berat Total Besi Lapangan Y 2     | 7,22               | Kg   |             |            |                   |   |              |         |
|     | Total Penulangan Luasan 15 Arah Y | Tumpuan Y 1        | +    | Tumpuan Y 2 | +          | Lapangan Y 1      | + | Lapangan Y 2 | =       |
|     |                                   | 7,22               | +    | 7,22        | +          | 8,06              | + | 7,22         | = 29,71 |
|     | Total Penulangan Luasan 15        | Arah X             | +    | Arah Y      |            |                   |   |              | =       |
|     |                                   | 26,74              | +    | 29,71       |            |                   |   |              | = 56,45 |
|     | Luasan 16 (Arah X)                |                    |      |             |            |                   |   |              |         |
|     | Lx                                | 2,83               | m    |             |            |                   |   |              |         |
|     | Ly                                | 1,95               | m    |             |            |                   |   |              |         |
|     | 1. Tumpuan X 1                    |                    |      |             |            |                   |   |              |         |
|     | Panjang (a)                       | 2,83               | m    |             |            |                   |   |              |         |
|     | Panjang Total                     | 2,83               | m    |             |            |                   |   |              |         |
|     | Jarak Tulangan                    | 0,20               | m    |             |            |                   |   |              |         |
|     | Ukuran Besi                       | 0,010              | m    |             |            |                   |   |              |         |
|     | Berat Tul                         | 0,617              | Kg/m |             |            |                   |   |              |         |
|     | jumlah besi                       | 5,00               | Bh   |             |            |                   |   |              |         |
|     | Panjang Besi 1 Luasan             | 14,15              | m    |             |            |                   |   |              |         |
|     | Total Luasan                      | 1,00               | Bh   |             |            |                   |   |              |         |
|     | Total Panjang Besi 1 Luasan       | 14,15              | m    |             |            |                   |   |              |         |
|     | Berat Total Besi Tumpuan X 1      | 8,73               | Kg   |             |            |                   |   |              |         |
|     | 2. Tumpuan X 2                    |                    |      |             |            |                   |   |              |         |
|     | Panjang (a)                       | 2,83               | m    |             |            |                   |   |              |         |
|     | Panjang Total                     | 2,83               | m    |             |            |                   |   |              |         |
|     | Jarak Tulangan                    | 0,20               | m    |             |            |                   |   |              |         |
|     | Ukuran Besi                       | 0,010              | m    |             |            |                   |   |              |         |
|     | Berat Tul                         | 0,617              | Kg/m |             |            |                   |   |              |         |
|     | jumlah besi                       | 5,00               | Bh   |             |            |                   |   |              |         |
|     | Panjang Besi 1 Luasan             | 14,15              | m    |             |            |                   |   |              |         |
|     | Total Luasan                      | 1,00               | Bh   |             |            |                   |   |              |         |
|     | Total Panjang Besi 1 Luasan       | 14,15              | m    |             |            |                   |   |              |         |
|     | Berat Total Besi Tumpuan X 2      | 8,73               | Kg   |             |            |                   |   |              |         |



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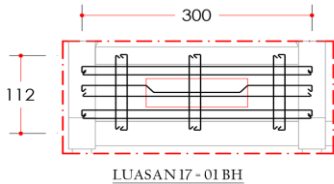
| NO. | URAIAN PEKERJAAN                  | URAIAN PERHITUNGAN |           |             |                   |              | VOLUME | SAT.         |   |
|-----|-----------------------------------|--------------------|-----------|-------------|-------------------|--------------|--------|--------------|---|
|     |                                   | Panjang (P)        | Lebar (L) | Tinggi (T)  | Banyak Luasan (Q) | Total        |        |              |   |
| 1   | 2                                 | 3                  | 4         | 5           | 6                 | 7            | 8      | 9            |   |
|     | 3. Lapangan X 1                   |                    |           |             |                   |              |        |              |   |
|     | Panjang (a)                       | 1,42               | m         |             |                   |              |        |              |   |
|     | Panjang (b)                       | 0,71               | m         |             |                   |              |        |              |   |
|     |                                   | 0,71               | m         |             |                   |              |        |              |   |
|     | Panjang (c)                       | 0,11               | m         |             |                   |              |        |              |   |
|     |                                   | 0,11               | m         |             |                   |              |        |              |   |
|     | Panjang Total                     | 3,06               | m         |             |                   |              |        |              |   |
|     | Jarak Tulangan                    | 0,20               | m         |             |                   |              |        |              |   |
|     | Ukuran Besi                       | 0,010              | m         |             |                   |              |        |              |   |
|     | Berat Tul                         | 0,617              | Kg/m      |             |                   |              |        |              |   |
|     | jumlah besi                       | 5,00               | Bh        |             |                   |              |        |              |   |
|     | Panjang Besi 1 Luasan             | 15,28              | m         |             |                   |              |        |              |   |
|     | Total Luasan                      | 1,00               | Bh        |             |                   |              |        |              |   |
|     | Total Panjang Besi 1 Luasan       | 15,28              | m         |             |                   |              |        |              |   |
|     | Berat Total Besi lapangan X 1     | 9,43               | Kg        |             |                   |              |        |              |   |
|     | 4. Lapangan X 2                   |                    |           |             |                   |              |        |              |   |
|     | Panjang (a)                       | 2,83               | m         |             |                   |              |        |              |   |
|     | Panjang Total                     | 2,83               | m         |             |                   |              |        |              |   |
|     | Jarak Tulangan                    | 0,20               | m         |             |                   |              |        |              |   |
|     | Ukuran Besi                       | 0,010              | m         |             |                   |              |        |              |   |
|     | Berat Tul                         | 0,617              | Kg/m      |             |                   |              |        |              |   |
|     | jumlah besi                       | 5,00               | Bh        |             |                   |              |        |              |   |
|     | Panjang Besi 1 Luasan             | 14,15              | m         |             |                   |              |        |              |   |
|     | Total Luasan                      | 1,00               | Bh        |             |                   |              |        |              |   |
|     | Total Panjang Besi 1 Luasan       | 14,15              | m         |             |                   |              |        |              |   |
|     | Berat Total Besi Lapangan X 2     | 8,73               | Kg        |             |                   |              |        |              |   |
|     | Total Penulangan Luasan 16 Arah X | Tumpuan X 1        | +         | Tumpuan X 2 | +                 | Lapangan X 1 | +      | Lapangan X 1 |   |
|     |                                   | 8,73               | +         | 8,73        | +                 | 9,43         | +      | 8,73         | = |
|     |                                   |                    |           |             |                   |              |        | 35,62        |   |
|     | Luasan 16 (Arah Y)                |                    |           |             |                   |              |        |              |   |
|     | Lx                                | 2,83               | m         |             |                   |              |        |              |   |
|     | Ly                                | 1,95               | m         |             |                   |              |        |              |   |
|     | 1. Tumpuan Y 1                    |                    |           |             |                   |              |        |              |   |
|     | Panjang (a)                       | 1,95               | m         |             |                   |              |        |              |   |
|     | Panjang Total                     | 1,95               | m         |             |                   |              |        |              |   |
|     | Jarak Tulangan                    | 0,20               | m         |             |                   |              |        |              |   |
|     | Ukuran Besi                       | 0,010              | m         |             |                   |              |        |              |   |
|     | Berat Tul                         | 0,617              | Kg/m      |             |                   |              |        |              |   |
|     | jumlah besi                       | 8,00               | Bh        |             |                   |              |        |              |   |
|     | Panjang Besi 1 Luasan             | 15,60              | m         |             |                   |              |        |              |   |
|     | Total Luasan                      | 1,00               | Bh        |             |                   |              |        |              |   |
|     | Total Panjang Besi 1 Luasan       | 15,60              | m         |             |                   |              |        |              |   |
|     | Berat Total Besi Tumpuan Y 1      | 9,63               | Kg        |             |                   |              |        |              |   |
|     |                                   |                    |           |             |                   |              |        |              |   |
|     | 2. Tumpuan Y 2                    |                    |           |             |                   |              |        |              |   |
|     | Panjang (a)                       | 1,95               | m         |             |                   |              |        |              |   |
|     | Panjang Total                     | 1,95               | m         |             |                   |              |        |              |   |
|     | Jarak Tulangan                    | 0,20               | m         |             |                   |              |        |              |   |
|     | Ukuran Besi                       | 0,010              | m         |             |                   |              |        |              |   |
|     | Berat Tul                         | 0,617              | Kg/m      |             |                   |              |        |              |   |
|     | jumlah besi                       | 8,00               | Bh        |             |                   |              |        |              |   |
|     | Panjang Besi 1 Luasan             | 15,60              | m         |             |                   |              |        |              |   |
|     | Total Luasan                      | 1,00               | Bh        |             |                   |              |        |              |   |
|     | Total Panjang Besi 1 Luasan       | 15,60              | m         |             |                   |              |        |              |   |
|     | Berat Total Besi Tumpuan Y 2      | 9,63               | Kg        |             |                   |              |        |              |   |
|     | 3. Lapangan Y 1                   |                    |           |             |                   |              |        |              |   |
|     | Panjang (a)                       | 0,98               | m         |             |                   |              |        |              |   |
|     | Panjang (b)                       | 0,49               | m         |             |                   |              |        |              |   |
|     |                                   | 0,49               | m         |             |                   |              |        |              |   |
|     | Panjang (c)                       | 0,11               | m         |             |                   |              |        |              |   |
|     |                                   | 0,11               | m         |             |                   |              |        |              |   |
|     | Panjang Total                     | 2,18               | m         |             |                   |              |        |              |   |
|     | Jarak Tulangan                    | 0,20               | m         |             |                   |              |        |              |   |
|     | Ukuran Besi                       | 0,010              | m         |             |                   |              |        |              |   |
|     | Berat Tul                         | 0,617              | Kg/m      |             |                   |              |        |              |   |
|     | jumlah besi                       | 8,00               | Bh        |             |                   |              |        |              |   |
|     | Panjang Besi 1 Luasan             | 17,41              | m         |             |                   |              |        |              |   |
|     | Total Luasan                      | 1,00               | Bh        |             |                   |              |        |              |   |
|     | Total Panjang Besi 1 Luasan       | 17,41              | m         |             |                   |              |        |              |   |
|     | Berat Total Besi lapangan Y 1     | 10,74              | Kg        |             |                   |              |        |              |   |

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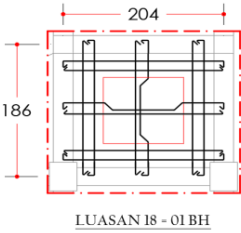
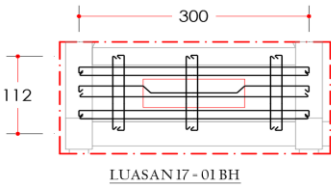
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LUASAN 16 - 01 BH

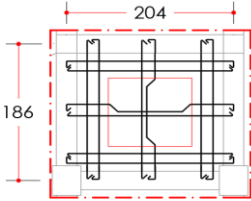
| NO. | URAIAN PEKERJAAN                  | URAIAN PERHITUNGAN |      |             |   |              |                   | VOLUME       | SAT.    |
|-----|-----------------------------------|--------------------|------|-------------|---|--------------|-------------------|--------------|---------|
|     |                                   | Panjang (P)        |      | Lebar (L)   |   | Tinggi (T)   | Banyak Luasan (Q) | Total        |         |
| 1   | 2                                 | 3                  |      | 4           |   | 5            | 6                 | 7            | 8       |
|     | 4. Lapangan Y 2                   |                    |      |             |   |              |                   |              |         |
|     | Panjang (a)                       | 1,95               | m    |             |   |              |                   |              |         |
|     | Panjang Total                     | 1,95               | m    |             |   |              |                   |              |         |
|     | Jarak Tulangan                    | 0,20               | m    |             |   |              |                   |              |         |
|     | Ukuran Besi                       | 0,010              | m    |             |   |              |                   |              |         |
|     | Berat Tul                         | 0,617              | Kg/m |             |   |              |                   |              |         |
|     | jumlah besi                       | 8,00               | Bh   |             |   |              |                   |              |         |
|     | Panjang Besi 1 Luasan             | 15,60              | m    |             |   |              |                   |              |         |
|     | Total Luasan                      | 1,00               | Bh   |             |   |              |                   |              |         |
|     | Total Panjang Besi 1 Luasan       | 15,60              | m    |             |   |              |                   |              |         |
|     | Berat Total Besi Lapangan Y 2     | 9,63               | Kg   |             |   |              |                   |              |         |
|     | Total Penulangan Luasan 16 Arah Y | Tumpuan Y 1        | +    | Tumpuan Y 2 | + | Lapangan Y 1 | +                 | Lapangan Y 2 | =       |
|     |                                   | 9,63               | +    | 9,63        | + | 10,74        | +                 | 9,63         | = 39,62 |
|     | Total Penulangan Luasan 16        | Arah X             | +    | Arah Y      |   |              |                   |              |         |
|     |                                   | 35,62              | +    | 39,62       |   |              |                   |              | = 75,24 |
|     | Luasan 17 (Arah X)                |                    |      |             |   |              |                   |              |         |
|     | Lx                                | 3,00               | m    |             |   |              |                   |              |         |
|     | Ly                                | 1,12               | m    |             |   |              |                   |              |         |
|     | 1. Tumpuan X 1                    |                    |      |             |   |              |                   |              |         |
|     | Panjang (a)                       | 3,00               | m    |             |   |              |                   |              |         |
|     | Panjang Total                     | 3,00               | m    |             |   |              |                   |              |         |
|     | Jarak Tulangan                    | 0,20               | m    |             |   |              |                   |              |         |
|     | Ukuran Besi                       | 0,010              | m    |             |   |              |                   |              |         |
|     | Berat Tul                         | 0,617              | Kg/m |             |   |              |                   |              |         |
|     | jumlah besi                       | 3,00               | Bh   |             |   |              |                   |              |         |
|     | Panjang Besi 1 Luasan             | 9,00               | m    |             |   |              |                   |              |         |
|     | Total Luasan                      | 1,00               | Bh   |             |   |              |                   |              |         |
|     | Total Panjang Besi 1 Luasan       | 9,00               | m    |             |   |              |                   |              |         |
|     | Berat Total Besi Tumpuan X 1      | 5,55               | Kg   |             |   |              |                   |              |         |
|     | 2. Tumpuan X 2                    |                    |      |             |   |              |                   |              |         |
|     | Panjang (a)                       | 3,00               | m    |             |   |              |                   |              |         |
|     | Panjang Total                     | 3,00               | m    |             |   |              |                   |              |         |
|     | Jarak Tulangan                    | 0,20               | m    |             |   |              |                   |              |         |
|     | Ukuran Besi                       | 0,010              | m    |             |   |              |                   |              |         |
|     | Berat Tul                         | 0,617              | Kg/m |             |   |              |                   |              |         |
|     | jumlah besi                       | 3,00               | Bh   |             |   |              |                   |              |         |
|     | Panjang Besi 1 Luasan             | 9,00               | m    |             |   |              |                   |              |         |
|     | Total Luasan                      | 1,00               | Bh   |             |   |              |                   |              |         |
|     | Total Panjang Besi 1 Luasan       | 9,00               | m    |             |   |              |                   |              |         |
|     | Berat Total Besi Tumpuan X 2      | 5,55               | Kg   |             |   |              |                   |              |         |
|     | 3. Lapangan X 1                   |                    |      |             |   |              |                   |              |         |
|     | Panjang (a)                       | 1,50               | m    |             |   |              |                   |              |         |
|     | Panjang (b)                       | 0,75               | m    |             |   |              |                   |              |         |
|     |                                   | 0,75               | m    |             |   |              |                   |              |         |
|     | Panjang (c)                       | 0,11               | m    |             |   |              |                   |              |         |
|     |                                   | 0,11               | m    |             |   |              |                   |              |         |
|     | Panjang Total                     | 3,23               | m    |             |   |              |                   |              |         |
|     | Jarak Tulangan                    | 0,20               | m    |             |   |              |                   |              |         |
|     | Ukuran Besi                       | 0,010              | m    |             |   |              |                   |              |         |
|     | Berat Tul                         | 0,617              | Kg/m |             |   |              |                   |              |         |
|     | jumlah besi                       | 3,00               | Bh   |             |   |              |                   |              |         |
|     | Panjang Besi 1 Luasan             | 9,68               | m    |             |   |              |                   |              |         |
|     | Total Luasan                      | 1,00               | Bh   |             |   |              |                   |              |         |
|     | Total Panjang Besi 1 Luasan       | 9,68               | m    |             |   |              |                   |              |         |
|     | Berat Total Besi lapangan X 1     | 5,97               | Kg   |             |   |              |                   |              |         |
|     | 4. Lapangan X 2                   |                    |      |             |   |              |                   |              |         |
|     | Panjang (a)                       | 3,00               | m    |             |   |              |                   |              |         |
|     | Panjang Total                     | 3,00               | m    |             |   |              |                   |              |         |
|     | Jarak Tulangan                    | 0,20               | m    |             |   |              |                   |              |         |
|     | Ukuran Besi                       | 0,010              | m    |             |   |              |                   |              |         |
|     | Berat Tul                         | 0,617              | Kg/m |             |   |              |                   |              |         |
|     | jumlah besi                       | 3,00               | Bh   |             |   |              |                   |              |         |
|     | Panjang Besi 1 Luasan             | 9,00               | m    |             |   |              |                   |              |         |
|     | Total Luasan                      | 1,00               | Bh   |             |   |              |                   |              |         |
|     | Total Panjang Besi 1 Luasan       | 9,00               | m    |             |   |              |                   |              |         |
|     | Berat Total Besi Lapangan X 2     | 5,55               | Kg   |             |   |              |                   |              |         |
|     | Total Penulangan Luasan 17 Arah X | Tumpuan X 1        | +    | Tumpuan X 2 | + | Lapangan X 1 | +                 | Lapangan X 1 | =       |
|     |                                   | 5,55               | +    | 5,55        | + | 5,97         | +                 | 5,55         | = 22,63 |



| NO. | URAIAN PEKERJAAN                  | URAIAN PERHITUNGAN |           |             |                   |              | VOLUME | SAT.         |
|-----|-----------------------------------|--------------------|-----------|-------------|-------------------|--------------|--------|--------------|
|     |                                   | Panjang (P)        | Lebar (L) | Tinggi (T)  | Banyak Luasan (Q) | Total        |        |              |
| 1   | 2                                 | 3                  | 4         | 5           | 6                 | 7            | 8      | 9            |
|     | Luasan 17 (Arah Y)                |                    |           |             |                   |              |        |              |
|     | Lx                                | 3,00               | m         |             |                   |              |        |              |
|     | Ly                                | 1,12               | m         |             |                   |              |        |              |
|     | 1. Tumpuan Y 1                    |                    |           |             |                   |              |        |              |
|     | Panjang (a)                       | 1,12               | m         |             |                   |              |        |              |
|     | Panjang Total                     | 1,12               | m         |             |                   |              |        |              |
|     | Jarak Tulangan                    | 0,20               | m         |             |                   |              |        |              |
|     | Ukuran Besi                       | 0,010              | m         |             |                   |              |        |              |
|     | Berat Tul                         | 0,617              | Kg/m      |             |                   |              |        |              |
|     | jumlah besi                       | 8,00               | Bh        |             |                   |              |        |              |
|     | Panjang Besi 1 Luasan             | 8,96               | m         |             |                   |              |        |              |
|     | Total Luasan                      | 1,00               | Bh        |             |                   |              |        |              |
|     | Total Panjang Besi 1 Luasan       | 8,96               | m         |             |                   |              |        |              |
|     | Berat Total Besi Tumpuan Y 1      | 5,53               | Kg        |             |                   |              |        |              |
|     | 2. Tumpuan Y 2                    |                    |           |             |                   |              |        |              |
|     | Panjang (a)                       | 1,12               | m         |             |                   |              |        |              |
|     | Panjang Total                     | 1,12               | m         |             |                   |              |        |              |
|     | Jarak Tulangan                    | 0,20               | m         |             |                   |              |        |              |
|     | Ukuran Besi                       | 0,010              | m         |             |                   |              |        |              |
|     | Berat Tul                         | 0,617              | Kg/m      |             |                   |              |        |              |
|     | jumlah besi                       | 8,00               | Bh        |             |                   |              |        |              |
|     | Panjang Besi 1 Luasan             | 8,96               | m         |             |                   |              |        |              |
|     | Total Luasan                      | 1,00               | Bh        |             |                   |              |        |              |
|     | Total Panjang Besi 1 Luasan       | 8,96               | m         |             |                   |              |        |              |
|     | Berat Total Besi Tumpuan Y 2      | 5,53               | Kg        |             |                   |              |        |              |
|     | 3. Lapangan Y 1                   |                    |           |             |                   |              |        |              |
|     | Panjang (a)                       | 0,56               | m         |             |                   |              |        |              |
|     | Panjang (b)                       | 0,28               | m         |             |                   |              |        |              |
|     |                                   | 0,28               | m         |             |                   |              |        |              |
|     | Panjang (c)                       | 0,11               | m         |             |                   |              |        |              |
|     |                                   | 0,11               | m         |             |                   |              |        |              |
|     | Panjang Total                     | 1,35               | m         |             |                   |              |        |              |
|     | Jarak Tulangan                    | 0,20               | m         |             |                   |              |        |              |
|     | Ukuran Besi                       | 0,010              | m         |             |                   |              |        |              |
|     | Berat Tul                         | 0,617              | Kg/m      |             |                   |              |        |              |
|     | jumlah besi                       | 8,00               | Bh        |             |                   |              |        |              |
|     | Panjang Besi 1 Luasan             | 10,77              | m         |             |                   |              |        |              |
|     | Total Luasan                      | 1,00               | Bh        |             |                   |              |        |              |
|     | Total Panjang Besi 1 Luasan       | 10,77              | m         |             |                   |              |        |              |
|     | Berat Total Besi lapangan Y 1     | 6,65               | Kg        |             |                   |              |        |              |
|     | 4. Lapangan Y 2                   |                    |           |             |                   |              |        |              |
|     | Panjang (a)                       | 1,12               | m         |             |                   |              |        |              |
|     | Panjang Total                     | 1,12               | m         |             |                   |              |        |              |
|     | Jarak Tulangan                    | 0,20               | m         |             |                   |              |        |              |
|     | Ukuran Besi                       | 0,010              | m         |             |                   |              |        |              |
|     | Berat Tul                         | 0,617              | Kg/m      |             |                   |              |        |              |
|     | jumlah besi                       | 8,00               | Bh        |             |                   |              |        |              |
|     | Panjang Besi 1 Luasan             | 8,96               | m         |             |                   |              |        |              |
|     | Total Luasan                      | 1,00               | Bh        |             |                   |              |        |              |
|     | Total Panjang Besi 1 Luasan       | 8,96               | m         |             |                   |              |        |              |
|     | Berat Total Besi Lapangan Y 2     | 5,53               | Kg        |             |                   |              |        |              |
|     | Total Penulangan Luasan 17 Arah Y | Tumpuan Y 1        | +         | Tumpuan Y 2 | +                 | Lapangan Y 1 | +      | Lapangan Y 2 |
|     |                                   | 5,53               | +         | 5,53        | +                 | 6,65         | +      | 5,53         |
|     |                                   |                    |           |             |                   |              | =      | 23,23        |
|     | Total Penulangan Luasan 17        | Arah X             | +         | Arah Y      |                   |              |        |              |
|     |                                   | 22,63              | +         | 23,23       |                   |              | =      | 45,86        |
|     | Luasan 18 (Arah X)                |                    |           |             |                   |              |        |              |
|     | Lx                                | 2,04               | m         |             |                   |              |        |              |
|     | Ly                                | 1,86               | m         |             |                   |              |        |              |
|     | 1. Tumpuan X 1                    |                    |           |             |                   |              |        |              |
|     | Panjang (a)                       | 2,04               | m         |             |                   |              |        |              |
|     | Panjang Total                     | 2,04               | m         |             |                   |              |        |              |
|     | Jarak Tulangan                    | 0,20               | m         |             |                   |              |        |              |
|     | Ukuran Besi                       | 0,010              | m         |             |                   |              |        |              |
|     | Berat Tul                         | 0,617              | Kg/m      |             |                   |              |        |              |
|     | jumlah besi                       | 5,00               | Bh        |             |                   |              |        |              |
|     | Panjang Besi 1 Luasan             | 10,20              | m         |             |                   |              |        |              |
|     | Total Luasan                      | 1,00               | Bh        |             |                   |              |        |              |
|     | Total Panjang Besi 1 Luasan       | 10,20              | m         |             |                   |              |        |              |
|     | Berat Total Besi Tumpuan X 1      | 6,29               | Kg        |             |                   |              |        |              |

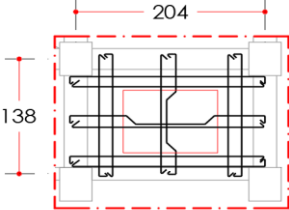


| NO. | URAIAN PEKERJAAN                  | URAIAN PERHITUNGAN |      |             |            |                   |   | VOLUME       | SAT.  |
|-----|-----------------------------------|--------------------|------|-------------|------------|-------------------|---|--------------|-------|
|     |                                   | Panjang (P)        |      | Lebar (L)   | Tinggi (T) | Banyak Luasan (Q) |   | Total        |       |
| 1   | 2                                 | 3                  |      | 4           | 5          | 6                 |   | 7            | 8     |
|     | 2. Tumpuan X 2                    |                    |      |             |            |                   |   |              |       |
|     | Panjang (a)                       | 2,04               | m    |             |            |                   |   |              |       |
|     | Panjang Total                     | 2,04               | m    |             |            |                   |   |              |       |
|     | Jarak Tulangan                    | 0,20               | m    |             |            |                   |   |              |       |
|     | Ukuran Besi                       | 0,010              | m    |             |            |                   |   |              |       |
|     | Berat Tul                         | 0,617              | Kg/m |             |            |                   |   |              |       |
|     | jumlah besi                       | 5,00               | Bh   |             |            |                   |   |              |       |
|     | Panjang Besi 1 Luasan             | 10,20              | m    |             |            |                   |   |              |       |
|     | Total Luasan                      | 1,00               | Bh   |             |            |                   |   |              |       |
|     | Total Panjang Besi 1 Luasan       | 10,20              | m    |             |            |                   |   |              |       |
|     | Berat Total Besi Tumpuan X 2      | 6,29               | Kg   |             |            |                   |   |              |       |
|     | 3. Lapangan X 1                   |                    |      |             |            |                   |   |              |       |
|     | Panjang (a)                       | 1,02               | m    |             |            |                   |   |              |       |
|     | Panjang (b)                       | 0,51               | m    |             |            |                   |   |              |       |
|     |                                   | 0,51               | m    |             |            |                   |   |              |       |
|     | Panjang (c)                       | 0,11               | m    |             |            |                   |   |              |       |
|     |                                   | 0,11               | m    |             |            |                   |   |              |       |
|     | Panjang Total                     | 2,27               | m    |             |            |                   |   |              |       |
|     | Jarak Tulangan                    | 0,20               | m    |             |            |                   |   |              |       |
|     | Ukuran Besi                       | 0,010              | m    |             |            |                   |   |              |       |
|     | Berat Tul                         | 0,617              | Kg/m |             |            |                   |   |              |       |
|     | jumlah besi                       | 5,00               | Bh   |             |            |                   |   |              |       |
|     | Panjang Besi 1 Luasan             | 11,33              | m    |             |            |                   |   |              |       |
|     | Total Luasan                      | 1,00               | Bh   |             |            |                   |   |              |       |
|     | Total Panjang Besi 1 Luasan       | 11,33              | m    |             |            |                   |   |              |       |
|     | Berat Total Besi lapangan X 1     | 6,99               | Kg   |             |            |                   |   |              |       |
|     | 4. Lapangan X 2                   |                    |      |             |            |                   |   |              |       |
|     | Panjang (a)                       | 2,04               | m    |             |            |                   |   |              |       |
|     | Panjang Total                     | 2,04               | m    |             |            |                   |   |              |       |
|     | Jarak Tulangan                    | 0,20               | m    |             |            |                   |   |              |       |
|     | Ukuran Besi                       | 0,010              | m    |             |            |                   |   |              |       |
|     | Berat Tul                         | 0,617              | Kg/m |             |            |                   |   |              |       |
|     | jumlah besi                       | 5,00               | Bh   |             |            |                   |   |              |       |
|     | Panjang Besi 1 Luasan             | 10,20              | m    |             |            |                   |   |              |       |
|     | Total Luasan                      | 1,00               | Bh   |             |            |                   |   |              |       |
|     | Total Panjang Besi 1 Luasan       | 10,20              | m    |             |            |                   |   |              |       |
|     | Berat Total Besi Lapangan X 2     | 6,29               | Kg   |             |            |                   |   |              |       |
|     | Total Penulangan Luasan 18 Arah X | Tumpuan X 1        | +    | Tumpuan X 2 | +          | Lapangan X 1      | + | Lapangan X 1 | =     |
|     |                                   | 6,29               | +    | 6,29        | +          | 6,99              | + | 6,29         | 25,87 |
|     | Luasan 18 (Arah Y)                |                    |      |             |            |                   |   |              |       |
|     | Lx                                | 2,04               | m    |             |            |                   |   |              |       |
|     | Ly                                | 1,86               | m    |             |            |                   |   |              |       |
|     | 1. Tumpuan Y 1                    |                    |      |             |            |                   |   |              |       |
|     | Panjang (a)                       | 1,86               | m    |             |            |                   |   |              |       |
|     | Panjang Total                     | 1,86               | m    |             |            |                   |   |              |       |
|     | Jarak Tulangan                    | 0,20               | m    |             |            |                   |   |              |       |
|     | Ukuran Besi                       | 0,010              | m    |             |            |                   |   |              |       |
|     | Berat Tul                         | 0,617              | Kg/m |             |            |                   |   |              |       |
|     | jumlah besi                       | 6,00               | Bh   |             |            |                   |   |              |       |
|     | Panjang Besi 1 Luasan             | 11,16              | m    |             |            |                   |   |              |       |
|     | Total Luasan                      | 1,00               | Bh   |             |            |                   |   |              |       |
|     | Total Panjang Besi 1 Luasan       | 11,16              | m    |             |            |                   |   |              |       |
|     | Berat Total Besi Tumpuan Y 1      | 6,89               | Kg   |             |            |                   |   |              |       |
|     | 2. Tumpuan Y 2                    |                    |      |             |            |                   |   |              |       |
|     | Panjang (a)                       | 1,86               | m    |             |            |                   |   |              |       |
|     | Panjang Total                     | 1,86               | m    |             |            |                   |   |              |       |
|     | Jarak Tulangan                    | 0,20               | m    |             |            |                   |   |              |       |
|     | Ukuran Besi                       | 0,010              | m    |             |            |                   |   |              |       |
|     | Berat Tul                         | 0,617              | Kg/m |             |            |                   |   |              |       |
|     | jumlah besi                       | 6,00               | Bh   |             |            |                   |   |              |       |
|     | Panjang Besi 1 Luasan             | 11,16              | m    |             |            |                   |   |              |       |
|     | Total Luasan                      | 1,00               | Bh   |             |            |                   |   |              |       |
|     | Total Panjang Besi 1 Luasan       | 11,16              | m    |             |            |                   |   |              |       |
|     | Berat Total Besi Tumpuan Y 2      | 6,89               | Kg   |             |            |                   |   |              |       |

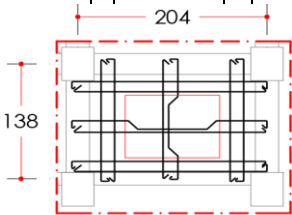


LUASAN 18 - 01 BH

| NO. | URAIAN PEKERJAAN                  | URAIAN PERHITUNGAN |           |             |                   |              | VOLUME | SAT.         |
|-----|-----------------------------------|--------------------|-----------|-------------|-------------------|--------------|--------|--------------|
|     |                                   | Panjang (P)        | Lebar (L) | Tinggi (T)  | Banyak Luasan (Q) | Total        |        |              |
| 1   | 2                                 | 3                  | 4         | 5           | 6                 | 7            | 8      | 9            |
|     | 3. Lapangan Y 1                   |                    |           |             |                   |              |        |              |
|     | Panjang (a)                       | 0,93               | m         |             |                   |              |        |              |
|     | Panjang (b)                       | 0,47               | m         |             |                   |              |        |              |
|     |                                   | 0,47               | m         |             |                   |              |        |              |
|     | Panjang (c)                       | 0,11               | m         |             |                   |              |        |              |
|     |                                   | 0,11               | m         |             |                   |              |        |              |
|     | Panjang Total                     | 2,09               | m         |             |                   |              |        |              |
|     | Jarak Tulangan                    | 0,20               | m         |             |                   |              |        |              |
|     | Ukuran Besi                       | 0,010              | m         |             |                   |              |        |              |
|     | Berat Tul                         | 0,617              | Kg/m      |             |                   |              |        |              |
|     | jumlah besi                       | 6,00               | Bh        |             |                   |              |        |              |
|     | Panjang Besi 1 Luasan             | 12,52              | m         |             |                   |              |        |              |
|     | Total Luasan                      | 1,00               | Bh        |             |                   |              |        |              |
|     | Total Panjang Besi 1 Luasan       | 12,52              | m         |             |                   |              |        |              |
|     | Berat Total Besi lapangan Y 1     | 7,72               | Kg        |             |                   |              |        |              |
|     | 4. Lapangan Y 2                   |                    |           |             |                   |              |        |              |
|     | Panjang (a)                       | 1,86               | m         |             |                   |              |        |              |
|     | Panjang Total                     | 1,86               | m         |             |                   |              |        |              |
|     | Jarak Tulangan                    | 0,20               | m         |             |                   |              |        |              |
|     | Ukuran Besi                       | 0,010              | m         |             |                   |              |        |              |
|     | Berat Tul                         | 0,617              | Kg/m      |             |                   |              |        |              |
|     | jumlah besi                       | 6,00               | Bh        |             |                   |              |        |              |
|     | Panjang Besi 1 Luasan             | 11,16              | m         |             |                   |              |        |              |
|     | Total Luasan                      | 1,00               | Bh        |             |                   |              |        |              |
|     | Total Panjang Besi 1 Luasan       | 11,16              | m         |             |                   |              |        |              |
|     | Berat Total Besi Lapangan Y 2     | 6,89               | Kg        |             |                   |              |        |              |
|     | Total Penulangan Luasan 18 Arah Y | Tumpuan Y 1        | +         | Tumpuan Y 2 | +                 | Lapangan Y 1 | +      | Lapangan Y 2 |
|     |                                   | 6,89               | +         | 6,89        | +                 | 7,72         | +      | 6,89         |
|     |                                   |                    |           |             |                   |              | =      | 28,38        |
|     | Total Penulangan Luasan 18        | Arah X             | +         | Arah Y      |                   |              |        |              |
|     |                                   | 25,87              | +         | 28,38       |                   |              | =      | 54,25        |
|     | Luasan 19 (Arah X)                |                    |           |             |                   |              |        |              |
|     | Lx                                | 2,04               | m         |             |                   |              |        |              |
|     | Ly                                | 1,38               | m         |             |                   |              |        |              |
|     | 1. Tumpuan X 1                    |                    |           |             |                   |              |        |              |
|     | Panjang (a)                       | 2,04               | m         |             |                   |              |        |              |
|     | Panjang Total                     | 2,04               | m         |             |                   |              |        |              |
|     | Jarak Tulangan                    | 0,20               | m         |             |                   |              |        |              |
|     | Ukuran Besi                       | 0,010              | m         |             |                   |              |        |              |
|     | Berat Tul                         | 0,617              | Kg/m      |             |                   |              |        |              |
|     | jumlah besi                       | 4,00               | Bh        |             |                   |              |        |              |
|     | Panjang Besi 1 Luasan             | 8,16               | m         |             |                   |              |        |              |
|     | Total Luasan                      | 1,00               | Bh        |             |                   |              |        |              |
|     | Total Panjang Besi 1 Luasan       | 8,16               | m         |             |                   |              |        |              |
|     | Berat Total Besi Tumpuan X 1      | 5,03               | Kg        |             |                   |              |        |              |
|     | 2. Tumpuan X 2                    |                    |           |             |                   |              |        |              |
|     | Panjang (a)                       | 2,04               | m         |             |                   |              |        |              |
|     | Panjang Total                     | 2,04               | m         |             |                   |              |        |              |
|     | Jarak Tulangan                    | 0,20               | m         |             |                   |              |        |              |
|     | Ukuran Besi                       | 0,010              | m         |             |                   |              |        |              |
|     | Berat Tul                         | 0,617              | Kg/m      |             |                   |              |        |              |
|     | jumlah besi                       | 4,00               | Bh        |             |                   |              |        |              |
|     | Panjang Besi 1 Luasan             | 8,16               | m         |             |                   |              |        |              |
|     | Total Luasan                      | 1,00               | Bh        |             |                   |              |        |              |
|     | Total Panjang Besi 1 Luasan       | 8,16               | m         |             |                   |              |        |              |
|     | Berat Total Besi Tumpuan X 2      | 5,03               | Kg        |             |                   |              |        |              |
|     | 3. Lapangan X 1                   |                    |           |             |                   |              |        |              |
|     | Panjang (a)                       | 1,02               | m         |             |                   |              |        |              |
|     | Panjang (b)                       | 0,51               | m         |             |                   |              |        |              |
|     |                                   | 0,51               | m         |             |                   |              |        |              |
|     | Panjang (c)                       | 0,11               | m         |             |                   |              |        |              |
|     |                                   | 0,11               | m         |             |                   |              |        |              |
|     | Panjang Total                     | 2,27               | m         |             |                   |              |        |              |
|     | Jarak Tulangan                    | 0,20               | m         |             |                   |              |        |              |
|     | Ukuran Besi                       | 0,010              | m         |             |                   |              |        |              |
|     | Berat Tul                         | 0,617              | Kg/m      |             |                   |              |        |              |
|     | jumlah besi                       | 4,00               | Bh        |             |                   |              |        |              |
|     | Panjang Besi 1 Luasan             | 9,07               | m         |             |                   |              |        |              |
|     | Total Luasan                      | 1,00               | Bh        |             |                   |              |        |              |
|     | Total Panjang Besi 1 Luasan       | 9,07               | m         |             |                   |              |        |              |
|     | Berat Total Besi lapangan X 1     | 5,59               | Kg        |             |                   |              |        |              |

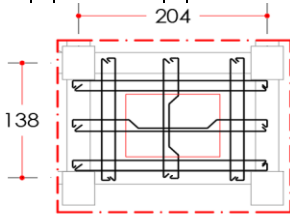


LUASAN 19 = 01 BH



LUASAN 19 = 01 BH

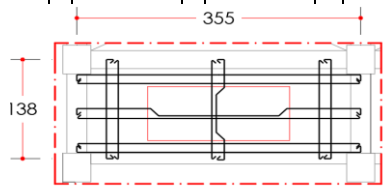
| NO. | URAIAN PEKERJAAN                  | URAIAN PERHITUNGAN |      |             |   |              |                   | VOLUME       | SAT.    |
|-----|-----------------------------------|--------------------|------|-------------|---|--------------|-------------------|--------------|---------|
|     |                                   | Panjang (P)        |      | Lebar (L)   |   | Tinggi (T)   | Banyak Luasan (Q) | Total        |         |
| 1   | 2                                 | 3                  |      | 4           |   | 5            | 6                 | 7            | 8       |
|     | 4. Lapangan X 2                   |                    |      |             |   |              |                   |              |         |
|     | Panjang (a)                       | 2,04               | m    |             |   |              |                   |              |         |
|     | Panjang Total                     | 2,04               | m    |             |   |              |                   |              |         |
|     | Jarak Tulangan                    | 0,20               | m    |             |   |              |                   |              |         |
|     | Ukuran Besi                       | 0,010              | m    |             |   |              |                   |              |         |
|     | Berat Tul                         | 0,617              | Kg/m |             |   |              |                   |              |         |
|     | jumlah besi                       | 4,00               | Bh   |             |   |              |                   |              |         |
|     | Panjang Besi 1 Luasan             | 8,16               | m    |             |   |              |                   |              |         |
|     | Total Luasan                      | 1,00               | Bh   |             |   |              |                   |              |         |
|     | Total Panjang Besi 1 Luasan       | 8,16               | m    |             |   |              |                   |              |         |
|     | Berat Total Besi Lapangan X 2     | 5,03               | Kg   |             |   |              |                   |              |         |
|     | Total Penulangan Luasan 19 Arah X | Tumpuan X 1        | +    | Tumpuan X 2 | + | Lapangan X 1 | +                 | Lapangan X 1 | =       |
|     |                                   | 5,03               | +    | 5,03        | + | 5,59         | +                 | 5,03         | = 20,70 |
|     | Luasan 19 (Arah Y)                |                    |      |             |   |              |                   |              |         |
|     | Lx                                | 2,04               | m    |             |   |              |                   |              |         |
|     | Ly                                | 1,38               | m    |             |   |              |                   |              |         |
|     | 1. Tumpuan Y 1                    |                    |      |             |   |              |                   |              |         |
|     | Panjang (a)                       | 1,38               | m    |             |   |              |                   |              |         |
|     | Panjang Total                     | 1,38               | m    |             |   |              |                   |              |         |
|     | Jarak Tulangan                    | 0,20               | m    |             |   |              |                   |              |         |
|     | Ukuran Besi                       | 0,010              | m    |             |   |              |                   |              |         |
|     | Berat Tul                         | 0,617              | Kg/m |             |   |              |                   |              |         |
|     | jumlah besi                       | 6,00               | Bh   |             |   |              |                   |              |         |
|     | Panjang Besi 1 Luasan             | 8,28               | m    |             |   |              |                   |              |         |
|     | Total Luasan                      | 1,00               | Bh   |             |   |              |                   |              |         |
|     | Total Panjang Besi 1 Luasan       | 8,28               | m    |             |   |              |                   |              |         |
|     | Berat Total Besi Tumpuan Y 1      | 5,11               | Kg   |             |   |              |                   |              |         |
|     | 2. Tumpuan Y 2                    |                    |      |             |   |              |                   |              |         |
|     | Panjang (a)                       | 1,38               | m    |             |   |              |                   |              |         |
|     | Panjang Total                     | 1,38               | m    |             |   |              |                   |              |         |
|     | Jarak Tulangan                    | 0,20               | m    |             |   |              |                   |              |         |
|     | Ukuran Besi                       | 0,010              | m    |             |   |              |                   |              |         |
|     | Berat Tul                         | 0,617              | Kg/m |             |   |              |                   |              |         |
|     | jumlah besi                       | 6,00               | Bh   |             |   |              |                   |              |         |
|     | Panjang Besi 1 Luasan             | 8,28               | m    |             |   |              |                   |              |         |
|     | Total Luasan                      | 1,00               | Bh   |             |   |              |                   |              |         |
|     | Total Panjang Besi 1 Luasan       | 8,28               | m    |             |   |              |                   |              |         |
|     | Berat Total Besi Tumpuan Y 2      | 5,11               | Kg   |             |   |              |                   |              |         |
|     | 3. Lapangan Y 1                   |                    |      |             |   |              |                   |              |         |
|     | Panjang (a)                       | 0,69               | m    |             |   |              |                   |              |         |
|     | Panjang (b)                       | 0,35               | m    |             |   |              |                   |              |         |
|     |                                   | 0,35               | m    |             |   |              |                   |              |         |
|     | Panjang (c)                       | 0,11               | m    |             |   |              |                   |              |         |
|     |                                   | 0,11               | m    |             |   |              |                   |              |         |
|     | Panjang Total                     | 1,61               | m    |             |   |              |                   |              |         |
|     | Jarak Tulangan                    | 0,20               | m    |             |   |              |                   |              |         |
|     | Ukuran Besi                       | 0,010              | m    |             |   |              |                   |              |         |
|     | Berat Tul                         | 0,617              | Kg/m |             |   |              |                   |              |         |
|     | jumlah besi                       | 6,00               | Bh   |             |   |              |                   |              |         |
|     | Panjang Besi 1 Luasan             | 9,64               | m    |             |   |              |                   |              |         |
|     | Total Luasan                      | 1,00               | Bh   |             |   |              |                   |              |         |
|     | Total Panjang Besi 1 Luasan       | 9,64               | m    |             |   |              |                   |              |         |
|     | Berat Total Besi lapangan Y 1     | 5,95               | Kg   |             |   |              |                   |              |         |
|     | 4. Lapangan Y 2                   |                    |      |             |   |              |                   |              |         |
|     | Panjang (a)                       | 1,38               | m    |             |   |              |                   |              |         |
|     | Panjang Total                     | 1,38               | m    |             |   |              |                   |              |         |
|     | Jarak Tulangan                    | 0,20               | m    |             |   |              |                   |              |         |
|     | Ukuran Besi                       | 0,010              | m    |             |   |              |                   |              |         |
|     | Berat Tul                         | 0,617              | Kg/m |             |   |              |                   |              |         |
|     | jumlah besi                       | 6,00               | Bh   |             |   |              |                   |              |         |
|     | Panjang Besi 1 Luasan             | 8,28               | m    |             |   |              |                   |              |         |
|     | Total Luasan                      | 1,00               | Bh   |             |   |              |                   |              |         |
|     | Total Panjang Besi 1 Luasan       | 8,28               | m    |             |   |              |                   |              |         |
|     | Berat Total Besi Lapangan Y 2     | 5,11               | Kg   |             |   |              |                   |              |         |
|     | Total Penulangan Luasan 19 Arah Y | Tumpuan Y 1        | +    | Tumpuan Y 2 | + | Lapangan Y 1 | +                 | Lapangan Y 2 | =       |
|     |                                   | 5,11               | +    | 5,11        | + | 5,95         | +                 | 5,11         | = 21,27 |
|     | Total Penulangan Luasan 19        | Arah X             | +    | Arah Y      |   |              |                   |              | =       |
|     |                                   | 20,70              | +    | 21,27       |   |              |                   |              | = 41,97 |



LUASAN 19 - 01 BH

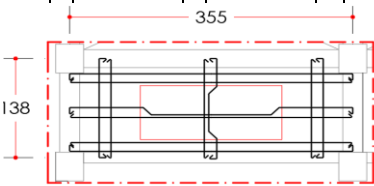
| NO. | URAIAN PEKERJAAN                  | URAIAN PERHITUNGAN |           |             |                   |              | VOLUME | SAT.         |
|-----|-----------------------------------|--------------------|-----------|-------------|-------------------|--------------|--------|--------------|
|     |                                   | Panjang (P)        | Lebar (L) | Tinggi (T)  | Banyak Luasan (Q) | Total        |        |              |
| 1   | 2                                 | 3                  | 4         | 5           | 6                 | 7            | 8      | 9            |
|     | Luasan 20 (Arah X)                |                    |           |             |                   |              |        |              |
|     | Lx                                | 3,48               | m         |             |                   |              |        |              |
|     | Ly                                | 1,38               | m         |             |                   |              |        |              |
|     | 1. Tumpuan X 1                    |                    |           |             |                   |              |        |              |
|     | Panjang (a)                       | 3,48               | m         |             |                   |              |        |              |
|     | Panjang Total                     | 3,48               | m         |             |                   |              |        |              |
|     | Jarak Tulangan                    | 0,20               | m         |             |                   |              |        |              |
|     | Ukuran Besi                       | 0,010              | m         |             |                   |              |        |              |
|     | Berat Tul                         | 0,617              | Kg/m      |             |                   |              |        |              |
|     | jumlah besi                       | 4,00               | Bh        |             |                   |              |        |              |
|     | Panjang Besi 1 Luasan             | 13,92              | m         |             |                   |              |        |              |
|     | Total Luasan                      | 1,00               | Bh        |             |                   |              |        |              |
|     | Total Panjang Besi 1 Luasan       | 13,92              | m         |             |                   |              |        |              |
|     | Berat Total Besi Tumpuan X 1      | 8,59               | Kg        |             |                   |              |        |              |
|     | 2. Tumpuan X 2                    |                    |           |             |                   |              |        |              |
|     | Panjang (a)                       | 3,48               | m         |             |                   |              |        |              |
|     | Panjang Total                     | 3,48               | m         |             |                   |              |        |              |
|     | Jarak Tulangan                    | 0,20               | m         |             |                   |              |        |              |
|     | Ukuran Besi                       | 0,010              | m         |             |                   |              |        |              |
|     | Berat Tul                         | 0,617              | Kg/m      |             |                   |              |        |              |
|     | jumlah besi                       | 4,00               | Bh        |             |                   |              |        |              |
|     | Panjang Besi 1 Luasan             | 13,92              | m         |             |                   |              |        |              |
|     | Total Luasan                      | 1,00               | Bh        |             |                   |              |        |              |
|     | Total Panjang Besi 1 Luasan       | 13,92              | m         |             |                   |              |        |              |
|     | Berat Total Besi Tumpuan X 2      | 8,59               | Kg        |             |                   |              |        |              |
|     | 3. Lapangan X 1                   |                    |           |             |                   |              |        |              |
|     | Panjang (a)                       | 1,74               | m         |             |                   |              |        |              |
|     | Panjang (b)                       | 0,87               | m         |             |                   |              |        |              |
|     |                                   | 0,87               | m         |             |                   |              |        |              |
|     | Panjang (c)                       | 0,11               | m         |             |                   |              |        |              |
|     |                                   | 0,11               | m         |             |                   |              |        |              |
|     | Panjang Total                     | 3,71               | m         |             |                   |              |        |              |
|     | Jarak Tulangan                    | 0,20               | m         |             |                   |              |        |              |
|     | Ukuran Besi                       | 0,010              | m         |             |                   |              |        |              |
|     | Berat Tul                         | 0,617              | Kg/m      |             |                   |              |        |              |
|     | jumlah besi                       | 4,00               | Bh        |             |                   |              |        |              |
|     | Panjang Besi 1 Luasan             | 14,83              | m         |             |                   |              |        |              |
|     | Total Luasan                      | 1,00               | Bh        |             |                   |              |        |              |
|     | Total Panjang Besi 1 Luasan       | 14,83              | m         |             |                   |              |        |              |
|     | Berat Total Besi lapangan X 1     | 9,15               | Kg        |             |                   |              |        |              |
|     | 4. Lapangan X 2                   |                    |           |             |                   |              |        |              |
|     | Panjang (a)                       | 3,48               | m         |             |                   |              |        |              |
|     | Panjang Total                     | 3,48               | m         |             |                   |              |        |              |
|     | Jarak Tulangan                    | 0,20               | m         |             |                   |              |        |              |
|     | Ukuran Besi                       | 0,010              | m         |             |                   |              |        |              |
|     | Berat Tul                         | 0,617              | Kg/m      |             |                   |              |        |              |
|     | jumlah besi                       | 4,00               | Bh        |             |                   |              |        |              |
|     | Panjang Besi 1 Luasan             | 13,92              | m         |             |                   |              |        |              |
|     | Total Luasan                      | 1,00               | Bh        |             |                   |              |        |              |
|     | Total Panjang Besi 1 Luasan       | 13,92              | m         |             |                   |              |        |              |
|     | Berat Total Besi Lapangan X 2     | 8,59               | Kg        |             |                   |              |        |              |
|     | Total Penulangan Luasan 20 Arah X | Tumpuan X 1        | +         | Tumpuan X 2 | +                 | Lapangan X 1 | +      | Lapangan X 1 |
|     |                                   | 8,59               | +         | 8,59        | +                 | 9,15         | +      | 8,59         |
|     |                                   |                    |           |             |                   |              | =      | 34,91        |
|     | Luasan 20 (Arah Y)                |                    |           |             |                   |              |        |              |
|     | Lx                                | 3,48               | m         |             |                   |              |        |              |
|     | Ly                                | 1,38               | m         |             |                   |              |        |              |
|     | 1. Tumpuan Y 1                    |                    |           |             |                   |              |        |              |
|     | Panjang (a)                       | 1,38               | m         |             |                   |              |        |              |
|     | Panjang Total                     | 1,38               | m         |             |                   |              |        |              |
|     | Jarak Tulangan                    | 0,20               | m         |             |                   |              |        |              |
|     | Ukuran Besi                       | 0,010              | m         |             |                   |              |        |              |
|     | Berat Tul                         | 0,617              | Kg/m      |             |                   |              |        |              |
|     | jumlah besi                       | 9,00               | Bh        |             |                   |              |        |              |
|     | Panjang Besi 1 Luasan             | 12,42              | m         |             |                   |              |        |              |
|     | Total Luasan                      | 1,00               | Bh        |             |                   |              |        |              |
|     | Total Panjang Besi 1 Luasan       | 12,42              | m         |             |                   |              |        |              |
|     | Berat Total Besi Tumpuan Y 1      | 7,66               | Kg        |             |                   |              |        |              |

| NO. | URAIAN PEKERJAAN                  | URAIAN PERHITUNGAN |      |             |   |              |                   | VOLUME       | SAT.    |
|-----|-----------------------------------|--------------------|------|-------------|---|--------------|-------------------|--------------|---------|
|     |                                   | Panjang (P)        |      | Lebar (L)   |   | Tinggi (T)   | Banyak Luasan (Q) | Total        |         |
| 1   | 2                                 | 3                  |      | 4           |   | 5            | 6                 | 7            | 8       |
|     | 2. Tumpuan Y 2                    |                    |      |             |   |              |                   |              |         |
|     | Panjang (a)                       | 1,38               | m    |             |   |              |                   |              |         |
|     | Panjang Total                     | 1,38               | m    |             |   |              |                   |              |         |
|     | Jarak Tulangan                    | 0,20               | m    |             |   |              |                   |              |         |
|     | Ukuran Besi                       | 0,010              | m    |             |   |              |                   |              |         |
|     | Berat Tul                         | 0,617              | Kg/m |             |   |              |                   |              |         |
|     | jumlah besi                       | 9,00               | Bh   |             |   |              |                   |              |         |
|     | Panjang Besi 1 Luasan             | 12,42              | m    |             |   |              |                   |              |         |
|     | Total Luasan                      | 1,00               | Bh   |             |   |              |                   |              |         |
|     | Total Panjang Besi 1 Luasan       | 12,42              | m    |             |   |              |                   |              |         |
|     | Berat Total Besi Tumpuan Y 2      | 7,66               | Kg   |             |   |              |                   |              |         |
|     | 3. Lapangan Y 1                   |                    |      |             |   |              |                   |              |         |
|     | Panjang (a)                       | 0,69               | m    |             |   |              |                   |              |         |
|     | Panjang (b)                       | 0,35               | m    |             |   |              |                   |              |         |
|     |                                   | 0,35               | m    |             |   |              |                   |              |         |
|     | Panjang (c)                       | 0,11               | m    |             |   |              |                   |              |         |
|     |                                   | 0,11               | m    |             |   |              |                   |              |         |
|     | Panjang Total                     | 1,61               | m    |             |   |              |                   |              |         |
|     | Jarak Tulangan                    | 0,20               | m    |             |   |              |                   |              |         |
|     | Ukuran Besi                       | 0,010              | m    |             |   |              |                   |              |         |
|     | Berat Tul                         | 0,617              | Kg/m |             |   |              |                   |              |         |
|     | jumlah besi                       | 9,00               | Bh   |             |   |              |                   |              |         |
|     | Panjang Besi 1 Luasan             | 14,46              | m    |             |   |              |                   |              |         |
|     | Total Luasan                      | 1,00               | Bh   |             |   |              |                   |              |         |
|     | Total Panjang Besi 1 Luasan       | 14,46              | m    |             |   |              |                   |              |         |
|     | Berat Total Besi lapangan Y 1     | 8,92               | Kg   |             |   |              |                   |              |         |
|     | 4. Lapangan Y 2                   |                    |      |             |   |              |                   |              |         |
|     | Panjang (a)                       | 1,38               | m    |             |   |              |                   |              |         |
|     | Panjang Total                     | 1,38               | m    |             |   |              |                   |              |         |
|     | Jarak Tulangan                    | 0,20               | m    |             |   |              |                   |              |         |
|     | Ukuran Besi                       | 0,010              | m    |             |   |              |                   |              |         |
|     | Berat Tul                         | 0,617              | Kg/m |             |   |              |                   |              |         |
|     | jumlah besi                       | 9,00               | Bh   |             |   |              |                   |              |         |
|     | Panjang Besi 1 Luasan             | 12,42              | m    |             |   |              |                   |              |         |
|     | Total Luasan                      | 1,00               | Bh   |             |   |              |                   |              |         |
|     | Total Panjang Besi 1 Luasan       | 12,42              | m    |             |   |              |                   |              |         |
|     | Berat Total Besi Lapangan Y 2     | 7,66               | Kg   |             |   |              |                   |              |         |
|     | Total Penulangan Luasan 20 Arah Y | Tumpuan Y 1        | +    | Tumpuan Y 2 | + | Lapangan Y 1 | +                 | Lapangan Y 2 | =       |
|     |                                   | 7,66               | +    | 7,66        | + | 8,92         | +                 | 7,66         | = 31,91 |
|     | Total Penulangan Luasan 20        | Arah X             | +    | Arah Y      |   |              |                   |              | =       |
|     |                                   | 34,91              | +    | 31,91       |   |              |                   |              | = 66,82 |
|     | Luasan 21 (Arah X)                |                    |      |             |   |              |                   |              |         |
|     | Lx                                | 3,55               | m    |             |   |              |                   |              |         |
|     | Ly                                | 1,38               | m    |             |   |              |                   |              |         |
|     | 1. Tumpuan X 1                    |                    |      |             |   |              |                   |              |         |
|     | Panjang (a)                       | 3,55               | m    |             |   |              |                   |              |         |
|     | Panjang Total                     | 3,55               | m    |             |   |              |                   |              |         |
|     | Jarak Tulangan                    | 0,20               | m    |             |   |              |                   |              |         |
|     | Ukuran Besi                       | 0,010              | m    |             |   |              |                   |              |         |
|     | Berat Tul                         | 0,617              | Kg/m |             |   |              |                   |              |         |
|     | jumlah besi                       | 4,00               | Bh   |             |   |              |                   |              |         |
|     | Panjang Besi 1 Luasan             | 14,20              | m    |             |   |              |                   |              |         |
|     | Total Luasan                      | 1,00               | Bh   |             |   |              |                   |              |         |
|     | Total Panjang Besi 1 Luasan       | 14,20              | m    |             |   |              |                   |              |         |
|     | Berat Total Besi Tumpuan X 1      | 8,76               | Kg   |             |   |              |                   |              |         |
|     | 2. Tumpuan X 2                    |                    |      |             |   |              |                   |              |         |
|     | Panjang (a)                       | 3,55               | m    |             |   |              |                   |              |         |
|     | Panjang Total                     | 3,55               | m    |             |   |              |                   |              |         |
|     | Jarak Tulangan                    | 0,20               | m    |             |   |              |                   |              |         |
|     | Ukuran Besi                       | 0,010              | m    |             |   |              |                   |              |         |
|     | Berat Tul                         | 0,617              | Kg/m |             |   |              |                   |              |         |
|     | jumlah besi                       | 4,00               | Bh   |             |   |              |                   |              |         |
|     | Panjang Besi 1 Luasan             | 14,20              | m    |             |   |              |                   |              |         |
|     | Total Luasan                      | 1,00               | Bh   |             |   |              |                   |              |         |
|     | Total Panjang Besi 1 Luasan       | 14,20              | m    |             |   |              |                   |              |         |
|     | Berat Total Besi Tumpuan X 2      | 8,76               | Kg   |             |   |              |                   |              |         |



LUASAN 21 = 01 BH

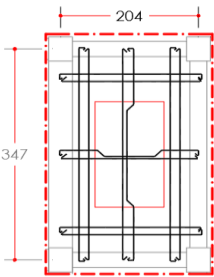
| NO. | URAIAN PEKERJAAN                  | URAIAN PERHITUNGAN |      |             |            |                   | VOLUME | SAT.         |       |
|-----|-----------------------------------|--------------------|------|-------------|------------|-------------------|--------|--------------|-------|
|     |                                   | Panjang (P)        |      | Lebar (L)   | Tinggi (T) | Banyak Luasan (Q) |        |              | Total |
| 1   | 2                                 | 3                  |      | 4           | 5          | 6                 | 7      | 8            | 9     |
|     | 3. Lapangan X 1                   |                    |      |             |            |                   |        |              |       |
|     | Panjang (a)                       | 1,78               | m    |             |            |                   |        |              |       |
|     | Panjang (b)                       | 0,89               | m    |             |            |                   |        |              |       |
|     |                                   | 0,89               | m    |             |            |                   |        |              |       |
|     | Panjang (c)                       | 0,11               | m    |             |            |                   |        |              |       |
|     |                                   | 0,11               | m    |             |            |                   |        |              |       |
|     | Panjang Total                     | 3,78               | m    |             |            |                   |        |              |       |
|     | Jarak Tulangan                    | 0,20               | m    |             |            |                   |        |              |       |
|     | Ukuran Besi                       | 0,010              | m    |             |            |                   |        |              |       |
|     | Berat Tul                         | 0,617              | Kg/m |             |            |                   |        |              |       |
|     | jumlah besi                       | 4,00               | Bh   |             |            |                   |        |              |       |
|     | Panjang Besi 1 Luasan             | 15,11              | m    |             |            |                   |        |              |       |
|     | Total Luasan                      | 1,00               | Bh   |             |            |                   |        |              |       |
|     | Total Panjang Besi 1 Luasan       | 15,11              | m    |             |            |                   |        |              |       |
|     | Berat Total Besi lapangan X 1     | 9,32               | Kg   |             |            |                   |        |              |       |
|     | 4. Lapangan X 2                   |                    |      |             |            |                   |        |              |       |
|     | Panjang (a)                       | 3,55               | m    |             |            |                   |        |              |       |
|     | Panjang Total                     | 3,55               | m    |             |            |                   |        |              |       |
|     | Jarak Tulangan                    | 0,20               | m    |             |            |                   |        |              |       |
|     | Ukuran Besi                       | 0,010              | m    |             |            |                   |        |              |       |
|     | Berat Tul                         | 0,617              | Kg/m |             |            |                   |        |              |       |
|     | jumlah besi                       | 4,00               | Bh   |             |            |                   |        |              |       |
|     | Panjang Besi 1 Luasan             | 14,20              | m    |             |            |                   |        |              |       |
|     | Total Luasan                      | 1,00               | Bh   |             |            |                   |        |              |       |
|     | Total Panjang Besi 1 Luasan       | 14,20              | m    |             |            |                   |        |              |       |
|     | Berat Total Besi Lapangan X 2     | 8,76               | Kg   |             |            |                   |        |              |       |
|     | Total Penulangan Luasan 21 Arah X | Tumpuan X 1        | +    | Tumpuan X 2 | +          | Lapangan X 1      | +      | Lapangan X 1 |       |
|     |                                   | 8,76               | +    | 8,76        | +          | 9,32              | +      | 8,76         | =     |
|     |                                   |                    |      |             |            |                   |        |              | 35,60 |
|     | Luasan 21 (Arah Y)                |                    |      |             |            |                   |        |              |       |
|     | Lx                                | 3,55               | m    |             |            |                   |        |              |       |
|     | Ly                                | 1,38               | m    |             |            |                   |        |              |       |
|     | 1. Tumpuan Y 1                    |                    |      |             |            |                   |        |              |       |
|     | Panjang (a)                       | 1,38               | m    |             |            |                   |        |              |       |
|     | Panjang Total                     | 1,38               | m    |             |            |                   |        |              |       |
|     | Jarak Tulangan                    | 0,20               | m    |             |            |                   |        |              |       |
|     | Ukuran Besi                       | 0,010              | m    |             |            |                   |        |              |       |
|     | Berat Tul                         | 0,617              | Kg/m |             |            |                   |        |              |       |
|     | jumlah besi                       | 9,00               | Bh   |             |            |                   |        |              |       |
|     | Panjang Besi 1 Luasan             | 12,42              | m    |             |            |                   |        |              |       |
|     | Total Luasan                      | 1,00               | Bh   |             |            |                   |        |              |       |
|     | Total Panjang Besi 1 Luasan       | 12,42              | m    |             |            |                   |        |              |       |
|     | Berat Total Besi Tumpuan Y 1      | 7,66               | Kg   |             |            |                   |        |              |       |
|     | 2. Tumpuan Y 2                    |                    |      |             |            |                   |        |              |       |
|     | Panjang (a)                       | 1,38               | m    |             |            |                   |        |              |       |
|     | Panjang Total                     | 1,38               | m    |             |            |                   |        |              |       |
|     | Jarak Tulangan                    | 0,20               | m    |             |            |                   |        |              |       |
|     | Ukuran Besi                       | 0,010              | m    |             |            |                   |        |              |       |
|     | Berat Tul                         | 0,617              | Kg/m |             |            |                   |        |              |       |
|     | jumlah besi                       | 9,00               | Bh   |             |            |                   |        |              |       |
|     | Panjang Besi 1 Luasan             | 12,42              | m    |             |            |                   |        |              |       |
|     | Total Luasan                      | 1,00               | Bh   |             |            |                   |        |              |       |
|     | Total Panjang Besi 1 Luasan       | 12,42              | m    |             |            |                   |        |              |       |
|     | Berat Total Besi Tumpuan Y 2      | 7,66               | Kg   |             |            |                   |        |              |       |
|     | 3. Lapangan Y 1                   |                    |      |             |            |                   |        |              |       |
|     | Panjang (a)                       | 0,69               | m    |             |            |                   |        |              |       |
|     | Panjang (b)                       | 0,35               | m    |             |            |                   |        |              |       |
|     |                                   | 0,35               | m    |             |            |                   |        |              |       |
|     | Panjang (c)                       | 0,11               | m    |             |            |                   |        |              |       |
|     |                                   | 0,11               | m    |             |            |                   |        |              |       |
|     | Panjang Total                     | 1,61               | m    |             |            |                   |        |              |       |
|     | Jarak Tulangan                    | 0,20               | m    |             |            |                   |        |              |       |
|     | Ukuran Besi                       | 0,010              | m    |             |            |                   |        |              |       |
|     | Berat Tul                         | 0,617              | Kg/m |             |            |                   |        |              |       |
|     | jumlah besi                       | 9,00               | Bh   |             |            |                   |        |              |       |
|     | Panjang Besi 1 Luasan             | 14,46              | m    |             |            |                   |        |              |       |
|     | Total Luasan                      | 1,00               | Bh   |             |            |                   |        |              |       |
|     | Total Panjang Besi 1 Luasan       | 14,46              | m    |             |            |                   |        |              |       |
|     | Berat Total Besi lapangan Y 1     | 8,92               | Kg   |             |            |                   |        |              |       |



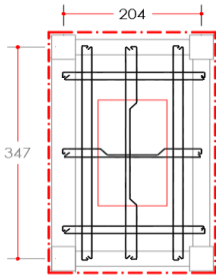
LUASAN 21 - 01 BH

| NO. | URAIAN PEKERJAAN                  | URAIAN PERHITUNGAN |      |             |   |              |                   | VOLUME       | SAT. |       |
|-----|-----------------------------------|--------------------|------|-------------|---|--------------|-------------------|--------------|------|-------|
|     |                                   | Panjang (P)        |      | Lebar (L)   |   | Tinggi (T)   | Banyak Luasan (Q) |              |      | Total |
| 1   | 2                                 | 3                  |      | 4           |   | 5            | 6                 | 7            | 8    | 9     |
|     | 4. Lapangan Y 2                   |                    |      |             |   |              |                   |              |      |       |
|     | Panjang (a)                       | 1,38               | m    |             |   |              |                   |              |      |       |
|     | Panjang Total                     | 1,38               | m    |             |   |              |                   |              |      |       |
|     | Jarak Tulangan                    | 0,20               | m    |             |   |              |                   |              |      |       |
|     | Ukuran Besi                       | 0,010              | m    |             |   |              |                   |              |      |       |
|     | Berat Tul                         | 0,617              | Kg/m |             |   |              |                   |              |      |       |
|     | jumlah besi                       | 9,00               | Bh   |             |   |              |                   |              |      |       |
|     | Panjang Besi 1 Luasan             | 12,42              | m    |             |   |              |                   |              |      |       |
|     | Total Luasan                      | 1,00               | Bh   |             |   |              |                   |              |      |       |
|     | Total Panjang Besi 1 Luasan       | 12,42              | m    |             |   |              |                   |              |      |       |
|     | Berat Total Besi Lapangan Y 2     | 7,66               | Kg   |             |   |              |                   |              |      |       |
|     | Total Penulangan Luasan 21 Arah Y | Tumpuan Y 1        | +    | Tumpuan Y 2 | + | Lapangan Y 1 | +                 | Lapangan Y 2 | =    |       |
|     |                                   | 7,66               | +    | 7,66        | + | 8,92         | +                 | 7,66         | =    | 31,91 |
|     | Total Penulangan Luasan 21        | Arah X             | +    | Arah Y      |   |              |                   |              | =    | 67,51 |
|     |                                   | 35,60              | +    | 31,91       |   |              |                   |              |      |       |
|     | Luasan 22 (Arah X)                |                    |      |             |   |              |                   |              |      |       |
|     | Lx                                | 2,04               | m    |             |   |              |                   |              |      |       |
|     | Ly                                | 3,47               | m    |             |   |              |                   |              |      |       |
|     | 1. Tumpuan X 1                    |                    |      |             |   |              |                   |              |      |       |
|     | Panjang (a)                       | 2,04               | m    |             |   |              |                   |              |      |       |
|     | Panjang Total                     | 2,04               | m    |             |   |              |                   |              |      |       |
|     | Jarak Tulangan                    | 0,20               | m    |             |   |              |                   |              |      |       |
|     | Ukuran Besi                       | 0,010              | m    |             |   |              |                   |              |      |       |
|     | Berat Tul                         | 0,617              | Kg/m |             |   |              |                   |              |      |       |
|     | jumlah besi                       | 9,00               | Bh   |             |   |              |                   |              |      |       |
|     | Panjang Besi 1 Luasan             | 18,36              | m    |             |   |              |                   |              |      |       |
|     | Total Luasan                      | 1,00               | Bh   |             |   |              |                   |              |      |       |
|     | Total Panjang Besi 1 Luasan       | 18,36              | m    |             |   |              |                   |              |      |       |
|     | Berat Total Besi Tumpuan X 1      | 11,33              | Kg   |             |   |              |                   |              |      |       |
|     | 2. Tumpuan X 2                    |                    |      |             |   |              |                   |              |      |       |
|     | Panjang (a)                       | 2,04               | m    |             |   |              |                   |              |      |       |
|     | Panjang Total                     | 2,04               | m    |             |   |              |                   |              |      |       |
|     | Jarak Tulangan                    | 0,20               | m    |             |   |              |                   |              |      |       |
|     | Ukuran Besi                       | 0,010              | m    |             |   |              |                   |              |      |       |
|     | Berat Tul                         | 0,617              | Kg/m |             |   |              |                   |              |      |       |
|     | jumlah besi                       | 9,00               | Bh   |             |   |              |                   |              |      |       |
|     | Panjang Besi 1 Luasan             | 18,36              | m    |             |   |              |                   |              |      |       |
|     | Total Luasan                      | 1,00               | Bh   |             |   |              |                   |              |      |       |
|     | Total Panjang Besi 1 Luasan       | 18,36              | m    |             |   |              |                   |              |      |       |
|     | Berat Total Besi Tumpuan X 2      | 11,33              | Kg   |             |   |              |                   |              |      |       |
|     | 3. Lapangan X 1                   |                    |      |             |   |              |                   |              |      |       |
|     | Panjang (a)                       | 1,02               | m    |             |   |              |                   |              |      |       |
|     | Panjang (b)                       | 0,51               | m    |             |   |              |                   |              |      |       |
|     |                                   | 0,51               | m    |             |   |              |                   |              |      |       |
|     | Panjang (c)                       | 0,11               | m    |             |   |              |                   |              |      |       |
|     |                                   | 0,11               | m    |             |   |              |                   |              |      |       |
|     | Panjang Total                     | 2,27               | m    |             |   |              |                   |              |      |       |
|     | Jarak Tulangan                    | 0,20               | m    |             |   |              |                   |              |      |       |
|     | Ukuran Besi                       | 0,010              | m    |             |   |              |                   |              |      |       |
|     | Berat Tul                         | 0,617              | Kg/m |             |   |              |                   |              |      |       |
|     | jumlah besi                       | 9,00               | Bh   |             |   |              |                   |              |      |       |
|     | Panjang Besi 1 Luasan             | 20,40              | m    |             |   |              |                   |              |      |       |
|     | Total Luasan                      | 1,00               | Bh   |             |   |              |                   |              |      |       |
|     | Total Panjang Besi 1 Luasan       | 20,40              | m    |             |   |              |                   |              |      |       |
|     | Berat Total Besi lapangan X 1     | 12,58              | Kg   |             |   |              |                   |              |      |       |
|     | 4. Lapangan X 2                   |                    |      |             |   |              |                   |              |      |       |
|     | Panjang (a)                       | 2,04               | m    |             |   |              |                   |              |      |       |
|     | Panjang Total                     | 2,04               | m    |             |   |              |                   |              |      |       |
|     | Jarak Tulangan                    | 0,20               | m    |             |   |              |                   |              |      |       |
|     | Ukuran Besi                       | 0,010              | m    |             |   |              |                   |              |      |       |
|     | Berat Tul                         | 0,617              | Kg/m |             |   |              |                   |              |      |       |
|     | jumlah besi                       | 9,00               | Bh   |             |   |              |                   |              |      |       |
|     | Panjang Besi 1 Luasan             | 18,36              | m    |             |   |              |                   |              |      |       |
|     | Total Luasan                      | 1,00               | Bh   |             |   |              |                   |              |      |       |
|     | Total Panjang Besi 1 Luasan       | 18,36              | m    |             |   |              |                   |              |      |       |
|     | Berat Total Besi Lapangan X 2     | 11,33              | Kg   |             |   |              |                   |              |      |       |
|     | Total Penulangan Luasan 22 Arah X | Tumpuan X 1        | +    | Tumpuan X 2 | + | Lapangan X 1 | +                 | Lapangan X 1 | =    |       |
|     |                                   | 11,33              | +    | 11,33       | + | 12,58        | +                 | 11,33        | =    | 46,57 |

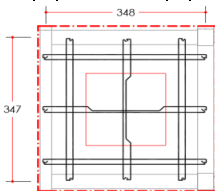
LUASAN 22 - 01 BH



| NO. | URAIAN PEKERJAAN                  | URAIAN PERHITUNGAN |           |             |                   |              | VOLUME | SAT.         |
|-----|-----------------------------------|--------------------|-----------|-------------|-------------------|--------------|--------|--------------|
|     |                                   | Panjang (P)        | Lebar (L) | Tinggi (T)  | Banyak Luasan (Q) | Total        |        |              |
| 1   | 2                                 | 3                  | 4         | 5           | 6                 | 7            | 8      | 9            |
|     | Luasan 22 (Arah Y)                |                    |           |             |                   |              |        |              |
|     | Lx                                | 2,04               | m         |             |                   |              |        |              |
|     | Ly                                | 3,47               | m         |             |                   |              |        |              |
|     | 1. Tumpuan Y 1                    |                    |           |             |                   |              |        |              |
|     | Panjang (a)                       | 3,47               | m         |             |                   |              |        |              |
|     | Panjang Total                     | 3,47               | m         |             |                   |              |        |              |
|     | Jarak Tulangan                    | 0,20               | m         |             |                   |              |        |              |
|     | Ukuran Besi                       | 0,010              | m         |             |                   |              |        |              |
|     | Berat Tul                         | 0,617              | Kg/m      |             |                   |              |        |              |
|     | jumlah besi                       | 6,00               | Bh        |             |                   |              |        |              |
|     | Panjang Besi 1 Luasan             | 20,82              | m         |             |                   |              |        |              |
|     | Total Luasan                      | 1,00               | Bh        |             |                   |              |        |              |
|     | Total Panjang Besi 1 Luasan       | 20,82              | m         |             |                   |              |        |              |
|     | Berat Total Besi Tumpuan Y 1      | 12,85              | Kg        |             |                   |              |        |              |
|     | 2. Tumpuan Y 2                    |                    |           |             |                   |              |        |              |
|     | Panjang (a)                       | 3,47               | m         |             |                   |              |        |              |
|     | Panjang Total                     | 3,47               | m         |             |                   |              |        |              |
|     | Jarak Tulangan                    | 0,20               | m         |             |                   |              |        |              |
|     | Ukuran Besi                       | 0,010              | m         |             |                   |              |        |              |
|     | Berat Tul                         | 0,617              | Kg/m      |             |                   |              |        |              |
|     | jumlah besi                       | 6,00               | Bh        |             |                   |              |        |              |
|     | Panjang Besi 1 Luasan             | 20,82              | m         |             |                   |              |        |              |
|     | Total Luasan                      | 1,00               | Bh        |             |                   |              |        |              |
|     | Total Panjang Besi 1 Luasan       | 20,82              | m         |             |                   |              |        |              |
|     | Berat Total Besi Tumpuan Y 2      | 12,85              | Kg        |             |                   |              |        |              |
|     | 3. Lapangan Y 1                   |                    |           |             |                   |              |        |              |
|     | Panjang (a)                       | 1,74               | m         |             |                   |              |        |              |
|     | Panjang (b)                       | 0,87               | m         |             |                   |              |        |              |
|     |                                   | 0,87               | m         |             |                   |              |        |              |
|     | Panjang (c)                       | 0,11               | m         |             |                   |              |        |              |
|     |                                   | 0,11               | m         |             |                   |              |        |              |
|     | Panjang Total                     | 3,70               | m         |             |                   |              |        |              |
|     | Jarak Tulangan                    | 0,20               | m         |             |                   |              |        |              |
|     | Ukuran Besi                       | 0,010              | m         |             |                   |              |        |              |
|     | Berat Tul                         | 0,617              | Kg/m      |             |                   |              |        |              |
|     | jumlah besi                       | 6,00               | Bh        |             |                   |              |        |              |
|     | Panjang Besi 1 Luasan             | 22,18              | m         |             |                   |              |        |              |
|     | Total Luasan                      | 1,00               | Bh        |             |                   |              |        |              |
|     | Total Panjang Besi 1 Luasan       | 22,18              | m         |             |                   |              |        |              |
|     | Berat Total Besi lapangan Y 1     | 13,68              | Kg        |             |                   |              |        |              |
|     | 4. Lapangan Y 2                   |                    |           |             |                   |              |        |              |
|     | Panjang (a)                       | 3,47               | m         |             |                   |              |        |              |
|     | Panjang Total                     | 3,47               | m         |             |                   |              |        |              |
|     | Jarak Tulangan                    | 0,20               | m         |             |                   |              |        |              |
|     | Ukuran Besi                       | 0,010              | m         |             |                   |              |        |              |
|     | Berat Tul                         | 0,617              | Kg/m      |             |                   |              |        |              |
|     | jumlah besi                       | 6,00               | Bh        |             |                   |              |        |              |
|     | Panjang Besi 1 Luasan             | 20,82              | m         |             |                   |              |        |              |
|     | Total Luasan                      | 1,00               | Bh        |             |                   |              |        |              |
|     | Total Panjang Besi 1 Luasan       | 20,82              | m         |             |                   |              |        |              |
|     | Berat Total Besi Lapangan Y 2     | 12,85              | Kg        |             |                   |              |        |              |
|     | Total Penulangan Luasan 22 Arah Y | Tumpuan Y 1        | +         | Tumpuan Y 2 | +                 | Lapangan Y 1 | +      | Lapangan Y 2 |
|     |                                   | 12,85              | +         | 12,85       | +                 | 13,68        | +      | 12,85        |
|     |                                   |                    |           |             |                   |              | =      | 52,22        |
|     | Total Penulangan Luasan 22        | Arah X             | +         | Arah Y      |                   |              |        |              |
|     |                                   | 46,57              | +         | 52,22       |                   |              | =      | 98,79        |
|     | Luasan 23 (Arah X)                |                    |           |             |                   |              |        |              |
|     | Lx                                | 3,48               | m         |             |                   |              |        |              |
|     | Ly                                | 3,47               | m         |             |                   |              |        |              |
|     | 1. Tumpuan X 1                    |                    |           |             |                   |              |        |              |
|     | Panjang (a)                       | 3,48               | m         |             |                   |              |        |              |
|     | Panjang Total                     | 3,48               | m         |             |                   |              |        |              |
|     | Jarak Tulangan                    | 0,20               | m         |             |                   |              |        |              |
|     | Ukuran Besi                       | 0,010              | m         |             |                   |              |        |              |
|     | Berat Tul                         | 0,617              | Kg/m      |             |                   |              |        |              |
|     | jumlah besi                       | 9,00               | Bh        |             |                   |              |        |              |
|     | Panjang Besi 1 Luasan             | 31,32              | m         |             |                   |              |        |              |
|     | Total Luasan                      | 1,00               | Bh        |             |                   |              |        |              |
|     | Total Panjang Besi 1 Luasan       | 31,32              | m         |             |                   |              |        |              |
|     | Berat Total Besi Tumpuan X 1      | 19,32              | Kg        |             |                   |              |        |              |

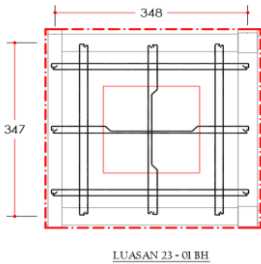


LUASAN 22 - 01 BH

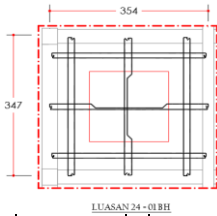


LUASAN 23 - 01 BH

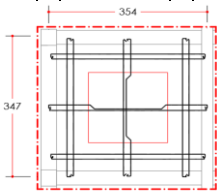
| NO. | URAIAN PEKERJAAN                  | URAIAN PERHITUNGAN |      |             |   |              |                   | VOLUME       | SAT.    |
|-----|-----------------------------------|--------------------|------|-------------|---|--------------|-------------------|--------------|---------|
|     |                                   | Panjang (P)        |      | Lebar (L)   |   | Tinggi (T)   | Banyak Luasan (Q) | Total        |         |
| 1   | 2                                 | 3                  |      | 4           |   | 5            | 6                 | 7            | 8       |
|     | 2. Tumpuan X 2                    |                    |      |             |   |              |                   |              |         |
|     | Panjang (a)                       | 3,48               | m    |             |   |              |                   |              |         |
|     | Panjang Total                     | 3,48               | m    |             |   |              |                   |              |         |
|     | Jarak Tulangan                    | 0,20               | m    |             |   |              |                   |              |         |
|     | Ukuran Besi                       | 0,010              | m    |             |   |              |                   |              |         |
|     | Berat Tul                         | 0,617              | Kg/m |             |   |              |                   |              |         |
|     | jumlah besi                       | 9,00               | Bh   |             |   |              |                   |              |         |
|     | Panjang Besi 1 Luasan             | 31,32              | m    |             |   |              |                   |              |         |
|     | Total Luasan                      | 1,00               | Bh   |             |   |              |                   |              |         |
|     | Total Panjang Besi 1 Luasan       | 31,32              | m    |             |   |              |                   |              |         |
|     | Berat Total Besi Tumpuan X 2      | 19,32              | Kg   |             |   |              |                   |              |         |
|     | 3. Lapangan X 1                   |                    |      |             |   |              |                   |              |         |
|     | Panjang (a)                       | 1,74               | m    |             |   |              |                   |              |         |
|     | Panjang (b)                       | 0,87               | m    |             |   |              |                   |              |         |
|     |                                   | 0,87               | m    |             |   |              |                   |              |         |
|     | Panjang (c)                       | 0,11               | m    |             |   |              |                   |              |         |
|     |                                   | 0,11               | m    |             |   |              |                   |              |         |
|     | Panjang Total                     | 3,71               | m    |             |   |              |                   |              |         |
|     | Jarak Tulangan                    | 0,20               | m    |             |   |              |                   |              |         |
|     | Ukuran Besi                       | 0,010              | m    |             |   |              |                   |              |         |
|     | Berat Tul                         | 0,617              | Kg/m |             |   |              |                   |              |         |
|     | jumlah besi                       | 9,00               | Bh   |             |   |              |                   |              |         |
|     | Panjang Besi 1 Luasan             | 33,36              | m    |             |   |              |                   |              |         |
|     | Total Luasan                      | 1,00               | Bh   |             |   |              |                   |              |         |
|     | Total Panjang Besi 1 Luasan       | 33,36              | m    |             |   |              |                   |              |         |
|     | Berat Total Besi lapangan X 1     | 20,58              | Kg   |             |   |              |                   |              |         |
|     | 4. Lapangan X 2                   |                    |      |             |   |              |                   |              |         |
|     | Panjang (a)                       | 3,48               | m    |             |   |              |                   |              |         |
|     | Panjang Total                     | 3,48               | m    |             |   |              |                   |              |         |
|     | Jarak Tulangan                    | 0,20               | m    |             |   |              |                   |              |         |
|     | Ukuran Besi                       | 0,010              | m    |             |   |              |                   |              |         |
|     | Berat Tul                         | 0,617              | Kg/m |             |   |              |                   |              |         |
|     | jumlah besi                       | 9,00               | Bh   |             |   |              |                   |              |         |
|     | Panjang Besi 1 Luasan             | 31,32              | m    |             |   |              |                   |              |         |
|     | Total Luasan                      | 1,00               | Bh   |             |   |              |                   |              |         |
|     | Total Panjang Besi 1 Luasan       | 31,32              | m    |             |   |              |                   |              |         |
|     | Berat Total Besi Lapangan X 2     | 19,32              | Kg   |             |   |              |                   |              |         |
|     | Total Penulangan Luasan 23 Arah X | Tumpuan X 1        | +    | Tumpuan X 2 | + | Lapangan X 1 | +                 | Lapangan X 1 |         |
|     |                                   | 19,32              | +    | 19,32       | + | 20,58        | +                 | 19,32        | = 78,55 |
|     | Luasan 23 (Arah Y)                |                    |      |             |   |              |                   |              |         |
|     | Lx                                | 3,48               | m    |             |   |              |                   |              |         |
|     | Ly                                | 3,47               | m    |             |   |              |                   |              |         |
|     | 1. Tumpuan Y 1                    |                    |      |             |   |              |                   |              |         |
|     | Panjang (a)                       | 3,47               | m    |             |   |              |                   |              |         |
|     | Panjang Total                     | 3,47               | m    |             |   |              |                   |              |         |
|     | Jarak Tulangan                    | 0,20               | m    |             |   |              |                   |              |         |
|     | Ukuran Besi                       | 0,010              | m    |             |   |              |                   |              |         |
|     | Berat Tul                         | 0,617              | Kg/m |             |   |              |                   |              |         |
|     | jumlah besi                       | 9,00               | Bh   |             |   |              |                   |              |         |
|     | Panjang Besi 1 Luasan             | 31,23              | m    |             |   |              |                   |              |         |
|     | Total Luasan                      | 1,00               | Bh   |             |   |              |                   |              |         |
|     | Total Panjang Besi 1 Luasan       | 31,23              | m    |             |   |              |                   |              |         |
|     | Berat Total Besi Tumpuan Y 1      | 19,27              | Kg   |             |   |              |                   |              |         |
|     | 2. Tumpuan Y 2                    |                    |      |             |   |              |                   |              |         |
|     | Panjang (a)                       | 3,47               | m    |             |   |              |                   |              |         |
|     | Panjang Total                     | 3,47               | m    |             |   |              |                   |              |         |
|     | Jarak Tulangan                    | 0,20               | m    |             |   |              |                   |              |         |
|     | Ukuran Besi                       | 0,010              | m    |             |   |              |                   |              |         |
|     | Berat Tul                         | 0,617              | Kg/m |             |   |              |                   |              |         |
|     | jumlah besi                       | 9,00               | Bh   |             |   |              |                   |              |         |
|     | Panjang Besi 1 Luasan             | 31,23              | m    |             |   |              |                   |              |         |
|     | Total Luasan                      | 1,00               | Bh   |             |   |              |                   |              |         |
|     | Total Panjang Besi 1 Luasan       | 31,23              | m    |             |   |              |                   |              |         |
|     | Berat Total Besi Tumpuan Y 2      | 19,27              | Kg   |             |   |              |                   |              |         |



| NO. | URAIAN PEKERJAAN                  | URAIAN PERHITUNGAN |      |             |            |                   |   | VOLUME       | SAT.     |
|-----|-----------------------------------|--------------------|------|-------------|------------|-------------------|---|--------------|----------|
|     |                                   | Panjang (P)        |      | Lebar (L)   | Tinggi (T) | Banyak Luasan (Q) |   | Total        |          |
| 1   | 2                                 | 3                  |      | 4           | 5          | 6                 |   | 7            | 8        |
|     | 3. Lapangan Y 1                   |                    |      |             |            |                   |   |              |          |
|     | Panjang (a)                       | 1,74               | m    |             |            |                   |   |              |          |
|     | Panjang (b)                       | 0,87               | m    |             |            |                   |   |              |          |
|     |                                   | 0,87               | m    |             |            |                   |   |              |          |
|     | Panjang (c)                       | 0,11               | m    |             |            |                   |   |              |          |
|     |                                   | 0,11               | m    |             |            |                   |   |              |          |
|     | Panjang Total                     | 3,70               | m    |             |            |                   |   |              |          |
|     | Jarak Tulangan                    | 0,20               | m    |             |            |                   |   |              |          |
|     | Ukuran Besi                       | 0,010              | m    |             |            |                   |   |              |          |
|     | Berat Tul                         | 0,617              | Kg/m |             |            |                   |   |              |          |
|     | jumlah besi                       | 9,00               | Bh   |             |            |                   |   |              |          |
|     | Panjang Besi 1 Luasan             | 33,27              | m    |             |            |                   |   |              |          |
|     | Total Luasan                      | 1,00               | Bh   |             |            |                   |   |              |          |
|     | Total Panjang Besi 1 Luasan       | 33,27              | m    |             |            |                   |   |              |          |
|     | Berat Total Besi lapangan Y 1     | 20,53              | Kg   |             |            |                   |   |              |          |
|     | 4. Lapangan Y 2                   |                    |      |             |            |                   |   |              |          |
|     | Panjang (a)                       | 3,47               | m    |             |            |                   |   |              |          |
|     | Panjang Total                     | 3,47               | m    |             |            |                   |   |              |          |
|     | Jarak Tulangan                    | 0,20               | m    |             |            |                   |   |              |          |
|     | Ukuran Besi                       | 0,010              | m    |             |            |                   |   |              |          |
|     | Berat Tul                         | 0,617              | Kg/m |             |            |                   |   |              |          |
|     | jumlah besi                       | 9,00               | Bh   |             |            |                   |   |              |          |
|     | Panjang Besi 1 Luasan             | 31,23              | m    |             |            |                   |   |              |          |
|     | Total Luasan                      | 1,00               | Bh   |             |            |                   |   |              |          |
|     | Total Panjang Besi 1 Luasan       | 31,23              | m    |             |            |                   |   |              |          |
|     | Berat Total Besi Lapangan Y 2     | 19,27              | Kg   |             |            |                   |   |              |          |
|     | Total Penulangan Luasan 23 Arah Y | Tumpuan Y 1        | +    | Tumpuan Y 2 | +          | Lapangan Y 1      | + | Lapangan Y 2 | =        |
|     |                                   | 19,27              | +    | 19,27       | +          | 20,53             | + | 19,27        | = 78,33  |
|     | Total Penulangan Luasan 23        | Arah X             | +    | Arah Y      |            |                   |   |              | =        |
|     |                                   | 78,55              | +    | 78,33       |            |                   |   |              | = 156,89 |
|     | Luasan 24 (Arah X)                |                    |      |             |            |                   |   |              |          |
|     | Lx                                | 3,54               | m    |             |            |                   |   |              |          |
|     | Ly                                | 3,47               | m    |             |            |                   |   |              |          |
|     | 1. Tumpuan X 1                    |                    |      |             |            |                   |   |              |          |
|     | Panjang (a)                       | 3,54               | m    |             |            |                   |   |              |          |
|     | Panjang Total                     | 3,54               | m    |             |            |                   |   |              |          |
|     | Jarak Tulangan                    | 0,20               | m    |             |            |                   |   |              |          |
|     | Ukuran Besi                       | 0,010              | m    |             |            |                   |   |              |          |
|     | Berat Tul                         | 0,617              | Kg/m |             |            |                   |   |              |          |
|     | jumlah besi                       | 9,00               | Bh   |             |            |                   |   |              |          |
|     | Panjang Besi 1 Luasan             | 31,86              | m    |             |            |                   |   |              |          |
|     | Total Luasan                      | 1,00               | Bh   |             |            |                   |   |              |          |
|     | Total Panjang Besi 1 Luasan       | 31,86              | m    |             |            |                   |   |              |          |
|     | Berat Total Besi Tumpuan X 1      | 19,66              | Kg   |             |            |                   |   |              |          |
|     | 2. Tumpuan X 2                    |                    |      |             |            |                   |   |              |          |
|     | Panjang (a)                       | 3,54               | m    |             |            |                   |   |              |          |
|     | Panjang Total                     | 3,54               | m    |             |            |                   |   |              |          |
|     | Jarak Tulangan                    | 0,20               | m    |             |            |                   |   |              |          |
|     | Ukuran Besi                       | 0,010              | m    |             |            |                   |   |              |          |
|     | Berat Tul                         | 0,617              | Kg/m |             |            |                   |   |              |          |
|     | jumlah besi                       | 9,00               | Bh   |             |            |                   |   |              |          |
|     | Panjang Besi 1 Luasan             | 31,86              | m    |             |            |                   |   |              |          |
|     | Total Luasan                      | 1,00               | Bh   |             |            |                   |   |              |          |
|     | Total Panjang Besi 1 Luasan       | 31,86              | m    |             |            |                   |   |              |          |
|     | Berat Total Besi Tumpuan X 2      | 19,66              | Kg   |             |            |                   |   |              |          |
|     | 3. Lapangan X 1                   |                    |      |             |            |                   |   |              |          |
|     | Panjang (a)                       | 1,77               | m    |             |            |                   |   |              |          |
|     | Panjang (b)                       | 0,89               | m    |             |            |                   |   |              |          |
|     |                                   | 0,89               | m    |             |            |                   |   |              |          |
|     | Panjang (c)                       | 0,11               | m    |             |            |                   |   |              |          |
|     |                                   | 0,11               | m    |             |            |                   |   |              |          |
|     | Panjang Total                     | 3,77               | m    |             |            |                   |   |              |          |
|     | Jarak Tulangan                    | 0,20               | m    |             |            |                   |   |              |          |
|     | Ukuran Besi                       | 0,010              | m    |             |            |                   |   |              |          |
|     | Berat Tul                         | 0,617              | Kg/m |             |            |                   |   |              |          |
|     | jumlah besi                       | 9,00               | Bh   |             |            |                   |   |              |          |
|     | Panjang Besi 1 Luasan             | 33,90              | m    |             |            |                   |   |              |          |
|     | Total Luasan                      | 1,00               | Bh   |             |            |                   |   |              |          |
|     | Total Panjang Besi 1 Luasan       | 33,90              | m    |             |            |                   |   |              |          |
|     | Berat Total Besi lapangan X 1     | 20,91              | Kg   |             |            |                   |   |              |          |

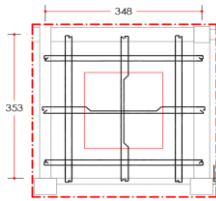


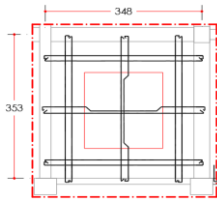
| NO. | URAIAN PEKERJAAN                  | URAIAN PERHITUNGAN |      |             |   |              |                   | VOLUME       | SAT.    |
|-----|-----------------------------------|--------------------|------|-------------|---|--------------|-------------------|--------------|---------|
|     |                                   | Panjang (P)        |      | Lebar (L)   |   | Tinggi (T)   | Banyak Luasan (Q) | Total        |         |
| 1   | 2                                 | 3                  |      | 4           |   | 5            | 6                 | 7            | 8       |
|     | 4. Lapangan X 2                   |                    |      |             |   |              |                   |              |         |
|     | Panjang (a)                       | 3,54               | m    |             |   |              |                   |              |         |
|     | Panjang Total                     | 3,54               | m    |             |   |              |                   |              |         |
|     | Jarak Tulangan                    | 0,20               | m    |             |   |              |                   |              |         |
|     | Ukuran Besi                       | 0,010              | m    |             |   |              |                   |              |         |
|     | Berat Tul                         | 0,617              | Kg/m |             |   |              |                   |              |         |
|     | jumlah besi                       | 9,00               | Bh   |             |   |              |                   |              |         |
|     | Panjang Besi 1 Luasan             | 31,86              | m    |             |   |              |                   |              |         |
|     | Total Luasan                      | 1,00               | Bh   |             |   |              |                   |              |         |
|     | Total Panjang Besi 1 Luasan       | 31,86              | m    |             |   |              |                   |              |         |
|     | Berat Total Besi Lapangan X 2     | 19,66              | Kg   |             |   |              |                   |              |         |
|     | Total Penulangan Luasan 24 Arah X | Tumpuan X 1        | +    | Tumpuan X 2 | + | Lapangan X 1 | +                 | Lapangan X 1 |         |
|     |                                   | 19,66              | +    | 19,66       | + | 20,91        | +                 | 19,66        | = 79,89 |
|     | Luasan 24 (Arah Y)                |                    |      |             |   |              |                   |              |         |
|     | Lx                                | 3,54               | m    |             |   |              |                   |              |         |
|     | Ly                                | 3,47               | m    |             |   |              |                   |              |         |
|     | 1. Tumpuan Y 1                    |                    |      |             |   |              |                   |              |         |
|     | Panjang (a)                       | 3,47               | m    |             |   |              |                   |              |         |
|     | Panjang Total                     | 3,47               | m    |             |   |              |                   |              |         |
|     | Jarak Tulangan                    | 0,20               | m    |             |   |              |                   |              |         |
|     | Ukuran Besi                       | 0,010              | m    |             |   |              |                   |              |         |
|     | Berat Tul                         | 0,617              | Kg/m |             |   |              |                   |              |         |
|     | jumlah besi                       | 9,00               | Bh   |             |   |              |                   |              |         |
|     | Panjang Besi 1 Luasan             | 31,23              | m    |             |   |              |                   |              |         |
|     | Total Luasan                      | 1,00               | Bh   |             |   |              |                   |              |         |
|     | Total Panjang Besi 1 Luasan       | 31,23              | m    |             |   |              |                   |              |         |
|     | Berat Total Besi Tumpuan Y 1      | 19,27              | Kg   |             |   |              |                   |              |         |
|     | 2. Tumpuan Y 2                    |                    |      |             |   |              |                   |              |         |
|     | Panjang (a)                       | 3,47               | m    |             |   |              |                   |              |         |
|     | Panjang Total                     | 3,47               | m    |             |   |              |                   |              |         |
|     | Jarak Tulangan                    | 0,20               | m    |             |   |              |                   |              |         |
|     | Ukuran Besi                       | 0,010              | m    |             |   |              |                   |              |         |
|     | Berat Tul                         | 0,617              | Kg/m |             |   |              |                   |              |         |
|     | jumlah besi                       | 9,00               | Bh   |             |   |              |                   |              |         |
|     | Panjang Besi 1 Luasan             | 31,23              | m    |             |   |              |                   |              |         |
|     | Total Luasan                      | 1,00               | Bh   |             |   |              |                   |              |         |
|     | Total Panjang Besi 1 Luasan       | 31,23              | m    |             |   |              |                   |              |         |
|     | Berat Total Besi Tumpuan Y 2      | 19,27              | Kg   |             |   |              |                   |              |         |
|     | 3. Lapangan Y 1                   |                    |      |             |   |              |                   |              |         |
|     | Panjang (a)                       | 1,74               | m    |             |   |              |                   |              |         |
|     | Panjang (b)                       | 0,87               | m    |             |   |              |                   |              |         |
|     | Panjang (c)                       | 0,87               | m    |             |   |              |                   |              |         |
|     | Panjang (c)                       | 0,11               | m    |             |   |              |                   |              |         |
|     | Panjang Total                     | 3,70               | m    |             |   |              |                   |              |         |
|     | Jarak Tulangan                    | 0,20               | m    |             |   |              |                   |              |         |
|     | Ukuran Besi                       | 0,010              | m    |             |   |              |                   |              |         |
|     | Berat Tul                         | 0,617              | Kg/m |             |   |              |                   |              |         |
|     | jumlah besi                       | 9,00               | Bh   |             |   |              |                   |              |         |
|     | Panjang Besi 1 Luasan             | 33,27              | m    |             |   |              |                   |              |         |
|     | Total Luasan                      | 1,00               | Bh   |             |   |              |                   |              |         |
|     | Total Panjang Besi 1 Luasan       | 33,27              | m    |             |   |              |                   |              |         |
|     | Berat Total Besi lapangan Y 1     | 20,53              | Kg   |             |   |              |                   |              |         |
|     | 4. Lapangan Y 2                   |                    |      |             |   |              |                   |              |         |
|     | Panjang (a)                       | 3,47               | m    |             |   |              |                   |              |         |
|     | Panjang Total                     | 3,47               | m    |             |   |              |                   |              |         |
|     | Jarak Tulangan                    | 0,20               | m    |             |   |              |                   |              |         |
|     | Ukuran Besi                       | 0,010              | m    |             |   |              |                   |              |         |
|     | Berat Tul                         | 0,617              | Kg/m |             |   |              |                   |              |         |
|     | jumlah besi                       | 9,00               | Bh   |             |   |              |                   |              |         |
|     | Panjang Besi 1 Luasan             | 31,23              | m    |             |   |              |                   |              |         |
|     | Total Luasan                      | 1,00               | Bh   |             |   |              |                   |              |         |
|     | Total Panjang Besi 1 Luasan       | 31,23              | m    |             |   |              |                   |              |         |
|     | Berat Total Besi Lapangan Y 2     | 19,27              | Kg   |             |   |              |                   |              |         |
|     | Total Penulangan Luasan 24 Arah Y | Tumpuan Y 1        | +    | Tumpuan Y 2 | + | Lapangan Y 1 | +                 | Lapangan Y 2 |         |
|     |                                   | 19,27              | +    | 19,27       | + | 20,53        | +                 | 19,27        | = 78,33 |
|     | Total Penulangan Luasan 24        | Arah X             | +    | Arah Y      |   |              |                   |              |         |
|     |                                   | 79,89              | +    | 78,33       |   |              |                   | = 158,22     |         |



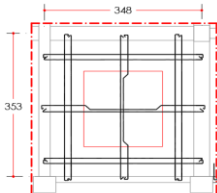
| NO. | URAIAN PEKERJAAN                  | URAIAN PERHITUNGAN |           |             |                   |              | VOLUME | SAT.         |
|-----|-----------------------------------|--------------------|-----------|-------------|-------------------|--------------|--------|--------------|
|     |                                   | Panjang (P)        | Lebar (L) | Tinggi (T)  | Banyak Luasan (Q) | Total        |        |              |
| 1   | 2                                 | 3                  | 4         | 5           | 6                 | 7            | 8      | 9            |
|     | Luasan 25 (Arah X)                |                    |           |             |                   |              |        |              |
|     | Lx                                | 2,04               | m         |             |                   |              |        |              |
|     | Ly                                | 3,53               | m         |             |                   |              |        |              |
|     | 1. Tumpuan X 1                    |                    |           |             |                   |              |        |              |
|     | Panjang (a)                       | 2,04               | m         |             |                   |              |        |              |
|     | Panjang Total                     | 2,04               | m         |             |                   |              |        |              |
|     | Jarak Tulangan                    | 0,20               | m         |             |                   |              |        |              |
|     | Ukuran Besi                       | 0,010              | m         |             |                   |              |        |              |
|     | Berat Tul                         | 0,617              | Kg/m      |             |                   |              |        |              |
|     | jumlah besi                       | 9,00               | Bh        |             |                   |              |        |              |
|     | Panjang Besi 1 Luasan             | 18,36              | m         |             |                   |              |        |              |
|     | Total Luasan                      | 1,00               | Bh        |             |                   |              |        |              |
|     | Total Panjang Besi 1 Luasan       | 18,36              | m         |             |                   |              |        |              |
|     | Berat Total Besi Tumpuan X 1      | 11,33              | Kg        |             |                   |              |        |              |
|     | 2. Tumpuan X 2                    |                    |           |             |                   |              |        |              |
|     | Panjang (a)                       | 2,04               | m         |             |                   |              |        |              |
|     | Panjang Total                     | 2,04               | m         |             |                   |              |        |              |
|     | Jarak Tulangan                    | 0,20               | m         |             |                   |              |        |              |
|     | Ukuran Besi                       | 0,010              | m         |             |                   |              |        |              |
|     | Berat Tul                         | 0,617              | Kg/m      |             |                   |              |        |              |
|     | jumlah besi                       | 9,00               | Bh        |             |                   |              |        |              |
|     | Panjang Besi 1 Luasan             | 18,36              | m         |             |                   |              |        |              |
|     | Total Luasan                      | 1,00               | Bh        |             |                   |              |        |              |
|     | Total Panjang Besi 1 Luasan       | 18,36              | m         |             |                   |              |        |              |
|     | Berat Total Besi Tumpuan X 2      | 11,33              | Kg        |             |                   |              |        |              |
|     | 3. Lapangan X 1                   |                    |           |             |                   |              |        |              |
|     | Panjang (a)                       | 1,02               | m         |             |                   |              |        |              |
|     | Panjang (b)                       | 0,51               | m         |             |                   |              |        |              |
|     |                                   | 0,51               | m         |             |                   |              |        |              |
|     | Panjang (c)                       | 0,11               | m         |             |                   |              |        |              |
|     |                                   | 0,11               | m         |             |                   |              |        |              |
|     | Panjang Total                     | 2,27               | m         |             |                   |              |        |              |
|     | Jarak Tulangan                    | 0,20               | m         |             |                   |              |        |              |
|     | Ukuran Besi                       | 0,010              | m         |             |                   |              |        |              |
|     | Berat Tul                         | 0,617              | Kg/m      |             |                   |              |        |              |
|     | jumlah besi                       | 9,00               | Bh        |             |                   |              |        |              |
|     | Panjang Besi 1 Luasan             | 20,40              | m         |             |                   |              |        |              |
|     | Total Luasan                      | 1,00               | Bh        |             |                   |              |        |              |
|     | Total Panjang Besi 1 Luasan       | 20,40              | m         |             |                   |              |        |              |
|     | Berat Total Besi lapangan X 1     | 12,58              | Kg        |             |                   |              |        |              |
|     | 4. Lapangan X 2                   |                    |           |             |                   |              |        |              |
|     | Panjang (a)                       | 2,04               | m         |             |                   |              |        |              |
|     | Panjang Total                     | 2,04               | m         |             |                   |              |        |              |
|     | Jarak Tulangan                    | 0,20               | m         |             |                   |              |        |              |
|     | Ukuran Besi                       | 0,010              | m         |             |                   |              |        |              |
|     | Berat Tul                         | 0,617              | Kg/m      |             |                   |              |        |              |
|     | jumlah besi                       | 9,00               | Bh        |             |                   |              |        |              |
|     | Panjang Besi 1 Luasan             | 18,36              | m         |             |                   |              |        |              |
|     | Total Luasan                      | 1,00               | Bh        |             |                   |              |        |              |
|     | Total Panjang Besi 1 Luasan       | 18,36              | m         |             |                   |              |        |              |
|     | Berat Total Besi Lapangan X 2     | 11,33              | Kg        |             |                   |              |        |              |
|     | Total Penulangan Luasan 25 Arah X | Tumpuan X 1        | +         | Tumpuan X 2 | +                 | Lapangan X 1 | +      | Lapangan X 1 |
|     |                                   | 11,33              | +         | 11,33       | +                 | 12,58        | +      | 11,33        |
|     |                                   |                    |           |             |                   |              | =      | 46,57        |
|     | Luasan 25 (Arah Y)                |                    |           |             |                   |              |        |              |
|     | Lx                                | 2,04               | m         |             |                   |              |        |              |
|     | Ly                                | 3,53               | m         |             |                   |              |        |              |
|     | 1. Tumpuan Y 1                    |                    |           |             |                   |              |        |              |
|     | Panjang (a)                       | 3,53               | m         |             |                   |              |        |              |
|     | Panjang Total                     | 3,53               | m         |             |                   |              |        |              |
|     | Jarak Tulangan                    | 0,20               | m         |             |                   |              |        |              |
|     | Ukuran Besi                       | 0,010              | m         |             |                   |              |        |              |
|     | Berat Tul                         | 0,617              | Kg/m      |             |                   |              |        |              |
|     | jumlah besi                       | 6,00               | Bh        |             |                   |              |        |              |
|     | Panjang Besi 1 Luasan             | 21,18              | m         |             |                   |              |        |              |
|     | Total Luasan                      | 1,00               | Bh        |             |                   |              |        |              |
|     | Total Panjang Besi 1 Luasan       | 21,18              | m         |             |                   |              |        |              |
|     | Berat Total Besi Tumpuan Y 1      | 13,07              | Kg        |             |                   |              |        |              |

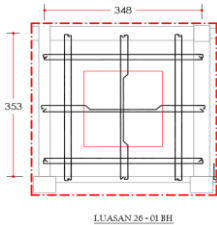
| NO. | URAIAN PEKERJAAN                  | URAIAN PERHITUNGAN |           |             |                   |              | VOLUME | SAT.         |         |
|-----|-----------------------------------|--------------------|-----------|-------------|-------------------|--------------|--------|--------------|---------|
|     |                                   | Panjang (P)        | Lebar (L) | Tinggi (T)  | Banyak Luasan (Q) | Total        |        |              |         |
| 1   | 2                                 | 3                  | 4         | 5           | 6                 | 7            | 8      | 9            |         |
|     | 2. Tumpuan Y 2                    |                    |           |             |                   |              |        |              |         |
|     | Panjang (a)                       | 3,53               | m         |             |                   |              |        |              |         |
|     | Panjang Total                     | 3,53               | m         |             |                   |              |        |              |         |
|     | Jarak Tulangan                    | 0,20               | m         |             |                   |              |        |              |         |
|     | Ukuran Besi                       | 0,010              | m         |             |                   |              |        |              |         |
|     | Berat Tul                         | 0,617              | Kg/m      |             |                   |              |        |              |         |
|     | jumlah besi                       | 6,00               | Bh        |             |                   |              |        |              |         |
|     | Panjang Besi 1 Luasan             | 21,18              | m         |             |                   |              |        |              |         |
|     | Total Luasan                      | 1,00               | Bh        |             |                   |              |        |              |         |
|     | Total Panjang Besi 1 Luasan       | 21,18              | m         |             |                   |              |        |              |         |
|     | Berat Total Besi Tumpuan Y 2      | 13,07              | Kg        |             |                   |              |        |              |         |
|     | 3. Lapangan Y 1                   |                    |           |             |                   |              |        |              |         |
|     | Panjang (a)                       | 1,77               | m         |             |                   |              |        |              |         |
|     | Panjang (b)                       | 0,88               | m         |             |                   |              |        |              |         |
|     |                                   | 0,88               | m         |             |                   |              |        |              |         |
|     | Panjang (c)                       | 0,11               | m         |             |                   |              |        |              |         |
|     |                                   | 0,11               | m         |             |                   |              |        |              |         |
|     | Panjang Total                     | 3,76               | m         |             |                   |              |        |              |         |
|     | Jarak Tulangan                    | 0,20               | m         |             |                   |              |        |              |         |
|     | Ukuran Besi                       | 0,010              | m         |             |                   |              |        |              |         |
|     | Berat Tul                         | 0,617              | Kg/m      |             |                   |              |        |              |         |
|     | jumlah besi                       | 6,00               | Bh        |             |                   |              |        |              |         |
|     | Panjang Besi 1 Luasan             | 22,54              | m         |             |                   |              |        |              |         |
|     | Total Luasan                      | 1,00               | Bh        |             |                   |              |        |              |         |
|     | Total Panjang Besi 1 Luasan       | 22,54              | m         |             |                   |              |        |              |         |
|     | Berat Total Besi lapangan Y 1     | 13,91              | Kg        |             |                   |              |        |              |         |
|     | 4. Lapangan Y 2                   |                    |           |             |                   |              |        |              |         |
|     | Panjang (a)                       | 3,53               | m         |             |                   |              |        |              |         |
|     | Panjang Total                     | 3,53               | m         |             |                   |              |        |              |         |
|     | Jarak Tulangan                    | 0,20               | m         |             |                   |              |        |              |         |
|     | Ukuran Besi                       | 0,010              | m         |             |                   |              |        |              |         |
|     | Berat Tul                         | 0,617              | Kg/m      |             |                   |              |        |              |         |
|     | jumlah besi                       | 6,00               | Bh        |             |                   |              |        |              |         |
|     | Panjang Besi 1 Luasan             | 21,18              | m         |             |                   |              |        |              |         |
|     | Total Luasan                      | 1,00               | Bh        |             |                   |              |        |              |         |
|     | Total Panjang Besi 1 Luasan       | 21,18              | m         |             |                   |              |        |              |         |
|     | Berat Total Besi Lapangan Y 2     | 13,07              | Kg        |             |                   |              |        |              |         |
|     | Total Penulangan Luasan 25 Arah Y | Tumpuan Y 1        | +         | Tumpuan Y 2 | +                 | Lapangan Y 1 | +      | Lapangan Y 2 | =       |
|     |                                   | 13,07              | +         | 13,07       | +                 | 13,91        | +      | 13,07        | = 53,11 |
|     | Total Penulangan Luasan 25        | Arah X             | +         | Arah Y      |                   |              |        |              | =       |
|     |                                   | 46,57              | +         | 53,11       |                   |              |        |              | = 99,68 |
|     | Luasan 26 (Arah X)                |                    |           |             |                   |              |        |              |         |
|     | Lx                                | 3,48               | m         |             |                   |              |        |              |         |
|     | Ly                                | 3,53               | m         |             |                   |              |        |              |         |
|     | 1. Tumpuan X 1                    |                    |           |             |                   |              |        |              |         |
|     | Panjang (a)                       | 3,48               | m         |             |                   |              |        |              |         |
|     | Panjang Total                     | 3,48               | m         |             |                   |              |        |              |         |
|     | Jarak Tulangan                    | 0,20               | m         |             |                   |              |        |              |         |
|     | Ukuran Besi                       | 0,010              | m         |             |                   |              |        |              |         |
|     | Berat Tul                         | 0,617              | Kg/m      |             |                   |              |        |              |         |
|     | jumlah besi                       | 9,00               | Bh        |             |                   |              |        |              |         |
|     | Panjang Besi 1 Luasan             | 31,32              | m         |             |                   |              |        |              |         |
|     | Total Luasan                      | 1,00               | Bh        |             |                   |              |        |              |         |
|     | Total Panjang Besi 1 Luasan       | 31,32              | m         |             |                   |              |        |              |         |
|     | Berat Total Besi Tumpuan X 1      | 19,32              | Kg        |             |                   |              |        |              |         |
|     | 2. Tumpuan X 2                    |                    |           |             |                   |              |        |              |         |
|     | Panjang (a)                       | 3,48               | m         |             |                   |              |        |              |         |
|     | Panjang Total                     | 3,48               | m         |             |                   |              |        |              |         |
|     | Jarak Tulangan                    | 0,20               | m         |             |                   |              |        |              |         |
|     | Ukuran Besi                       | 0,010              | m         |             |                   |              |        |              |         |
|     | Berat Tul                         | 0,617              | Kg/m      |             |                   |              |        |              |         |
|     | jumlah besi                       | 9,00               | Bh        |             |                   |              |        |              |         |
|     | Panjang Besi 1 Luasan             | 31,32              | m         |             |                   |              |        |              |         |
|     | Total Luasan                      | 1,00               | Bh        |             |                   |              |        |              |         |
|     | Total Panjang Besi 1 Luasan       | 31,32              | m         |             |                   |              |        |              |         |
|     | Berat Total Besi Tumpuan X 2      | 19,32              | Kg        |             |                   |              |        |              |         |



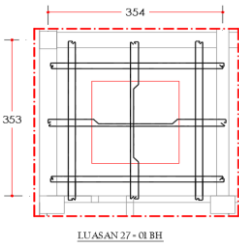


| NO. | URAIAN PEKERJAAN                  | URAIAN PERHITUNGAN |           |             |                   |              | VOLUME | SAT.         |   |
|-----|-----------------------------------|--------------------|-----------|-------------|-------------------|--------------|--------|--------------|---|
|     |                                   | Panjang (P)        | Lebar (L) | Tinggi (T)  | Banyak Luasan (Q) | Total        |        |              |   |
| 1   | 2                                 | 3                  | 4         | 5           | 6                 | 7            | 8      | 9            |   |
|     | 3. Lapangan X 1                   |                    |           |             |                   |              |        |              |   |
|     | Panjang (a)                       | 1,74               | m         |             |                   |              |        |              |   |
|     | Panjang (b)                       | 0,87               | m         |             |                   |              |        |              |   |
|     |                                   | 0,87               | m         |             |                   |              |        |              |   |
|     | Panjang (c)                       | 0,11               | m         |             |                   |              |        |              |   |
|     |                                   | 0,11               | m         |             |                   |              |        |              |   |
|     | Panjang Total                     | 3,71               | m         |             |                   |              |        |              |   |
|     | Jarak Tulangan                    | 0,20               | m         |             |                   |              |        |              |   |
|     | Ukuran Besi                       | 0,010              | m         |             |                   |              |        |              |   |
|     | Berat Tul                         | 0,617              | Kg/m      |             |                   |              |        |              |   |
|     | jumlah besi                       | 9,00               | Bh        |             |                   |              |        |              |   |
|     | Panjang Besi 1 Luasan             | 33,36              | m         |             |                   |              |        |              |   |
|     | Total Luasan                      | 1,00               | Bh        |             |                   |              |        |              |   |
|     | Total Panjang Besi 1 Luasan       | 33,36              | m         |             |                   |              |        |              |   |
|     | Berat Total Besi lapangan X 1     | 20,58              | Kg        |             |                   |              |        |              |   |
|     | 4. Lapangan X 2                   |                    |           |             |                   |              |        |              |   |
|     | Panjang (a)                       | 3,48               | m         |             |                   |              |        |              |   |
|     | Panjang Total                     | 3,48               | m         |             |                   |              |        |              |   |
|     | Jarak Tulangan                    | 0,20               | m         |             |                   |              |        |              |   |
|     | Ukuran Besi                       | 0,010              | m         |             |                   |              |        |              |   |
|     | Berat Tul                         | 0,617              | Kg/m      |             |                   |              |        |              |   |
|     | jumlah besi                       | 9,00               | Bh        |             |                   |              |        |              |   |
|     | Panjang Besi 1 Luasan             | 31,32              | m         |             |                   |              |        |              |   |
|     | Total Luasan                      | 1,00               | Bh        |             |                   |              |        |              |   |
|     | Total Panjang Besi 1 Luasan       | 31,32              | m         |             |                   |              |        |              |   |
|     | Berat Total Besi Lapangan X 2     | 19,32              | Kg        |             |                   |              |        |              |   |
|     | Total Penulangan Luasan 26 Arah X | Tumpuan X 1        | +         | Tumpuan X 2 | +                 | Lapangan X 1 | +      | Lapangan X 1 |   |
|     |                                   | 19,32              | +         | 19,32       | +                 | 20,58        | +      | 19,32        | = |
|     |                                   |                    |           |             |                   |              |        | 78,55        |   |
|     | Luasan 26 (Arah Y)                |                    |           |             |                   |              |        |              |   |
|     | Lx                                | 3,48               | m         |             |                   |              |        |              |   |
|     | Ly                                | 3,53               | m         |             |                   |              |        |              |   |
|     | 1. Tumpuan Y 1                    |                    |           |             |                   |              |        |              |   |
|     | Panjang (a)                       | 3,53               | m         |             |                   |              |        |              |   |
|     | Panjang Total                     | 3,53               | m         |             |                   |              |        |              |   |
|     | Jarak Tulangan                    | 0,20               | m         |             |                   |              |        |              |   |
|     | Ukuran Besi                       | 0,010              | m         |             |                   |              |        |              |   |
|     | Berat Tul                         | 0,617              | Kg/m      |             |                   |              |        |              |   |
|     | jumlah besi                       | 9,00               | Bh        |             |                   |              |        |              |   |
|     | Panjang Besi 1 Luasan             | 31,77              | m         |             |                   |              |        |              |   |
|     | Total Luasan                      | 1,00               | Bh        |             |                   |              |        |              |   |
|     | Total Panjang Besi 1 Luasan       | 31,77              | m         |             |                   |              |        |              |   |
|     | Berat Total Besi Tumpuan Y 1      | 19,60              | Kg        |             |                   |              |        |              |   |
|     | 2. Tumpuan Y 2                    |                    |           |             |                   |              |        |              |   |
|     | Panjang (a)                       | 3,53               | m         |             |                   |              |        |              |   |
|     | Panjang Total                     | 3,53               | m         |             |                   |              |        |              |   |
|     | Jarak Tulangan                    | 0,20               | m         |             |                   |              |        |              |   |
|     | Ukuran Besi                       | 0,010              | m         |             |                   |              |        |              |   |
|     | Berat Tul                         | 0,617              | Kg/m      |             |                   |              |        |              |   |
|     | jumlah besi                       | 9,00               | Bh        |             |                   |              |        |              |   |
|     | Panjang Besi 1 Luasan             | 31,77              | m         |             |                   |              |        |              |   |
|     | Total Luasan                      | 1,00               | Bh        |             |                   |              |        |              |   |
|     | Total Panjang Besi 1 Luasan       | 31,77              | m         |             |                   |              |        |              |   |
|     | Berat Total Besi Tumpuan Y 2      | 19,60              | Kg        |             |                   |              |        |              |   |
|     | 3. Lapangan Y 1                   |                    |           |             |                   |              |        |              |   |
|     | Panjang (a)                       | 1,77               | m         |             |                   |              |        |              |   |
|     | Panjang (b)                       | 0,88               | m         |             |                   |              |        |              |   |
|     |                                   | 0,88               | m         |             |                   |              |        |              |   |
|     | Panjang (c)                       | 0,11               | m         |             |                   |              |        |              |   |
|     |                                   | 0,11               | m         |             |                   |              |        |              |   |
|     | Panjang Total                     | 3,76               | m         |             |                   |              |        |              |   |
|     | Jarak Tulangan                    | 0,20               | m         |             |                   |              |        |              |   |
|     | Ukuran Besi                       | 0,010              | m         |             |                   |              |        |              |   |
|     | Berat Tul                         | 0,617              | Kg/m      |             |                   |              |        |              |   |
|     | jumlah besi                       | 9,00               | Bh        |             |                   |              |        |              |   |
|     | Panjang Besi 1 Luasan             | 33,81              | m         |             |                   |              |        |              |   |
|     | Total Luasan                      | 1,00               | Bh        |             |                   |              |        |              |   |
|     | Total Panjang Besi 1 Luasan       | 33,81              | m         |             |                   |              |        |              |   |
|     | Berat Total Besi lapangan Y 1     | 20,86              | Kg        |             |                   |              |        |              |   |

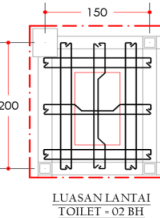
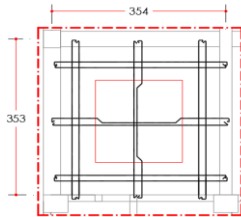




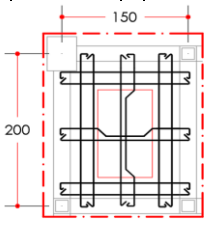
| NO. | URAIAN PEKERJAAN                  | URAIAN PERHITUNGAN |      |             |   |              |                   | VOLUME       | SAT. |        |
|-----|-----------------------------------|--------------------|------|-------------|---|--------------|-------------------|--------------|------|--------|
|     |                                   | Panjang (P)        |      | Lebar (L)   |   | Tinggi (T)   | Banyak Luasan (Q) |              |      | Total  |
| 1   | 2                                 | 3                  |      | 4           |   | 5            | 6                 | 7            | 8    | 9      |
|     | 4. Lapangan Y 2                   |                    |      |             |   |              |                   |              |      |        |
|     | Panjang (a)                       | 3,53               | m    |             |   |              |                   |              |      |        |
|     | Panjang Total                     | 3,53               | m    |             |   |              |                   |              |      |        |
|     | Jarak Tulangan                    | 0,20               | m    |             |   |              |                   |              |      |        |
|     | Ukuran Besi                       | 0,010              | m    |             |   |              |                   |              |      |        |
|     | Berat Tul                         | 0,617              | Kg/m |             |   |              |                   |              |      |        |
|     | jumlah besi                       | 9,00               | Bh   |             |   |              |                   |              |      |        |
|     | Panjang Besi 1 Luasan             | 31,77              | m    |             |   |              |                   |              |      |        |
|     | Total Luasan                      | 1,00               | Bh   |             |   |              |                   |              |      |        |
|     | Total Panjang Besi 1 Luasan       | 31,77              | m    |             |   |              |                   |              |      |        |
|     | Berat Total Besi Lapangan Y 2     | 19,60              | Kg   |             |   |              |                   |              |      |        |
|     | Total Penulangan Luasan 26 Arah Y | Tumpuan Y 1        | +    | Tumpuan Y 2 | + | Lapangan Y 1 | +                 | Lapangan Y 2 | =    |        |
|     |                                   | 19,60              | +    | 19,60       | + | 20,86        | +                 | 19,60        | =    | 79,66  |
|     | Total Penulangan Luasan 26        | Arah X             | +    | Arah Y      |   |              |                   |              | =    |        |
|     |                                   | 78,55              | +    | 79,66       |   |              |                   |              | =    | 158,22 |
|     | Luasan 27 (Arah X)                |                    |      |             |   |              |                   |              |      |        |
|     | Lx                                | 3,54               | m    |             |   |              |                   |              |      |        |
|     | Ly                                | 3,53               | m    |             |   |              |                   |              |      |        |
|     | 1. Tumpuan X 1                    |                    |      |             |   |              |                   |              |      |        |
|     | Panjang (a)                       | 3,54               | m    |             |   |              |                   |              |      |        |
|     | Panjang Total                     | 3,54               | m    |             |   |              |                   |              |      |        |
|     | Jarak Tulangan                    | 0,20               | m    |             |   |              |                   |              |      |        |
|     | Ukuran Besi                       | 0,010              | m    |             |   |              |                   |              |      |        |
|     | Berat Tul                         | 0,617              | Kg/m |             |   |              |                   |              |      |        |
|     | jumlah besi                       | 9,00               | Bh   |             |   |              |                   |              |      |        |
|     | Panjang Besi 1 Luasan             | 31,86              | m    |             |   |              |                   |              |      |        |
|     | Total Luasan                      | 1,00               | Bh   |             |   |              |                   |              |      |        |
|     | Total Panjang Besi 1 Luasan       | 31,86              | m    |             |   |              |                   |              |      |        |
|     | Berat Total Besi Tumpuan X 1      | 19,66              | Kg   |             |   |              |                   |              |      |        |
|     | 2. Tumpuan X 2                    |                    |      |             |   |              |                   |              |      |        |
|     | Panjang (a)                       | 3,54               | m    |             |   |              |                   |              |      |        |
|     | Panjang Total                     | 3,54               | m    |             |   |              |                   |              |      |        |
|     | Jarak Tulangan                    | 0,20               | m    |             |   |              |                   |              |      |        |
|     | Ukuran Besi                       | 0,010              | m    |             |   |              |                   |              |      |        |
|     | Berat Tul                         | 0,617              | Kg/m |             |   |              |                   |              |      |        |
|     | jumlah besi                       | 9,00               | Bh   |             |   |              |                   |              |      |        |
|     | Panjang Besi 1 Luasan             | 31,86              | m    |             |   |              |                   |              |      |        |
|     | Total Luasan                      | 1,00               | Bh   |             |   |              |                   |              |      |        |
|     | Total Panjang Besi 1 Luasan       | 31,86              | m    |             |   |              |                   |              |      |        |
|     | Berat Total Besi Tumpuan X 2      | 19,66              | Kg   |             |   |              |                   |              |      |        |
|     | 3. Lapangan X 1                   |                    |      |             |   |              |                   |              |      |        |
|     | Panjang (a)                       | 1,77               | m    |             |   |              |                   |              |      |        |
|     | Panjang (b)                       | 0,89               | m    |             |   |              |                   |              |      |        |
|     |                                   | 0,89               | m    |             |   |              |                   |              |      |        |
|     | Panjang (c)                       | 0,11               | m    |             |   |              |                   |              |      |        |
|     |                                   | 0,11               | m    |             |   |              |                   |              |      |        |
|     | Panjang Total                     | 3,77               | m    |             |   |              |                   |              |      |        |
|     | Jarak Tulangan                    | 0,20               | m    |             |   |              |                   |              |      |        |
|     | Ukuran Besi                       | 0,010              | m    |             |   |              |                   |              |      |        |
|     | Berat Tul                         | 0,617              | Kg/m |             |   |              |                   |              |      |        |
|     | jumlah besi                       | 9,00               | Bh   |             |   |              |                   |              |      |        |
|     | Panjang Besi 1 Luasan             | 33,90              | m    |             |   |              |                   |              |      |        |
|     | Total Luasan                      | 1,00               | Bh   |             |   |              |                   |              |      |        |
|     | Total Panjang Besi 1 Luasan       | 33,90              | m    |             |   |              |                   |              |      |        |
|     | Berat Total Besi lapangan X 1     | 20,91              | Kg   |             |   |              |                   |              |      |        |
|     | 4. Lapangan X 2                   |                    |      |             |   |              |                   |              |      |        |
|     | Panjang (a)                       | 3,54               | m    |             |   |              |                   |              |      |        |
|     | Panjang Total                     | 3,54               | m    |             |   |              |                   |              |      |        |
|     | Jarak Tulangan                    | 0,20               | m    |             |   |              |                   |              |      |        |
|     | Ukuran Besi                       | 0,010              | m    |             |   |              |                   |              |      |        |
|     | Berat Tul                         | 0,617              | Kg/m |             |   |              |                   |              |      |        |
|     | jumlah besi                       | 9,00               | Bh   |             |   |              |                   |              |      |        |
|     | Panjang Besi 1 Luasan             | 31,86              | m    |             |   |              |                   |              |      |        |
|     | Total Luasan                      | 1,00               | Bh   |             |   |              |                   |              |      |        |
|     | Total Panjang Besi 1 Luasan       | 31,86              | m    |             |   |              |                   |              |      |        |
|     | Berat Total Besi Lapangan X 2     | 19,66              | Kg   |             |   |              |                   |              |      |        |
|     | Total Penulangan Luasan 27 Arah X | Tumpuan X 1        | +    | Tumpuan X 2 | + | Lapangan X 1 | +                 | Lapangan X 1 | =    |        |
|     |                                   | 19,66              | +    | 19,66       | + | 20,91        | +                 | 19,66        | =    | 79,89  |



| NO. | URAIAN PEKERJAAN                  | URAIAN PERHITUNGAN |           |             |                   |              | VOLUME | SAT.         |
|-----|-----------------------------------|--------------------|-----------|-------------|-------------------|--------------|--------|--------------|
|     |                                   | Panjang (P)        | Lebar (L) | Tinggi (T)  | Banyak Luasan (Q) | Total        |        |              |
| 1   | 2                                 | 3                  | 4         | 5           | 6                 | 7            | 8      | 9            |
|     | Luasan 27 (Arah Y)                |                    |           |             |                   |              |        |              |
|     | Lx                                | 3,54               | m         |             |                   |              |        |              |
|     | Ly                                | 3,53               | m         |             |                   |              |        |              |
|     | 1. Tumpuan Y 1                    |                    |           |             |                   |              |        |              |
|     | Panjang (a)                       | 3,53               | m         |             |                   |              |        |              |
|     | Panjang Total                     | 3,53               | m         |             |                   |              |        |              |
|     | Jarak Tulangan                    | 0,20               | m         |             |                   |              |        |              |
|     | Ukuran Besi                       | 0,010              | m         |             |                   |              |        |              |
|     | Berat Tul                         | 0,617              | Kg/m      |             |                   |              |        |              |
|     | jumlah besi                       | 9,00               | Bh        |             |                   |              |        |              |
|     | Panjang Besi 1 Luasan             | 31,77              | m         |             |                   |              |        |              |
|     | Total Luasan                      | 1,00               | Bh        |             |                   |              |        |              |
|     | Total Panjang Besi 1 Luasan       | 31,77              | m         |             |                   |              |        |              |
|     | Berat Total Besi Tumpuan Y 1      | 19,60              | Kg        |             |                   |              |        |              |
|     | 2. Tumpuan Y 2                    |                    |           |             |                   |              |        |              |
|     | Panjang (a)                       | 3,53               | m         |             |                   |              |        |              |
|     | Panjang Total                     | 3,53               | m         |             |                   |              |        |              |
|     | Jarak Tulangan                    | 0,20               | m         |             |                   |              |        |              |
|     | Ukuran Besi                       | 0,010              | m         |             |                   |              |        |              |
|     | Berat Tul                         | 0,617              | Kg/m      |             |                   |              |        |              |
|     | jumlah besi                       | 9,00               | Bh        |             |                   |              |        |              |
|     | Panjang Besi 1 Luasan             | 31,77              | m         |             |                   |              |        |              |
|     | Total Luasan                      | 1,00               | Bh        |             |                   |              |        |              |
|     | Total Panjang Besi 1 Luasan       | 31,77              | m         |             |                   |              |        |              |
|     | Berat Total Besi Tumpuan Y 2      | 19,60              | Kg        |             |                   |              |        |              |
|     | 3. Lapangan Y 1                   |                    |           |             |                   |              |        |              |
|     | Panjang (a)                       | 1,77               | m         |             |                   |              |        |              |
|     | Panjang (b)                       | 0,88               | m         |             |                   |              |        |              |
|     |                                   | 0,88               | m         |             |                   |              |        |              |
|     | Panjang (c)                       | 0,11               | m         |             |                   |              |        |              |
|     |                                   | 0,11               | m         |             |                   |              |        |              |
|     | Panjang Total                     | 3,76               | m         |             |                   |              |        |              |
|     | Jarak Tulangan                    | 0,20               | m         |             |                   |              |        |              |
|     | Ukuran Besi                       | 0,010              | m         |             |                   |              |        |              |
|     | Berat Tul                         | 0,617              | Kg/m      |             |                   |              |        |              |
|     | jumlah besi                       | 9,00               | Bh        |             |                   |              |        |              |
|     | Panjang Besi 1 Luasan             | 33,81              | m         |             |                   |              |        |              |
|     | Total Luasan                      | 1,00               | Bh        |             |                   |              |        |              |
|     | Total Panjang Besi 1 Luasan       | 33,81              | m         |             |                   |              |        |              |
|     | Berat Total Besi lapangan Y 1     | 20,86              | Kg        |             |                   |              |        |              |
|     | 4. Lapangan Y 2                   |                    |           |             |                   |              |        |              |
|     | Panjang (a)                       | 3,53               | m         |             |                   |              |        |              |
|     | Panjang Total                     | 3,53               | m         |             |                   |              |        |              |
|     | Jarak Tulangan                    | 0,20               | m         |             |                   |              |        |              |
|     | Ukuran Besi                       | 0,010              | m         |             |                   |              |        |              |
|     | Berat Tul                         | 0,617              | Kg/m      |             |                   |              |        |              |
|     | jumlah besi                       | 9,00               | Bh        |             |                   |              |        |              |
|     | Panjang Besi 1 Luasan             | 31,77              | m         |             |                   |              |        |              |
|     | Total Luasan                      | 1,00               | Bh        |             |                   |              |        |              |
|     | Total Panjang Besi 1 Luasan       | 31,77              | m         |             |                   |              |        |              |
|     | Berat Total Besi Lapangan Y 2     | 19,60              | Kg        |             |                   |              |        |              |
|     | Total Penulangan Luasan 27 Arah Y | Tumpuan Y 1        | +         | Tumpuan Y 2 | +                 | Lapangan Y 1 | +      | Lapangan Y 2 |
|     |                                   | 19,60              | +         | 19,60       | +                 | 20,86        | +      | 19,60        |
|     |                                   |                    |           |             |                   |              | =      | 79,66        |
|     | Total Penulangan Luasan 27        | Arah X             | +         | Arah Y      |                   |              |        |              |
|     |                                   | 79,89              | +         | 79,66       |                   |              | =      | 159,55       |
|     | Luasan Toilet (Arah X)            |                    |           |             |                   |              |        |              |
|     | Lx                                | 1,50               | m         |             |                   |              |        |              |
|     | Ly                                | 2,00               | m         |             |                   |              |        |              |
|     | 1. Tumpuan X 1                    |                    |           |             |                   |              |        |              |
|     | Panjang (a)                       | 1,50               | m         |             |                   |              |        |              |
|     | Panjang Total                     | 1,50               | m         |             |                   |              |        |              |
|     | Jarak Tulangan                    | 0,20               | m         |             |                   |              |        |              |
|     | Ukuran Besi                       | 0,010              | m         |             |                   |              |        |              |
|     | Berat Tul                         | 0,617              | Kg/m      |             |                   |              |        |              |
|     | jumlah besi                       | 5,00               | Bh        |             |                   |              |        |              |
|     | Panjang Besi 1 Luasan             | 7,50               | m         |             |                   |              |        |              |
|     | Total Luasan                      | 2,00               | Bh        |             |                   |              |        |              |
|     | Total Panjang Besi 1 Luasan       | 15,00              | m         |             |                   |              |        |              |
|     | Berat Total Besi Tumpuan X 1      | 9,26               | Kg        |             |                   |              |        |              |



| NO. | URAIAN PEKERJAAN                      | URAIAN PERHITUNGAN |      |             |            |                   |       | VOLUME       | SAT.    |
|-----|---------------------------------------|--------------------|------|-------------|------------|-------------------|-------|--------------|---------|
|     |                                       | Panjang (P)        |      | Lebar (L)   | Tinggi (T) | Banyak Luasan (Q) | Total |              |         |
| 1   | 2                                     | 3                  |      | 4           | 5          | 6                 | 7     | 8            | 9       |
|     | 2. Tumpuan X 2                        |                    |      |             |            |                   |       |              |         |
|     | Panjang (a)                           | 1,50               | m    |             |            |                   |       |              |         |
|     | Panjang Total                         | 1,50               | m    |             |            |                   |       |              |         |
|     | Jarak Tulangan                        | 0,20               | m    |             |            |                   |       |              |         |
|     | Ukuran Besi                           | 0,010              | m    |             |            |                   |       |              |         |
|     | Berat Tul                             | 0,617              | Kg/m |             |            |                   |       |              |         |
|     | jumlah besi                           | 5,00               | Bh   |             |            |                   |       |              |         |
|     | Panjang Besi 1 Luasan                 | 7,50               | m    |             |            |                   |       |              |         |
|     | Total Luasan                          | 2,00               | Bh   |             |            |                   |       |              |         |
|     | Total Panjang Besi 1 Luasan           | 15,00              | m    |             |            |                   |       |              |         |
|     | Berat Total Besi Tumpuan X 2          | 9,26               | Kg   |             |            |                   |       |              |         |
|     | 3. Lapangan X 1                       |                    |      |             |            |                   |       |              |         |
|     | Panjang (a)                           | 0,75               | m    |             |            |                   |       |              |         |
|     | Panjang (b)                           | 0,38               | m    |             |            |                   |       |              |         |
|     |                                       | 0,38               | m    |             |            |                   |       |              |         |
|     | Panjang (c)                           | 0,11               | m    |             |            |                   |       |              |         |
|     |                                       | 0,11               | m    |             |            |                   |       |              |         |
|     | Panjang Total                         | 1,73               | m    |             |            |                   |       |              |         |
|     | Jarak Tulangan                        | 0,20               | m    |             |            |                   |       |              |         |
|     | Ukuran Besi                           | 0,010              | m    |             |            |                   |       |              |         |
|     | Berat Tul                             | 0,617              | Kg/m |             |            |                   |       |              |         |
|     | jumlah besi                           | 5,00               | Bh   |             |            |                   |       |              |         |
|     | Panjang Besi 1 Luasan                 | 8,63               | m    |             |            |                   |       |              |         |
|     | Total Luasan                          | 2,00               | Bh   |             |            |                   |       |              |         |
|     | Total Panjang Besi 1 Luasan           | 17,26              | m    |             |            |                   |       |              |         |
|     | Berat Total Besi lapangan X 1         | 10,65              | Kg   |             |            |                   |       |              |         |
|     | 4. Lapangan X 2                       |                    |      |             |            |                   |       |              |         |
|     | Panjang (a)                           | 1,50               | m    |             |            |                   |       |              |         |
|     | Panjang Total                         | 1,50               | m    |             |            |                   |       |              |         |
|     | Jarak Tulangan                        | 0,20               | m    |             |            |                   |       |              |         |
|     | Ukuran Besi                           | 0,010              | m    |             |            |                   |       |              |         |
|     | Berat Tul                             | 0,617              | Kg/m |             |            |                   |       |              |         |
|     | jumlah besi                           | 5,00               | Bh   |             |            |                   |       |              |         |
|     | Panjang Besi 1 Luasan                 | 7,50               | m    |             |            |                   |       |              |         |
|     | Total Luasan                          | 2,00               | Bh   |             |            |                   |       |              |         |
|     | Total Panjang Besi 1 Luasan           | 15,00              | m    |             |            |                   |       |              |         |
|     | Berat Total Besi Lapangan X 2         | 9,26               | Kg   |             |            |                   |       |              |         |
|     | Total Penulangan Luasan Toilet Arah X | Tumpuan X 1        | +    | Tumpuan X 2 | +          | Lapangan X 1      | +     | Lapangan X 1 |         |
|     |                                       | 9,26               | +    | 9,26        | +          | 10,65             | +     | 9,26         | = 38,42 |
|     | Luasan Toilet (Arah Y)                |                    |      |             |            |                   |       |              |         |
|     | Lx                                    | 1,50               | m    |             |            |                   |       |              |         |
|     | Ly                                    | 2,00               | m    |             |            |                   |       |              |         |
|     | 1. Tumpuan Y 1                        |                    |      |             |            |                   |       |              |         |
|     | Panjang (a)                           | 2,00               | m    |             |            |                   |       |              |         |
|     | Panjang Total                         | 2,00               | m    |             |            |                   |       |              |         |
|     | Jarak Tulangan                        | 0,20               | m    |             |            |                   |       |              |         |
|     | Ukuran Besi                           | 0,010              | m    |             |            |                   |       |              |         |
|     | Berat Tul                             | 0,617              | Kg/m |             |            |                   |       |              |         |
|     | jumlah besi                           | 4,00               | Bh   |             |            |                   |       |              |         |
|     | Panjang Besi 1 Luasan                 | 8,00               | m    |             |            |                   |       |              |         |
|     | Total Luasan                          | 2,00               | Bh   |             |            |                   |       |              |         |
|     | Total Panjang Besi 1 Luasan           | 16,00              | m    |             |            |                   |       |              |         |
|     | Berat Total Besi Tumpuan Y 1          | 9,87               | Kg   |             |            |                   |       |              |         |
|     | 2. Tumpuan Y 2                        |                    |      |             |            |                   |       |              |         |
|     | Panjang (a)                           | 2,00               | m    |             |            |                   |       |              |         |
|     | Panjang Total                         | 2,00               | m    |             |            |                   |       |              |         |
|     | Jarak Tulangan                        | 0,20               | m    |             |            |                   |       |              |         |
|     | Ukuran Besi                           | 0,010              | m    |             |            |                   |       |              |         |
|     | Berat Tul                             | 0,617              | Kg/m |             |            |                   |       |              |         |
|     | jumlah besi                           | 4,00               | Bh   |             |            |                   |       |              |         |
|     | Panjang Besi 1 Luasan                 | 8,00               | m    |             |            |                   |       |              |         |
|     | Total Luasan                          | 2,00               | Bh   |             |            |                   |       |              |         |
|     | Total Panjang Besi 1 Luasan           | 16,00              | m    |             |            |                   |       |              |         |
|     | Berat Total Besi Tumpuan Y 2          | 9,87               | Kg   |             |            |                   |       |              |         |



LUASAN LANTAI  
TOILET - 02 BH

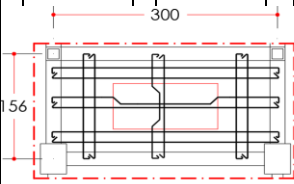
| NO. | URAIAN PEKERJAAN                      | URAIAN PERHITUNGAN |           |             |                   |              | VOLUME | SAT.         |
|-----|---------------------------------------|--------------------|-----------|-------------|-------------------|--------------|--------|--------------|
|     |                                       | Panjang (P)        | Lebar (L) | Tinggi (T)  | Banyak Luasan (Q) | Total        |        |              |
| 1   | 2                                     | 3                  | 4         | 5           | 6                 | 7            | 8      | 9            |
|     | 3. Lapangan Y 1                       |                    |           |             |                   |              |        |              |
|     | Panjang (a)                           | 1,00               | m         |             |                   |              |        |              |
|     | Panjang (b)                           | 0,50               | m         |             |                   |              |        |              |
|     |                                       | 0,50               | m         |             |                   |              |        |              |
|     | Panjang (c)                           | 0,11               | m         |             |                   |              |        |              |
|     |                                       | 0,11               | m         |             |                   |              |        |              |
|     | Panjang Total                         | 2,23               | m         |             |                   |              |        |              |
|     | Jarak Tulangan                        | 0,20               | m         |             |                   |              |        |              |
|     | Ukuran Besi                           | 0,010              | m         |             |                   |              |        |              |
|     | Berat Tul                             | 0,617              | Kg/m      |             |                   |              |        |              |
|     | jumlah besi                           | 4,00               | Bh        |             |                   |              |        |              |
|     | Panjang Besi 1 Luasan                 | 8,91               | m         |             |                   |              |        |              |
|     | Total Luasan                          | 2,00               | Bh        |             |                   |              |        |              |
|     | Total Panjang Besi 1 Luasan           | 17,81              | m         |             |                   |              |        |              |
|     | Berat Total Besi lapangan Y 1         | 10,99              | Kg        |             |                   |              |        |              |
|     | 4. Lapangan Y 2                       |                    |           |             |                   |              |        |              |
|     | Panjang (a)                           | 2,00               | m         |             |                   |              |        |              |
|     | Panjang Total                         | 2,00               | m         |             |                   |              |        |              |
|     | Jarak Tulangan                        | 0,20               | m         |             |                   |              |        |              |
|     | Ukuran Besi                           | 0,010              | m         |             |                   |              |        |              |
|     | Berat Tul                             | 0,617              | Kg/m      |             |                   |              |        |              |
|     | jumlah besi                           | 4,00               | Bh        |             |                   |              |        |              |
|     | Panjang Besi 1 Luasan                 | 8,00               | m         |             |                   |              |        |              |
|     | Total Luasan                          | 2,00               | Bh        |             |                   |              |        |              |
|     | Total Panjang Besi 1 Luasan           | 16,00              | m         |             |                   |              |        |              |
|     | Berat Total Besi Lapangan Y 2         | 9,87               | Kg        |             |                   |              |        |              |
|     | Total Penulangan Luasan Toilet Arah Y | Tumpuan Y 1        | +         | Tumpuan Y 2 | +                 | Lapangan Y 1 | +      | Lapangan Y 2 |
|     |                                       | 9,87               | +         | 9,87        | +                 | 10,99        | +      | 9,87         |
|     |                                       |                    |           |             |                   |              | =      | 40,60        |
|     | Total Penulangan Luasan Toilet        | Arah X             | +         | Arah Y      |                   |              |        |              |
|     |                                       | 38,42              | +         | 40,60       |                   |              |        |              |
|     |                                       |                    |           |             |                   |              | =      | 79,02        |
|     | Luasan Bordes (Arah X)                |                    |           |             |                   |              |        |              |
|     | Lx                                    | 3,00               | m         |             |                   |              |        |              |
|     | Ly                                    | 1,56               | m         |             |                   |              |        |              |
|     | 1. Tumpuan X 1                        |                    |           |             |                   |              |        |              |
|     | Panjang (a)                           | 3,00               | m         |             |                   |              |        |              |
|     | Panjang Total                         | 3,00               | m         |             |                   |              |        |              |
|     | Jarak Tulangan                        | 0,20               | m         |             |                   |              |        |              |
|     | Ukuran Besi                           | 0,010              | m         |             |                   |              |        |              |
|     | Berat Tul                             | 0,617              | Kg/m      |             |                   |              |        |              |
|     | jumlah besi                           | 4,00               | Bh        |             |                   |              |        |              |
|     | Panjang Besi 1 Luasan                 | 12,00              | m         |             |                   |              |        |              |
|     | Total Luasan                          | 1,00               | Bh        |             |                   |              |        |              |
|     | Total Panjang Besi 1 Luasan           | 12,00              | m         |             |                   |              |        |              |
|     | Berat Total Besi Tumpuan X 1          | 7,40               | Kg        |             |                   |              |        |              |
|     | 2. Tumpuan X 2                        |                    |           |             |                   |              |        |              |
|     | Panjang (a)                           | 3,00               | m         |             |                   |              |        |              |
|     | Panjang Total                         | 3,00               | m         |             |                   |              |        |              |
|     | Jarak Tulangan                        | 0,20               | m         |             |                   |              |        |              |
|     | Ukuran Besi                           | 0,010              | m         |             |                   |              |        |              |
|     | Berat Tul                             | 0,617              | Kg/m      |             |                   |              |        |              |
|     | jumlah besi                           | 4,00               | Bh        |             |                   |              |        |              |
|     | Panjang Besi 1 Luasan                 | 12,00              | m         |             |                   |              |        |              |
|     | Total Luasan                          | 1,00               | Bh        |             |                   |              |        |              |
|     | Total Panjang Besi 1 Luasan           | 12,00              | m         |             |                   |              |        |              |
|     | Berat Total Besi Tumpuan X 2          | 7,40               | Kg        |             |                   |              |        |              |
|     | 3. Lapangan X 1                       |                    |           |             |                   |              |        |              |
|     | Panjang (a)                           | 1,50               | m         |             |                   |              |        |              |
|     | Panjang (b)                           | 0,75               | m         |             |                   |              |        |              |
|     |                                       | 0,75               | m         |             |                   |              |        |              |
|     | Panjang (c)                           | 0,11               | m         |             |                   |              |        |              |
|     |                                       | 0,11               | m         |             |                   |              |        |              |
|     | Panjang Total                         | 3,23               | m         |             |                   |              |        |              |
|     | Jarak Tulangan                        | 0,20               | m         |             |                   |              |        |              |
|     | Ukuran Besi                           | 0,010              | m         |             |                   |              |        |              |
|     | Berat Tul                             | 0,617              | Kg/m      |             |                   |              |        |              |
|     | jumlah besi                           | 4,00               | Bh        |             |                   |              |        |              |
|     | Panjang Besi 1 Luasan                 | 12,91              | m         |             |                   |              |        |              |
|     | Total Luasan                          | 1,00               | Bh        |             |                   |              |        |              |
|     | Total Panjang Besi 1 Luasan           | 12,91              | m         |             |                   |              |        |              |
|     | Berat Total Besi lapangan X 1         | 7,96               | Kg        |             |                   |              |        |              |

300

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LUASAN LANTAI BORDES - 01 BH

| NO. | URAIAN PEKERJAAN                          | URAIAN PERHITUNGAN |      |             |            |                   |       | VOLUME       | SAT. |       |
|-----|-------------------------------------------|--------------------|------|-------------|------------|-------------------|-------|--------------|------|-------|
|     |                                           | Panjang (P)        |      | Lebar (L)   | Tinggi (T) | Banyak Luasan (Q) | Total |              |      |       |
| 1   | 2                                         | 3                  |      | 4           |            | 5                 | 6     | 7            | 8    | 9     |
|     | 4. Lapangan X 2                           |                    |      |             |            |                   |       |              |      |       |
|     | Panjang (a)                               | 3,00               | m    |             |            |                   |       |              |      |       |
|     | Panjang Total                             | 3,00               | m    |             |            |                   |       |              |      |       |
|     | Jarak Tulangan                            | 0,20               | m    |             |            |                   |       |              |      |       |
|     | Ukuran Besi                               | 0,010              | m    |             |            |                   |       |              |      |       |
|     | Berat Tul                                 | 0,617              | Kg/m |             |            |                   |       |              |      |       |
|     | jumlah besi                               | 4,00               | Bh   |             |            |                   |       |              |      |       |
|     | Panjang Besi 1 Luasan                     | 12,00              | m    |             |            |                   |       |              |      |       |
|     | Total Luasan                              | 1,00               | Bh   |             |            |                   |       |              |      |       |
|     | Total Panjang Besi 1 Luasan               | 12,00              | m    |             |            |                   |       |              |      |       |
|     | Berat Total Besi Lapangan X 2             | 7,40               | Kg   |             |            |                   |       |              |      |       |
|     | Total Penulangan Luasan Bordes Arah X     | Tumpuan X 1        | +    | Tumpuan X 2 | +          | Lapangan X 1      | +     | Lapangan X 1 | =    | 30,17 |
|     |                                           | 7,40               | +    | 7,40        | +          | 7,96              | +     | 7,40         |      |       |
|     | Luasan Bordes (Arah Y)                    |                    |      |             |            |                   |       |              |      |       |
|     | Lx                                        | 3,00               | m    |             |            |                   |       |              |      |       |
|     | Ly                                        | 1,56               | m    |             |            |                   |       |              |      |       |
|     | 1. Tumpuan Y 1                            |                    |      |             |            |                   |       |              |      |       |
|     | Panjang (a)                               | 1,56               | m    |             |            |                   |       |              |      |       |
|     | Panjang Total                             | 1,56               | m    |             |            |                   |       |              |      |       |
|     | Jarak Tulangan                            | 0,20               | m    |             |            |                   |       |              |      |       |
|     | Ukuran Besi                               | 0,010              | m    |             |            |                   |       |              |      |       |
|     | Berat Tul                                 | 0,617              | Kg/m |             |            |                   |       |              |      |       |
|     | jumlah besi                               | 8,00               | Bh   |             |            |                   |       |              |      |       |
|     | Panjang Besi 1 Luasan                     | 12,48              | m    |             |            |                   |       |              |      |       |
|     | Total Luasan                              | 1,00               | Bh   |             |            |                   |       |              |      |       |
|     | Total Panjang Besi 1 Luasan               | 12,48              | m    |             |            |                   |       |              |      |       |
|     | Berat Total Besi Tumpuan Y 1              | 7,70               | Kg   |             |            |                   |       |              |      |       |
|     | 2. Tumpuan Y 2                            |                    |      |             |            |                   |       |              |      |       |
|     | Panjang (a)                               | 1,56               | m    |             |            |                   |       |              |      |       |
|     | Panjang Total                             | 1,56               | m    |             |            |                   |       |              |      |       |
|     | Jarak Tulangan                            | 0,20               | m    |             |            |                   |       |              |      |       |
|     | Ukuran Besi                               | 0,010              | m    |             |            |                   |       |              |      |       |
|     | Berat Tul                                 | 0,617              | Kg/m |             |            |                   |       |              |      |       |
|     | jumlah besi                               | 8,00               | Bh   |             |            |                   |       |              |      |       |
|     | Panjang Besi 1 Luasan                     | 12,48              | m    |             |            |                   |       |              |      |       |
|     | Total Luasan                              | 1,00               | Bh   |             |            |                   |       |              |      |       |
|     | Total Panjang Besi 1 Luasan               | 12,48              | m    |             |            |                   |       |              |      |       |
|     | Berat Total Besi Tumpuan Y 2              | 7,70               | Kg   |             |            |                   |       |              |      |       |
|     | 3. Lapangan Y 1                           |                    |      |             |            |                   |       |              |      |       |
|     | Panjang (a)                               | 0,78               | m    |             |            |                   |       |              |      |       |
|     | Panjang (b)                               | 0,39               | m    |             |            |                   |       |              |      |       |
|     | Panjang (c)                               | 0,39               | m    |             |            |                   |       |              |      |       |
|     | Panjang (c)                               | 0,11               | m    |             |            |                   |       |              |      |       |
|     | Panjang Total                             | 1,79               | m    |             |            |                   |       |              |      |       |
|     | Jarak Tulangan                            | 0,20               | m    |             |            |                   |       |              |      |       |
|     | Ukuran Besi                               | 0,010              | m    |             |            |                   |       |              |      |       |
|     | Berat Tul                                 | 0,617              | Kg/m |             |            |                   |       |              |      |       |
|     | jumlah besi                               | 8,00               | Bh   |             |            |                   |       |              |      |       |
|     | Panjang Besi 1 Luasan                     | 14,29              | m    |             |            |                   |       |              |      |       |
|     | Total Luasan                              | 1,00               | Bh   |             |            |                   |       |              |      |       |
|     | Total Panjang Besi 1 Luasan               | 14,29              | m    |             |            |                   |       |              |      |       |
|     | Berat Total Besi lapangan Y 1             | 8,82               | Kg   |             |            |                   |       |              |      |       |
|     | 4. Lapangan Y 2                           |                    |      |             |            |                   |       |              |      |       |
|     | Panjang (a)                               | 1,56               | m    |             |            |                   |       |              |      |       |
|     | Panjang Total                             | 1,56               | m    |             |            |                   |       |              |      |       |
|     | Jarak Tulangan                            | 0,20               | m    |             |            |                   |       |              |      |       |
|     | Ukuran Besi                               | 0,010              | m    |             |            |                   |       |              |      |       |
|     | Berat Tul                                 | 0,617              | Kg/m |             |            |                   |       |              |      |       |
|     | jumlah besi                               | 8,00               | Bh   |             |            |                   |       |              |      |       |
|     | Panjang Besi 1 Luasan                     | 12,48              | m    |             |            |                   |       |              |      |       |
|     | Total Luasan                              | 1,00               | Bh   |             |            |                   |       |              |      |       |
|     | Total Panjang Besi 1 Luasan               | 12,48              | m    |             |            |                   |       |              |      |       |
|     | Berat Total Besi Lapangan Y 2             | 7,70               | Kg   |             |            |                   |       |              |      |       |
|     | Total Penulangan Luasan Bordes Arah Y     | Tumpuan Y 1        | +    | Tumpuan Y 2 | +          | Lapangan Y 1      | +     | Lapangan Y 2 | =    | 31,92 |
|     |                                           | 7,70               | +    | 7,70        | +          | 8,82              | +     | 7,70         |      |       |
|     | Total Penulangan Luasan Toilet dan Tandon | Arah X             | +    | Arah Y      |            |                   |       |              |      |       |
|     |                                           | 30,17              | +    | 31,92       |            |                   |       |              | =    | 62,09 |



LUASAN LANTAI BORDES - 01 BH

| NO. | URAIAN PEKERJAAN                  | URAIAN PERHITUNGAN                   |         |           |   |            |                   |      | VOLUME | SAT. |       |  |
|-----|-----------------------------------|--------------------------------------|---------|-----------|---|------------|-------------------|------|--------|------|-------|--|
|     |                                   | Panjang (P)                          |         | Lebar (L) |   | Tinggi (T) | Banyak Luasan (Q) |      |        |      | Total |  |
| 1   | 2                                 | 3                                    |         | 4         |   | 5          | 6                 |      | 7      | 8    | 9     |  |
| 10  | Total Berat Penulangan Plat Utama |                                      |         |           |   |            |                   |      |        |      |       |  |
|     | Luasan 1                          | 271,04                               | Kg      |           |   |            |                   |      |        |      |       |  |
|     | Luasan 2                          | 203,36                               | Kg      |           |   |            |                   |      |        |      |       |  |
|     | Luasan 3                          | 320,44                               | Kg      |           |   |            |                   |      |        |      |       |  |
|     | Luasan 4                          | 317,77                               | Kg      |           |   |            |                   |      |        |      |       |  |
|     | Luasan 5                          | 200,25                               | Kg      |           |   |            |                   |      |        |      |       |  |
|     | Luasan 6                          | 278,60                               | Kg      |           |   |            |                   |      |        |      |       |  |
|     | Luasan 7                          | 272,82                               | Kg      |           |   |            |                   |      |        |      |       |  |
|     | Luasan 8                          | 1357,44                              | Kg      |           |   |            |                   |      |        |      |       |  |
|     | Luasan 9                          | 375,57                               | Kg      |           |   |            |                   |      |        |      |       |  |
|     | Luasan 10                         | 75,73                                | Kg      |           |   |            |                   |      |        |      |       |  |
|     | Luasan 11                         | 154,67                               | Kg      |           |   |            |                   |      |        |      |       |  |
|     | Luasan 12                         | 55,58                                | Kg      |           |   |            |                   |      |        |      |       |  |
|     | Luasan 13                         | 88,21                                | Kg      |           |   |            |                   |      |        |      |       |  |
|     | Luasan 14                         | 88,95                                | Kg      |           |   |            |                   |      |        |      |       |  |
|     | Luasan 15                         | 56,45                                | Kg      |           |   |            |                   |      |        |      |       |  |
|     | Luasan 16                         | 75,24                                | Kg      |           |   |            |                   |      |        |      |       |  |
|     | Luasan 17                         | 45,86                                | Kg      |           |   |            |                   |      |        |      |       |  |
|     | Luasan 18                         | 54,25                                | Kg      |           |   |            |                   |      |        |      |       |  |
|     | Luasan 19                         | 41,97                                | Kg      |           |   |            |                   |      |        |      |       |  |
|     | Luasan 20                         | 66,82                                | Kg      |           |   |            |                   |      |        |      |       |  |
|     | Luasan 21                         | 67,51                                | Kg      |           |   |            |                   |      |        |      |       |  |
|     | Luasan 22                         | 98,79                                | Kg      |           |   |            |                   |      |        |      |       |  |
|     | Luasan 23                         | 156,89                               | Kg      |           |   |            |                   |      |        |      |       |  |
|     | Luasan 24                         | 158,22                               | Kg      |           |   |            |                   |      |        |      |       |  |
|     | Luasan 25                         | 99,68                                | Kg      |           |   |            |                   |      |        |      |       |  |
|     | Luasan 26                         | 158,22                               | Kg      |           |   |            |                   |      |        |      |       |  |
|     | Luasan 27                         | 159,55                               | Kg      |           |   |            |                   |      |        |      |       |  |
|     |                                   | Luasan Lantai Toilet dan Atap Tandon | 79,02   | Kg        |   |            |                   |      |        |      |       |  |
|     |                                   | Luasan Lantai Bordes                 | 62,09   | Kg        |   |            |                   |      |        |      |       |  |
|     |                                   | Jumlah Total Berat Tulangan Plat     | 5441,00 | Kg        |   |            |                   |      |        |      |       |  |
|     | a                                 | Tangga                               |         |           |   |            |                   |      |        |      |       |  |
|     | Pek. Bekisting Tangga             | P                                    | x       | L         |   | x          | Q                 | =    | 8,91   | M2   |       |  |
|     | Bawah                             | 4,00                                 | x       | 1,35      |   | x          | 1,00              | =    | 5,40   |      |       |  |
|     | Atas                              | 2,60                                 | x       | 1,35      |   | x          | 1,00              | =    | 3,51   |      |       |  |
|     |                                   |                                      |         |           |   |            | Jumlah Total      | =    | 8,91   |      |       |  |
| b   | Pek. Pembetonan Tangga            | P                                    | x       | L         | x | T          | Q                 | =    | 1,62   | M3   |       |  |
|     | Bawah                             | 4,00                                 | x       | 1,35      | x | 0,10       | 1,00              | =    | 0,54   |      |       |  |
|     | Atas                              | 2,60                                 | x       | 1,35      | x | 0,10       | 1,00              | =    | 0,35   |      |       |  |
|     | Anak Tangga                       | 0,50                                 | x       | a         | x | t          |                   |      |        |      |       |  |
|     |                                   | 0,50                                 | x       | 0,20      | x | 0,30       | =                 | 0,03 |        |      |       |  |
|     | Volume Anak tangga                | Luas                                 | x       | P         | x | Q          |                   |      |        |      |       |  |
|     |                                   | 0,03                                 | x       | 1,35      | x | 18,00      |                   |      |        |      |       |  |
|     |                                   |                                      |         |           |   |            | Jumlah Total      | =    | 0,73   |      |       |  |
|     |                                   |                                      |         |           |   |            |                   | =    | 1,62   |      |       |  |
| c   | Pembesian Tangga                  |                                      |         |           |   |            |                   |      |        |      |       |  |
|     | Besi Diameter 10 mm               |                                      |         |           |   |            |                   |      |        |      |       |  |
|     | Pembesian Plat Tangga Bawah       |                                      |         |           |   |            |                   |      |        |      |       |  |
|     | Lx                                | 1,35                                 | m       |           |   |            |                   |      |        |      |       |  |
|     | Ly                                | 4,00                                 | m       |           |   |            |                   |      |        |      |       |  |
|     | 1. Pembesian X                    |                                      |         |           |   |            |                   |      |        |      |       |  |
|     | Panjang (a)                       | 1,35                                 | m       |           |   |            |                   |      |        |      |       |  |
|     | Panjang Total                     | 1,35                                 | m       |           |   |            |                   |      |        |      |       |  |
|     | Jarak Tulangan                    | 0,15                                 | m       |           |   |            |                   |      |        |      |       |  |
|     | Ukuran Besi                       | 0,010                                | m       |           |   |            |                   |      |        |      |       |  |
|     | Berat Tul                         | 0,617                                | Kg/m    |           |   |            |                   |      |        |      |       |  |
|     | jumlah besi                       | 26,00                                | Bh      |           |   |            |                   |      |        |      |       |  |
|     | Panjang Besi 1 Luasan             | 35,10                                | m       |           |   |            |                   |      |        |      |       |  |
|     | Total Luasan                      | 1,00                                 | Bh      |           |   |            |                   |      |        |      |       |  |
|     | Total Panjang Besi 1 Luasan       | 35,10                                | m       |           |   |            |                   |      |        |      |       |  |
|     | Berat Total Besi X                | 21,66                                | Kg      |           |   |            |                   |      |        |      |       |  |
|     | 2. Pembesian Y                    |                                      |         |           |   |            |                   |      |        |      |       |  |
|     | Panjang (a)                       | 4,00                                 | m       |           |   |            |                   |      |        |      |       |  |
|     | Panjang Total                     | 4,00                                 | m       |           |   |            |                   |      |        |      |       |  |
|     | Jarak Tulangan                    | 0,15                                 | m       |           |   |            |                   |      |        |      |       |  |
|     | Ukuran Besi                       | 0,010                                | m       |           |   |            |                   |      |        |      |       |  |
|     | Berat Tul                         | 0,617                                | Kg/m    |           |   |            |                   |      |        |      |       |  |
|     | jumlah besi                       | 9,00                                 | Bh      |           |   |            |                   |      |        |      |       |  |
|     | Panjang Besi 1 Luasan             | 36,00                                | m       |           |   |            |                   |      |        |      |       |  |
|     | Total Luasan                      | 1,00                                 | Bh      |           |   |            |                   |      |        |      |       |  |
|     | Total Panjang Besi 1 Luasan       | 36,00                                | m       |           |   |            |                   |      |        |      |       |  |
|     | Berat Total Besi Pembesian Y      | 22,21                                | Kg      |           |   |            |                   |      |        |      |       |  |

| NO. | URAIAN PEKERJAAN                     | URAIAN PERHITUNGAN |      |             |   |                        |                   | VOLUME                  | SAT.     |
|-----|--------------------------------------|--------------------|------|-------------|---|------------------------|-------------------|-------------------------|----------|
|     |                                      | Panjang (P)        |      | Lebar (L)   |   | Tinggi (T)             | Banyak Luasan (Q) | Total                   |          |
| 1   | 2                                    | 3                  |      | 4           |   | 5                      | 6                 | 7                       | 8        |
|     | 3. Pembesian Anak Tangga (Segitiga)  |                    |      |             |   |                        |                   |                         |          |
|     | Panjang (a) (Segitiga)               | 0,30               | m    |             |   |                        |                   |                         |          |
|     | Panjang (b) (Segitiga)               | 0,20               | m    |             |   |                        |                   |                         |          |
|     | Panjang Total                        | 0,50               | m    |             |   |                        |                   |                         |          |
|     | Jarak Tulangan                       | 0,10               | m    |             |   |                        |                   |                         |          |
|     | Ukuran Besi                          | 0,010              | m    |             |   |                        |                   |                         |          |
|     | Berat Tul                            | 0,617              | Kg/m |             |   |                        |                   |                         |          |
|     | jumlah besi                          | 13,00              | Bh   |             |   |                        |                   |                         |          |
|     | Panjang Besi 1 Luasan                | 6,50               | m    |             |   |                        |                   |                         |          |
|     | Total Luasan                         | 12,00              | Bh   |             |   |                        |                   |                         |          |
|     | Total Panjang Besi 1 Luasan          | 78,00              | m    |             |   |                        |                   |                         |          |
|     | Berat Total Besi Pembesian Y         | 48,13              | Kg   |             |   |                        |                   |                         |          |
|     | 4. Pembesian Anak Tangga (Memanjang) |                    |      |             |   |                        |                   |                         |          |
|     | Panjang (a)                          | 1,35               | m    |             |   |                        |                   |                         |          |
|     | Panjang Total                        | 1,35               | m    |             |   |                        |                   |                         |          |
|     | Jarak Tulangan                       | 0,00               | m    |             |   |                        |                   |                         |          |
|     | Ukuran Besi                          | 0,010              | m    |             |   |                        |                   |                         |          |
|     | Berat Tul                            | 0,617              | Kg/m |             |   |                        |                   |                         |          |
|     | jumlah besi                          | 12,00              | Bh   |             |   |                        |                   |                         |          |
|     | Panjang Besi 1 Luasan                | 16,20              | m    |             |   |                        |                   |                         |          |
|     | Total Luasan                         | 1,00               | Bh   |             |   |                        |                   |                         |          |
|     | Total Panjang Besi 1 Luasan          | 16,20              | m    |             |   |                        |                   |                         |          |
|     | Berat Total Besi Pembesian Y         | 10,00              | Kg   |             |   |                        |                   |                         |          |
|     | Penulangan Tangga Bagian Bawah       | Pembesian X        | +    | Pembesian Y | + | Anak Tangga (Segitiga) | +                 | Anak Tangga (Memanjang) |          |
|     |                                      | 21,66              | +    | 22,21       | + | 48,13                  | +                 | 10,00                   | = 101,99 |
|     | Pembesian Plat Tangga Atas           |                    |      |             |   |                        |                   |                         |          |
|     | Lx                                   | 1,35               | m    |             |   |                        |                   |                         |          |
|     | Ly                                   | 2,60               | m    |             |   |                        |                   |                         |          |
|     | 1. Pembesian X                       |                    |      |             |   |                        |                   |                         |          |
|     | Panjang (a)                          | 1,35               | m    |             |   |                        |                   |                         |          |
|     | Panjang (b)                          | 0,00               | m    |             |   |                        |                   |                         |          |
|     | Panjang (c)                          | 0,00               | m    |             |   |                        |                   |                         |          |
|     | Panjang (d)                          | 0,00               | m    |             |   |                        |                   |                         |          |
|     | Panjang Total                        | 1,35               | m    |             |   |                        |                   |                         |          |
|     | Jarak Tulangan                       | 0,15               | m    |             |   |                        |                   |                         |          |
|     | Ukuran Besi                          | 0,010              | m    |             |   |                        |                   |                         |          |
|     | Berat Tul                            | 0,617              | Kg/m |             |   |                        |                   |                         |          |
|     | jumlah besi                          | 17,00              | Bh   |             |   |                        |                   |                         |          |
|     | Panjang Besi 1 Luasan                | 22,95              | m    |             |   |                        |                   |                         |          |
|     | Total Luasan                         | 1,00               | Bh   |             |   |                        |                   |                         |          |
|     | Total Panjang Besi 1 Luasan          | 22,95              | m    |             |   |                        |                   |                         |          |
|     | Berat Total Besi X                   | 14,16              | Kg   |             |   |                        |                   |                         |          |
|     | 2. Pembesian Y                       |                    |      |             |   |                        |                   |                         |          |
|     | Panjang (a)                          | 2,60               | m    |             |   |                        |                   |                         |          |
|     | Panjang (b)                          | 0,00               | m    |             |   |                        |                   |                         |          |
|     | Panjang (c)                          | 0,00               | m    |             |   |                        |                   |                         |          |
|     | Panjang (d)                          | 0,00               | m    |             |   |                        |                   |                         |          |
|     | Panjang Total                        | 2,60               | m    |             |   |                        |                   |                         |          |
|     | Jarak Tulangan                       | 0,15               | m    |             |   |                        |                   |                         |          |
|     | Ukuran Besi                          | 0,010              | m    |             |   |                        |                   |                         |          |
|     | Berat Tul                            | 0,617              | Kg/m |             |   |                        |                   |                         |          |
|     | jumlah besi                          | 9,00               | Bh   |             |   |                        |                   |                         |          |
|     | Panjang Besi 1 Luasan                | 23,40              | m    |             |   |                        |                   |                         |          |
|     | Total Luasan                         | 1,00               | Bh   |             |   |                        |                   |                         |          |
|     | Total Panjang Besi 1 Luasan          | 23,40              | m    |             |   |                        |                   |                         |          |
|     | Berat Total Besi Pembesian Y         | 14,44              | Kg   |             |   |                        |                   |                         |          |
|     | 3. Pembesian Anak Tangga (Segitiga)  |                    |      |             |   |                        |                   |                         |          |
|     | Panjang (a) (Segitiga)               | 0,30               | m    |             |   |                        |                   |                         |          |
|     | Panjang (b) (Segitiga)               | 0,20               | m    |             |   |                        |                   |                         |          |
|     | Panjang Total                        | 0,50               | m    |             |   |                        |                   |                         |          |
|     | Jarak Tulangan                       | 0,10               | m    |             |   |                        |                   |                         |          |
|     | Ukuran Besi                          | 0,010              | m    |             |   |                        |                   |                         |          |
|     | Berat Tul                            | 0,617              | Kg/m |             |   |                        |                   |                         |          |
|     | jumlah besi                          | 13,00              | Bh   |             |   |                        |                   |                         |          |
|     | Panjang Besi 1 Luasan                | 6,50               | m    |             |   |                        |                   |                         |          |
|     | Total Luasan                         | 10,00              | Bh   |             |   |                        |                   |                         |          |
|     | Total Panjang Besi 1 Luasan          | 65,00              | m    |             |   |                        |                   |                         |          |
|     | Berat Total Besi Pembesian Y         | 40,11              | Kg   |             |   |                        |                   |                         |          |

| NO. | URAIAN PEKERJAAN                     | URAIAN PERHITUNGAN |      |             |      |                        |   |                         | VOLUME | SAT.   |        |    |
|-----|--------------------------------------|--------------------|------|-------------|------|------------------------|---|-------------------------|--------|--------|--------|----|
|     |                                      | Panjang (P)        |      | Lebar (L)   |      | Tinggi (T)             |   | Banyak Luasan (Q)       |        |        |        |    |
| 1   | 2                                    | 3                  |      | 4           |      | 5                      |   | 6                       |        | 7      | 8      | 9  |
| 11  | 4. Pembesian Anak Tangga (Memanjang) |                    |      |             |      |                        |   |                         |        |        |        |    |
|     | Panjang (a)                          | 1,35               | m    |             |      |                        |   |                         |        |        |        |    |
|     | Panjang Total                        | 1,35               | m    |             |      |                        |   |                         |        |        |        |    |
|     | Jarak Tulangan                       | 0,00               | m    |             |      |                        |   |                         |        |        |        |    |
|     | Ukuran Besi                          | 0,010              | m    |             |      |                        |   |                         |        |        |        |    |
|     | Berat Tul                            | 0,617              | Kg/m |             |      |                        |   |                         |        |        |        |    |
|     | jumlah besi                          | 10,00              | Bh   |             |      |                        |   |                         |        |        |        |    |
|     | Panjang Besi 1 Luasan                | 13,50              | m    |             |      |                        |   |                         |        |        |        |    |
|     | Total Luasan                         | 1,00               | Bh   |             |      |                        |   |                         |        |        |        |    |
|     | Total Panjang Besi 1 Luasan          | 13,50              | m    |             |      |                        |   |                         |        |        |        |    |
|     | Berat Total Besi Pembesian Y         | 8,33               | Kg   |             |      |                        |   |                         |        |        |        |    |
|     | Penulangan Tangga Bagian Bawah       | Pembesian X        | +    | Pembesian Y | +    | Anak Tangga (Segitiga) | + | Anak Tangga (Memanjang) | =      | 77,03  |        |    |
|     |                                      | 14,16              | +    | 14,44       | +    | 40,11                  | + | 8,33                    | =      |        |        |    |
|     | Penulangan Tangga                    | Bagian Bawah       | +    | Bagian Atas |      |                        |   |                         | =      | 179,02 |        |    |
|     |                                      | 101,99             | +    | 77,03       |      |                        |   |                         | =      |        |        |    |
|     |                                      |                    |      |             |      |                        |   | Jumlah Total            | =      | 179,02 |        |    |
|     | Pek. Ringbalk                        | P                  |      |             |      | x                      |   | Q                       | =      |        | 104,17 | M' |
|     | Railing Tangga                       | 4,20               |      |             |      | x                      |   | 1,00                    | =      | 4,20   |        |    |
|     |                                      | 2,60               |      |             |      | x                      |   | 1,00                    | =      | 2,60   |        |    |
|     | WC                                   | 2,85               |      |             |      | x                      |   | 1,00                    | =      | 2,85   |        |    |
|     |                                      | 1,85               |      |             |      | x                      |   | 1,00                    | =      | 1,85   |        |    |
|     | Pagar Pembatas                       | 1,60               |      |             |      | x                      |   | 2,00                    | =      | 3,20   |        |    |
|     |                                      | 2,75               |      |             |      | x                      |   | 2,00                    | =      | 5,50   |        |    |
|     |                                      | 2,55               |      |             |      | x                      |   | 6,00                    | =      | 15,30  |        |    |
|     |                                      | 1,85               |      |             |      | x                      |   | 1,00                    | =      | 1,85   |        |    |
|     |                                      | 3,30               |      |             |      | x                      |   | 2,00                    | =      | 6,60   |        |    |
|     |                                      | 3,20               |      |             |      | x                      |   | 1,00                    | =      | 3,20   |        |    |
|     |                                      | 1,53               |      |             |      | x                      |   | 2,00                    | =      | 3,06   |        |    |
|     |                                      | 1,10               |      |             |      | x                      |   | 1,00                    | =      | 1,10   |        |    |
|     |                                      | 3,05               |      |             |      | x                      |   | 1,00                    | =      | 3,05   |        |    |
|     | Bagian Latei Selasar                 | 2,60               |      |             |      | x                      |   | 1,00                    | =      | 2,60   |        |    |
|     |                                      | 1,60               |      |             |      | x                      |   | 2,00                    | =      | 3,20   |        |    |
|     |                                      | 2,75               |      |             |      | x                      |   | 2,00                    | =      | 5,50   |        |    |
|     |                                      | 2,55               |      |             |      | x                      |   | 6,00                    | =      | 15,30  |        |    |
|     |                                      | 1,85               |      |             |      | x                      |   | 1,00                    | =      | 1,85   |        |    |
|     |                                      | 3,30               |      |             |      | x                      |   | 2,00                    | =      | 6,60   |        |    |
|     |                                      | 3,20               |      |             |      | x                      |   | 1,00                    | =      | 3,20   |        |    |
|     |                                      | 1,53               |      |             |      | x                      |   | 2,00                    | =      | 3,06   |        |    |
|     |                                      | 1,75               |      |             |      | x                      |   | 1,00                    | =      | 1,75   |        |    |
|     |                                      | 1,10               |      |             |      | x                      |   | 1,00                    | =      | 1,10   |        |    |
|     |                                      | 3,05               |      |             |      | x                      |   | 1,00                    | =      | 3,05   |        |    |
|     |                                      | 2,60               |      |             |      | x                      |   | 1,00                    | =      | 2,60   |        |    |
|     |                                      |                    |      |             |      |                        |   | Jumlah Total            | =      | 104,17 |        |    |
| B   | PEKERJAAN DINDING                    |                    |      |             |      |                        |   |                         |        |        |        |    |
| 1   | Pek. Pasang Dinding Bata Ringan      | P                  |      | x           | T    | x                      |   | Q                       | =      |        | 407,63 | M2 |
|     | R. kelas                             |                    |      |             |      |                        |   |                         |        |        |        |    |
|     | Arah x                               | 2,45               |      | x           | 3,40 | x                      |   | 12,00                   | =      | 99,96  |        |    |
|     |                                      | 1,75               |      | x           | 3,40 | x                      |   | 2,00                    | =      | 11,90  |        |    |
|     |                                      | 3,20               |      | x           | 3,40 | x                      |   | 2,00                    | =      | 21,76  |        |    |
|     |                                      | 3,10               |      | x           | 3,40 | x                      |   | 2,00                    | =      | 21,08  |        |    |
|     |                                      | 1,65               |      | x           | 3,40 | x                      |   | 2,00                    | =      | 11,22  |        |    |
|     |                                      | 2,65               |      | x           | 3,40 | x                      |   | 2,00                    | =      | 18,02  |        |    |
|     |                                      | 2,50               |      | x           | 3,40 | x                      |   | 2,00                    | =      | 17,00  |        |    |
|     | Arah Y                               | 3,10               |      | x           | 3,40 | x                      |   | 10,00                   | =      | 105,40 |        |    |
|     | Diatas R. Guru                       |                    |      |             |      |                        |   |                         |        |        |        |    |
|     | Arah x                               | 3,20               |      | x           | 3,65 | x                      |   | 1,00                    | =      | 11,68  |        |    |
|     |                                      | 3,10               |      | x           | 3,65 | x                      |   | 1,00                    | =      | 11,32  |        |    |
|     |                                      | 1,10               |      | x           | 3,65 | x                      |   | 2,00                    | =      | 8,03   |        |    |
|     |                                      | 3,05               |      | x           | 3,65 | x                      |   | 2,00                    | =      | 22,27  |        |    |
|     |                                      | 3,30               |      | x           | 3,65 | x                      |   | 2,00                    | =      | 24,09  |        |    |
|     | Area WC Bordes 1                     | 3,10               |      | x           | 2,10 | x                      |   | 2,00                    | =      | 13,02  |        |    |
|     |                                      | 1,25               |      | x           | 2,10 | x                      |   | 4,00                    | =      | 10,50  |        |    |
|     | Bagian Pembatas WC Bordes 1          | 1,85               |      | x           | 2,20 | x                      |   | 1,00                    | =      | 4,07   |        |    |
|     | Area Pintu WC Bordes 1               | 1,35               |      | x           | 2,20 | x                      |   | 2,00                    | =      | 5,94   |        |    |
|     | WC Bordes 2                          | 1,25               |      | x           | 1,00 | x                      |   | 4,00                    | =      | 5,00   |        |    |
|     |                                      | 1,70               |      | x           | 1,00 | x                      |   | 2,00                    | =      | 3,40   |        |    |
|     | Railing Tangga                       | 4,20               |      | x           | 1,10 | x                      |   | 1,00                    | =      | 4,62   |        |    |
|     |                                      | 2,60               |      | x           | 1,10 | x                      |   | 1,00                    | =      | 2,86   |        |    |
|     | Pagar Pembatas                       | 1,60               |      | x           | 1,10 | x                      |   | 2,00                    | =      | 3,52   |        |    |
|     |                                      | 2,75               |      | x           | 1,10 | x                      |   | 2,00                    | =      | 6,05   |        |    |
|     |                                      | 2,55               |      | x           | 1,10 | x                      |   | 6,00                    | =      | 16,83  |        |    |
|     |                                      | 1,85               |      | x           | 1,10 | x                      |   | 1,00                    | =      | 2,04   |        |    |
|     |                                      | 3,30               |      | x           | 1,10 | x                      |   | 2,00                    | =      | 7,26   |        |    |
|     |                                      | 3,20               |      | x           | 1,10 | x                      |   | 1,00                    | =      | 3,52   |        |    |
|     |                                      | 1,53               |      | x           | 1,10 | x                      |   | 2,00                    | =      | 3,37   |        |    |
|     |                                      | 1,10               |      | x           | 1,10 | x                      |   | 1,00                    | =      | 1,21   |        |    |
|     |                                      | 3,05               |      | x           | 1,10 | x                      |   | 1,00                    | =      | 3,36   |        |    |
|     |                                      | 2,60               |      | x           | 1,10 | x                      |   | 1,00                    | =      | 2,86   |        |    |

| NO.                       | URAIAN PEKERJAAN                      | URAIAN PERHITUNGAN  |              |           |      |              |                   |              | VOLUME | SAT.   |        |    |      |   |        |    |        |
|---------------------------|---------------------------------------|---------------------|--------------|-----------|------|--------------|-------------------|--------------|--------|--------|--------|----|------|---|--------|----|--------|
|                           |                                       | Panjang (P)         |              | Lebar (L) |      | Tinggi (T)   | Banyak Luasan (Q) |              |        |        | Total  |    |      |   |        |    |        |
| 1                         | 2                                     | 3                   |              | 4         |      | 5            |                   | 6            |        | 7      |        | 8  | 9    |   |        |    |        |
|                           | Bagian Latei Selasar                  | 1,60                |              | x         | 0,20 | x            | 2,00              | =            | 0,64   |        |        |    |      |   |        |    |        |
|                           |                                       | 2,75                |              | x         | 0,20 | x            | 2,00              | =            | 1,10   |        |        |    |      |   |        |    |        |
|                           |                                       | 2,55                |              | x         | 0,20 | x            | 6,00              | =            | 3,06   |        |        |    |      |   |        |    |        |
|                           |                                       | 1,85                |              | x         | 0,20 | x            | 1,00              | =            | 0,37   |        |        |    |      |   |        |    |        |
|                           |                                       | 3,30                |              | x         | 0,20 | x            | 2,00              | =            | 1,32   |        |        |    |      |   |        |    |        |
|                           |                                       | 3,20                |              | x         | 0,20 | x            | 1,00              | =            | 0,64   |        |        |    |      |   |        |    |        |
|                           |                                       | 1,53                |              | x         | 0,20 | x            | 2,00              | =            | 0,61   |        |        |    |      |   |        |    |        |
|                           |                                       | 1,75                |              | x         | 0,20 | x            | 1,00              | =            | 0,35   |        |        |    |      |   |        |    |        |
|                           |                                       | 1,10                |              | x         | 0,20 | x            | 1,00              | =            | 0,22   |        |        |    |      |   |        |    |        |
|                           |                                       | 3,05                |              | x         | 0,20 | x            | 1,00              | =            | 0,61   |        |        |    |      |   |        |    |        |
|                           |                                       | 2,60                |              | x         | 0,20 | x            | 1,00              | =            | 0,52   |        |        |    |      |   |        |    |        |
|                           | Pengurangan Pintu DII                 |                     |              |           |      |              |                   |              |        |        |        |    |      |   |        |    |        |
|                           | Pintu R. Kelas                        | 1,32                |              | x         | 2,60 | x            | 5,00              | =            | -17,16 |        |        |    |      |   |        |    |        |
|                           | J2                                    | 1,50                |              | x         | 1,45 | x            | 2,00              | =            | -4,35  |        |        |    |      |   |        |    |        |
|                           | J3                                    | 2,14                |              | x         | 1,45 | x            | 19,00             | =            | -58,96 |        |        |    |      |   |        |    |        |
|                           | Pintu Toilet                          | 0,80                |              | x         | 2,05 | x            | 2,00              | =            | -3,28  |        |        |    |      |   |        |    |        |
|                           | Rooster                               | 1,00                |              | x         | 0,60 | x            | 2,00              | =            | -1,20  |        |        |    |      |   |        |    |        |
|                           |                                       |                     |              |           |      |              | Jumlah Total      | =            | 407,63 |        |        |    |      |   |        |    |        |
|                           | 2                                     | Pek. Pasang Rooster | P            |           | x    | T            | x                 | Q            |        |        |        |    |      | = | 1,20   | M2 |        |
|                           |                                       |                     | 1,00         |           | x    | 0,60         | x                 | 2,00         | =      |        |        |    | 1,20 |   |        |    |        |
|                           |                                       |                     |              |           |      |              |                   | Jumlah Total | =      |        |        |    | 1,20 |   |        |    |        |
|                           | 3                                     | Pek. Plesteran      | P            |           | x    | T            | x                 | Q            |        |        |        |    |      | = | 983,94 | M2 |        |
|                           |                                       |                     | Bagian Dalam |           |      |              |                   |              |        |        |        |    |      |   |        |    |        |
|                           |                                       |                     | R. kelas     |           |      |              |                   |              |        |        |        |    |      |   |        |    |        |
|                           |                                       |                     | Arah x       | 8,30      |      | x            | 3,40              | x            | 4,00   |        |        |    | =    |   |        |    | 112,88 |
|                           |                                       |                     | 8,35         |           | x    | 3,40         | x                 | 4,00         | =      | 113,56 |        |    |      |   |        |    |        |
| Arah y                    |                                       |                     | 6,95         |           | x    | 3,40         | x                 | 8,00         | =      | 189,04 |        |    |      |   |        |    |        |
| Toilet                    |                                       |                     |              |           |      |              |                   |              |        |        |        |    |      |   |        |    |        |
| Arah x                    |                                       |                     | 1,35         |           | x    | 1,15         | x                 | 4,00         | =      | 6,21   |        |    |      |   |        |    |        |
| Arah y                    |                                       |                     | 1,85         |           | x    | 1,15         | x                 | 4,00         | =      | 8,51   |        |    |      |   |        |    |        |
| Diatas R. Guru            |                                       |                     |              |           |      |              |                   |              |        |        |        |    |      |   |        |    |        |
| Arah x                    |                                       |                     | 6,95         |           | x    | 3,65         | x                 | 1,00         | =      | 25,37  |        |    |      |   |        |    |        |
| Arah y                    |                                       |                     | 8,03         |           | x    | 3,65         | x                 | 2,00         | =      | 58,62  |        |    |      |   |        |    |        |
| Bagian Luar               |                                       |                     |              |           |      |              |                   |              |        |        |        |    |      |   |        |    |        |
| R. Kelas                  |                                       |                     |              |           |      |              |                   |              |        |        |        |    |      |   |        |    |        |
| Depan                     |                                       |                     | 34,30        |           | x    | 3,40         | x                 | 1,00         | =      | 116,62 |        |    |      |   |        |    |        |
| Belakang                  |                                       |                     | 37,30        |           | x    | 3,90         | x                 | 1,00         | =      | 145,47 |        |    |      |   |        |    |        |
| Samping                   |                                       |                     | 7,55         |           | x    | 3,90         | x                 | 2,00         | =      | 58,89  |        |    |      |   |        |    |        |
| Tangga                    |                                       |                     | 5,25         |           | x    | 3,90         | x                 | 2,00         | =      | 40,95  |        |    |      |   |        |    |        |
| Depan WC                  |                                       |                     | 2,85         |           | x    | 2,40         | x                 | 1,00         | =      | 6,84   |        |    |      |   |        |    |        |
| Diatas R. Guru            |                                       |                     |              |           |      |              |                   |              |        |        |        |    |      |   |        |    |        |
| Depan                     |                                       |                     | 8,03         |           | x    | 3,65         | x                 | 1,00         | =      | 29,31  |        |    |      |   |        |    |        |
| Belakang                  |                                       |                     | 8,03         |           | x    | 3,65         | x                 | 1,00         | =      | 29,31  |        |    |      |   |        |    |        |
| Samping                   |                                       |                     | 6,95         |           | x    | 3,65         | x                 | 1,00         | =      | 25,37  |        |    |      |   |        |    |        |
| Railing Tangga            |                                       |                     |              |           |      |              |                   |              |        |        |        |    |      |   |        |    |        |
| Luasan 1                  |                                       |                     | 4,20         |           | x    | 1,30         | x                 | 2,00         | =      | 10,92  |        |    |      |   |        |    |        |
| Luasan 2                  |                                       |                     | 2,60         |           | x    | 1,30         | x                 | 2,00         | =      | 6,76   |        |    |      |   |        |    |        |
| Pagar Pembatas            |                                       |                     |              |           |      |              |                   |              |        |        |        |    |      |   |        |    |        |
| Bagian Dalam              |                                       |                     |              |           |      |              |                   |              |        |        |        |    |      |   |        |    |        |
|                           |                                       |                     | 1,60         |           | x    | 1,30         | x                 | 2,00         | =      | 4,16   |        |    |      |   |        |    |        |
|                           |                                       |                     | 15,06        |           | x    | 1,30         | x                 | 1,00         | =      | 19,58  |        |    |      |   |        |    |        |
|                           |                                       |                     | 1,75         |           | x    | 1,30         | x                 | 1,00         | =      | 2,28   |        |    |      |   |        |    |        |
|                           |                                       |                     | 10,45        |           | x    | 1,30         | x                 | 1,00         | =      | 13,59  |        |    |      |   |        |    |        |
|                           |                                       |                     | 20,05        |           | x    | 1,30         | x                 | 1,00         | =      | 26,07  |        |    |      |   |        |    |        |
| Bagian Luar + Latei lt. 1 |                                       |                     | 1,60         |           | x    | 2,05         | x                 | 2,00         | =      | 6,56   |        |    |      |   |        |    |        |
|                           |                                       |                     | 15,06        |           | x    | 2,05         | x                 | 1,00         | =      | 30,87  |        |    |      |   |        |    |        |
|                           | 1,75                                  |                     | x            | 2,05      | x    | 1,00         | =                 | 3,59         |        |        |        |    |      |   |        |    |        |
|                           | 10,45                                 |                     | x            | 2,05      | x    | 1,00         | =                 | 21,42        |        |        |        |    |      |   |        |    |        |
|                           | 20,05                                 |                     | x            | 2,05      | x    | 1,00         | =                 | 41,10        |        |        |        |    |      |   |        |    |        |
| Pengurangan               |                                       |                     |              |           |      |              |                   |              |        |        |        |    |      |   |        |    |        |
| Pintu R. Kelas            | 1,32                                  |                     | x            | 2,60      | x    | 10,00        | =                 | -34,32       |        |        |        |    |      |   |        |    |        |
| J2                        | 1,50                                  |                     | x            | 1,45      | x    | 4,00         | =                 | -8,70        |        |        |        |    |      |   |        |    |        |
| J3                        | 2,14                                  |                     | x            | 1,45      | x    | 38,00        | =                 | -117,91      |        |        |        |    |      |   |        |    |        |
| Pintu Toilet              | 0,80                                  |                     | x            | 2,05      | x    | 4,00         | =                 | -6,56        |        |        |        |    |      |   |        |    |        |
| Rooster                   | 1,00                                  |                     | x            | 0,60      | x    | 4,00         | =                 | -2,40        |        |        |        |    |      |   |        |    |        |
|                           |                                       |                     |              |           |      | Jumlah Total | =                 | 983,94       |        |        |        |    |      |   |        |    |        |
| 4                         | Pek. Acian                            |                     |              |           |      |              |                   |              |        | =      | 983,94 | M2 |      |   |        |    |        |
| C                         | PEKERJAAN KUSEN, PINTU DAN TERALIS    |                     |              |           |      |              |                   |              |        |        |        |    |      |   |        |    |        |
| 1                         | Pek. Kusen Pintu dan Jendela Uk. 5/10 | P                   |              |           |      | x            | Q                 |              |        | =      | 282,00 | M' |      |   |        |    |        |
|                           | Pintu R. Kelas                        | 8,05                |              |           |      | x            | 5,00              | =            | 40,25  |        |        |    |      |   |        |    |        |
|                           | J2                                    | 8,25                |              |           |      | x            | 2,00              | =            | 16,50  |        |        |    |      |   |        |    |        |
|                           | J3                                    | 11,35               |              |           |      | x            | 19,00             | =            | 215,65 |        |        |    |      |   |        |    |        |
|                           | Pintu WC                              | 4,80                |              |           |      | x            | 2,00              | =            | 9,60   |        |        |    |      |   |        |    |        |
|                           |                                       |                     |              |           |      | Jumlah Total | =                 | 282,00       |        |        |        |    |      |   |        |    |        |

| NO.    | URAIAN PEKERJAAN                                            |                      | URAIAN PERHITUNGAN |   |              |   |            |   |                   | VOLUME | SAT.   |    |
|--------|-------------------------------------------------------------|----------------------|--------------------|---|--------------|---|------------|---|-------------------|--------|--------|----|
|        |                                                             |                      | Panjang (P)        |   | Lebar (L)    |   | Tinggi (T) |   | Banyak Luasan (Q) | Total  |        |    |
| 1      | 2                                                           |                      | 3                  |   | 4            |   | 5          |   | 6                 | 7      | 8      | 9  |
| 2      | Pek. Pintu Kayu Benuas                                      |                      |                    |   | L            | x | T          | x | Q                 | =      | 15,10  | M2 |
|        |                                                             | Pintu R. Kelas       |                    |   | 0,60         | x | 2,05       | x | 10,00             | =      |        |    |
|        |                                                             | Pintu WC             |                    |   | 0,70         | x | 2,00       | x | 2,00              | =      |        |    |
|        |                                                             |                      |                    |   |              |   |            |   | Jumlah Total      | =      |        |    |
| 3      | Pek. Daun Jendela                                           |                      |                    |   | L            | x | T          | x | Q                 | =      | 23,21  | M2 |
|        |                                                             | J2                   |                    |   | 0,65         | x | 0,85       | x | 4,00              | =      |        |    |
|        |                                                             | J3                   |                    |   | 0,65         | x | 0,85       | x | 38,00             | =      |        |    |
|        |                                                             |                      |                    |   |              |   |            |   | Jumlah Total      | =      |        |    |
| 4      | Pek. Pemasangan Kaca 5 mm                                   |                      |                    |   | L            | x | T          | x | Q                 | =      | 43,04  | M2 |
|        |                                                             | Pintu R. Kelas       |                    |   | 0,55         | x | 0,45       | x | 10,00             | =      |        |    |
|        |                                                             | Jendela              |                    |   |              |   |            |   |                   |        |        |    |
|        |                                                             | J2                   |                    |   |              |   |            |   |                   |        |        |    |
|        |                                                             | Bagian Atas (Mati)   |                    |   | 0,65         | x | 0,85       | x | 4,00              | =      |        |    |
|        |                                                             | Bagian Bawah (Hidup) |                    |   | 0,50         | x | 0,65       | x | 4,00              | =      |        |    |
|        |                                                             | J3                   |                    |   |              |   |            |   |                   |        |        |    |
|        |                                                             | Bagian Atas (Mati)   |                    |   | 0,65         | x | 0,45       | x | 38,00             | =      |        |    |
|        |                                                             |                      |                    |   | 0,55         | x | 0,45       | x | 19,00             | =      |        |    |
|        |                                                             | Bagian Bawah (Hidup) |                    |   | 0,50         | x | 0,65       | x | 38,00             | =      |        |    |
|        |                                                             | Bagian Bawah (Mati)  |                    |   | 0,55         | x | 0,85       | x | 19,00             | =      |        |    |
|        |                                                             |                      |                    |   |              |   |            |   | Jumlah Total      | =      |        |    |
| 5      | Pek. Pasang Kunci Tanam Pintu                               |                      |                    |   |              |   |            |   |                   | =      | 7,00   | Bh |
| 6      | Pek. Pasang Engsel Pintu 5"                                 |                      | Jlh. Pintu         | x | Jlh. Engsel  |   |            |   |                   | =      | 36,00  | Bh |
|        |                                                             | Pintu Utama          | 10,00              | x | 3,00         |   |            |   |                   | =      |        |    |
|        |                                                             | Pintu Toilet         | 2,00               | x | 3,00         |   |            |   |                   | =      |        |    |
|        |                                                             |                      |                    |   |              |   |            |   | Jumlah Total      | =      |        |    |
| 7      | Pek. Engsel Jendela                                         |                      | Jlh. Jendela       | x | Jlh. Engsel  |   |            |   |                   | =      | 84,00  | Bh |
|        |                                                             | J2                   | 4,00               | x | 2,00         |   |            |   |                   | =      |        |    |
|        |                                                             | J3                   | 38,00              | x | 2,00         |   |            |   |                   | =      |        |    |
|        |                                                             |                      |                    |   |              |   |            |   | Jumlah Total      | =      |        |    |
| 8      | Pek. Kait Angin                                             |                      | Jlh. Jendela       | x | Jlh. Kait    |   |            |   |                   | =      | 84,00  | Bh |
|        |                                                             | J2                   | 4,00               | x | 2,00         |   |            |   |                   | =      |        |    |
|        |                                                             | J3                   | 38,00              | x | 2,00         |   |            |   |                   | =      |        |    |
|        |                                                             |                      |                    |   |              |   |            |   | Jumlah Total      | =      |        |    |
| 9      | Pek. Pemasangan Grendel Jendela                             |                      | Jlh. Jendela       | x | Jlh. Grendel |   |            |   |                   | =      | 42,00  | Bh |
|        |                                                             | J2                   | 4,00               | x | 1,00         |   |            |   |                   | =      |        |    |
|        |                                                             | J3                   | 38,00              | x | 1,00         |   |            |   |                   | =      |        |    |
|        |                                                             |                      |                    |   |              |   |            |   | Jumlah Total      | =      |        |    |
| 10     | Pek. Pemasangan Grendel Pintu                               |                      | Jlh. Pintu         | x | Jlh. Grendel |   |            |   |                   | =      | 12,00  | Bh |
|        |                                                             | Pintu Utama          | 10,00              | x | 1,00         |   |            |   |                   | =      |        |    |
|        |                                                             | Pintu Toilet         | 2,00               | x | 1,00         |   |            |   |                   | =      |        |    |
|        |                                                             |                      |                    |   |              |   |            |   | Jumlah Total      | =      |        |    |
| 11     | Pek. Pembuatan dan Pemasangan Hand Railing & Pagar Pembatas |                      | P                  |   |              |   |            | x | Q                 | =      | 59,06  | M' |
|        |                                                             | Railing Tangga       | 4,20               |   |              |   |            | x | 2,00              | =      |        |    |
|        |                                                             |                      | 2,60               |   |              |   |            | x | 2,00              | =      |        |    |
|        |                                                             |                      | 1,60               |   |              |   |            | x | 2,00              | =      |        |    |
|        |                                                             |                      | 2,75               |   |              |   |            | x | 2,00              | =      |        |    |
|        |                                                             |                      | 2,55               |   |              |   |            | x | 6,00              | =      |        |    |
|        |                                                             |                      | 1,85               |   |              |   |            | x | 1,00              | =      |        |    |
|        |                                                             |                      | 3,30               |   |              |   |            | x | 2,00              | =      |        |    |
|        |                                                             |                      | 3,20               |   |              |   |            | x | 1,00              | =      |        |    |
|        |                                                             |                      | 1,53               |   |              |   |            | x | 2,00              | =      |        |    |
|        |                                                             |                      | 1,10               |   |              |   |            | x | 1,00              | =      |        |    |
|        |                                                             |                      | 3,05               |   |              |   |            | x | 1,00              | =      |        |    |
|        |                                                             |                      | 2,60               |   |              |   |            | x | 1,00              | =      |        |    |
|        |                                                             |                      |                    |   |              |   |            |   | Jumlah Total      | =      |        |    |
| 12     | Pek. Pembuatan dan Pemasangan Teralis                       |                      | P                  | x | L            |   |            | x | Q                 | =      | 45,24  | M2 |
|        |                                                             | J2                   | 1,50               | x | 1,45         |   |            | x | 18,00             | =      |        |    |
|        |                                                             | J3                   | 2,10               | x | 1,45         |   |            | x | 2,00              | =      |        |    |
|        |                                                             |                      |                    |   |              |   |            |   | Jumlah Total      | =      |        |    |
| D<br>1 | PEKERJAAN LANTAI<br>Pek. Pasang Keramik 60x60               |                      | P                  | x | L            |   |            | x | Q                 | =      | 387,73 | M2 |
|        |                                                             | R. Kelas             | 8,30               | x | 6,95         |   |            | x | 2,00              | =      |        |    |
|        |                                                             |                      | 8,35               | x | 6,95         |   |            | x | 2,00              | =      |        |    |
|        |                                                             | Diatas R. Guru       | 6,95               | x | 8,00         |   |            | x | 1,00              | =      |        |    |
|        |                                                             | Selasar              | 36,80              | x | 1,85         |   |            | x | 1,00              | =      |        |    |
|        |                                                             |                      | 1,85               | x | 10,35        |   |            | x | 1,00              | =      |        |    |
|        |                                                             | Anak Tangga          | 1,20               | x | 0,30         |   |            | x | 18,00             | =      |        |    |
|        |                                                             |                      | 1,20               | x | 0,15         |   |            | x | 19,00             | =      |        |    |
|        |                                                             | Bordes               | 2,85               | x | 1,25         |   |            | x | 1,00              | =      |        |    |
|        |                                                             |                      |                    |   |              |   |            |   | Jumlah Total      | =      |        |    |
| 2      | Pek. Pasang Plint Keramik 8x60                              |                      | P                  | + | L            |   |            | x | Q                 | =      | 234,60 | M' |
|        |                                                             | R. Kelas             | 8,30               | + | 6,95         |   |            | x | 4,00              | =      |        |    |
|        |                                                             |                      | 8,35               | + | 6,95         |   |            | x | 4,00              | =      |        |    |
|        |                                                             | Diatas R. Guru       | 6,95               | + | 8,00         |   |            | x | 2,00              | =      |        |    |
|        |                                                             | Selasar              |                    |   |              |   |            |   |                   |        |        |    |
|        |                                                             | Dinding R. Kelas     | 34,10              |   |              |   |            | x | 1,00              | =      |        |    |
|        |                                                             | Dinding Pembatas     | 36,80              |   |              |   |            | x | 1,00              | =      |        |    |
|        |                                                             |                      | 1,85               |   |              |   |            | x | 2,00              | =      |        |    |
|        |                                                             | Diatas R. Guru       | 10,45              |   |              |   |            | x | 2,00              | =      |        |    |
|        |                                                             | Pengurangan          |                    |   |              |   |            |   |                   |        |        |    |
|        |                                                             | Pintu R. Kelas       | 1,30               |   |              |   |            | x | 10,00             | =      |        |    |
|        |                                                             |                      |                    |   |              |   |            |   | Jumlah Total      | =      |        |    |

| NO. | URAIAN PEKERJAAN                  | URAIAN PERHITUNGAN |   |           |   |            |                   |              | VOLUME | SAT.   |        |    |
|-----|-----------------------------------|--------------------|---|-----------|---|------------|-------------------|--------------|--------|--------|--------|----|
|     |                                   | Panjang (P)        |   | Lebar (L) |   | Tinggi (T) | Banyak Luasan (Q) |              |        |        | Total  |    |
| 1   | 2                                 | 3                  |   | 4         |   | 5          |                   | 6            |        | 7      | 8      | 9  |
| 3   | Pek. Pasang Keramik 25x25 Kasar   | P                  | x | L         |   |            | x                 | Q            |        | =      | 3,11   | M2 |
|     | WC Bordes 1                       | 1,85               | x | 1,35      |   |            | x                 | 2,00         | =      | 5,00   |        |    |
|     | Pengurangan Kloset dan Bak        | 0,70               | x | 1,35      |   |            | x                 | 2,00         | =      | -1,89  |        |    |
|     |                                   |                    |   |           |   |            |                   | Jumlah Total | =      | 3,11   |        |    |
| 4   | Pek. Pasang Keramik Dinding 25x40 | P                  |   |           | x | T          | x                 | Q            |        | =      | 13,44  | M2 |
|     | WC                                | 1,85               |   |           | x | 1,20       | x                 | 4,00         | =      | 8,88   |        |    |
|     |                                   | 1,35               |   |           | x | 1,20       | x                 | 4,00         | =      | 6,48   |        |    |
|     | Pengurangan Pintu Toilet          | 0,80               |   |           | x | 1,20       | x                 | 2,00         | =      | -1,92  |        |    |
|     |                                   |                    |   |           |   |            |                   | Jumlah Total | =      | 13,44  |        |    |
| E   | PEKERJAAN PLAFOND                 |                    |   |           |   |            |                   |              |        |        |        |    |
| 1   | Pek. Rangka Plafond Hollow        | P                  | x | L         |   |            | x                 | Q            |        | =      | 374,26 | M2 |
|     | R Kelas                           | 8,30               | x | 6,95      |   |            | x                 | 2,00         | =      | 115,37 |        |    |
|     |                                   | 8,35               | x | 6,95      |   |            | x                 | 2,00         | =      | 116,07 |        |    |
|     | Diatas R. Guru                    | 6,95               | x | 8,00      |   |            | x                 | 1,00         | =      | 55,60  |        |    |
|     | Selasar                           | 36,80              | x | 1,85      |   |            | x                 | 1,00         | =      | 68,08  |        |    |
|     |                                   | 1,85               | x | 10,35     |   |            | x                 | 1,00         | =      | 19,15  |        |    |
|     |                                   |                    |   |           |   |            |                   | Jumlah Total | =      | 374,26 |        |    |
| 2   | Pek. Plafond PVC                  |                    |   |           |   |            |                   |              |        | =      | 374,26 | M2 |
| 3   | Pek. List PVC                     | P                  | + | L         |   |            | x                 | Q            |        | =      | 253,80 | M' |
|     | R Kelas                           | 8,30               | + | 6,95      |   |            | x                 | 4,00         | =      | 61,00  |        |    |
|     |                                   | 8,35               | + | 6,95      |   |            | x                 | 4,00         | =      | 61,20  |        |    |
|     | Diatas R. Guru                    | 6,95               | + | 8,00      |   |            | x                 | 2,00         | =      | 29,90  |        |    |
|     | Selasar                           | 36,80              | + | 1,85      |   |            | x                 | 2,00         | =      | 77,30  |        |    |
|     |                                   | 1,85               | + | 10,35     |   |            | x                 | 2,00         | =      | 24,40  |        |    |
|     |                                   |                    |   |           |   |            |                   | Jumlah Total | =      | 253,80 |        |    |
| F   | PEKERJAAN PENGECATAN              |                    |   |           |   |            |                   |              |        |        |        |    |
| 1   | Pek. Pengecatan Dinding Interior  | P                  | x | T         |   |            | x                 | Q            |        | =      | 418,42 | M2 |
|     | R Kelas                           | 8,30               | x | 3,20      |   |            | x                 | 4,00         | =      | 106,24 |        |    |
|     |                                   | 8,35               | x | 3,20      |   |            | x                 | 4,00         | =      | 106,88 |        |    |
|     |                                   | 6,95               | x | 3,20      |   |            | x                 | 8,00         | =      | 177,92 |        |    |
|     | Diatas R. Guru                    | 6,95               | x | 3,35      |   |            | x                 | 2,00         | =      | 46,57  |        |    |
|     |                                   | 8,00               | x | 3,35      |   |            | x                 | 2,00         | =      | 53,60  |        |    |
|     | WC                                | 1,35               | x | 0,95      |   |            | x                 | 4,00         | =      | 5,13   |        |    |
|     |                                   | 1,85               | x | 0,95      |   |            | x                 | 4,00         | =      | 7,03   |        |    |
|     | Pengurangan Pintu R. Kelas        | 1,32               | x | 2,60      |   |            | x                 | 5,00         | =      | -17,16 |        |    |
|     | J2                                | 1,50               | x | 1,45      |   |            | x                 | 2,00         | =      | -4,35  |        |    |
|     | J3                                | 2,14               | x | 1,45      |   |            | x                 | 19,00        | =      | -58,96 |        |    |
|     | Pintu Toilet                      | 0,80               | x | 2,05      |   |            | x                 | 2,00         | =      | -3,28  |        |    |
|     | Rooster                           | 1,00               | x | 0,60      |   |            | x                 | 2,00         | =      | -1,20  |        |    |
|     |                                   |                    |   |           |   |            |                   | Jumlah Total | =      | 418,42 |        |    |
| 2   | Pek. Pengecatan Dinding Eksterior | P                  | x | T         |   |            | x                 | Q            |        | =      | 336,13 | M2 |
|     | R Kelas                           |                    |   |           |   |            | x                 |              |        |        |        |    |
|     | Depan                             | 34,30              | x | 3,20      |   |            | x                 | 1,00         | =      | 109,76 |        |    |
|     | Belakang                          | 2,20               | x | 3,15      |   |            | x                 | 4,00         | =      | 27,72  |        |    |
|     |                                   | 2,25               | x | 3,15      |   |            | x                 | 3,00         | =      | 21,26  |        |    |
|     |                                   | 2,40               | x | 3,15      |   |            | x                 | 2,00         | =      | 15,12  |        |    |
|     |                                   | 2,80               | x | 3,15      |   |            | x                 | 1,00         | =      | 8,82   |        |    |
|     |                                   | 2,95               | x | 3,15      |   |            | x                 | 1,00         | =      | 9,29   |        |    |
|     |                                   | 1,50               | x | 3,15      |   |            | x                 | 1,00         | =      | 4,73   |        |    |
|     | Kanan                             | 7,55               | x | 3,15      |   |            | x                 | 1,00         | =      | 23,78  |        |    |
|     | Bagian Tangga                     | 5,25               | x | 3,20      |   |            | x                 | 2,00         | =      | 33,60  |        |    |
|     | Depan WC                          | 2,85               | x | 2,20      |   |            | x                 | 1,00         | =      | 6,27   |        |    |
|     | Diatas R. Guru                    |                    |   |           |   |            |                   |              |        |        |        |    |
|     | Depan                             | 8,30               | x | 4,00      |   |            | x                 | 1,00         | =      | 33,20  |        |    |
|     | Belakang                          | 8,30               | x | 4,00      |   |            | x                 | 1,00         | =      | 33,20  |        |    |
|     | Samping                           | 7,35               | x | 3,90      |   |            | x                 | 1,00         | =      | 28,67  |        |    |
|     | Pagar Pembatas                    |                    |   |           |   |            |                   |              |        |        |        |    |
|     | Bagian Dalam                      | 1,60               | x | 1,30      |   |            | x                 | 2,00         | =      | 4,16   |        |    |
|     |                                   | 15,06              | x | 1,30      |   |            | x                 | 1,00         | =      | 19,58  |        |    |
|     |                                   | 1,75               | x | 1,30      |   |            | x                 | 1,00         | =      | 2,28   |        |    |
|     |                                   | 10,45              | x | 1,30      |   |            | x                 | 1,00         | =      | 13,59  |        |    |
|     |                                   | 20,05              | x | 1,30      |   |            | x                 | 1,00         | =      | 26,07  |        |    |
|     | Pengurangan Pintu R. Kelas        | 1,32               | x | 2,60      |   |            | x                 | 5,00         | =      | -17,16 |        |    |
|     | J2                                | 1,50               | x | 1,45      |   |            | x                 | 2,00         | =      | -4,35  |        |    |
|     | J3                                | 2,14               | x | 1,45      |   |            | x                 | 19,00        | =      | -58,96 |        |    |
|     | Pintu Toilet                      | 0,80               | x | 2,05      |   |            | x                 | 2,00         | =      | -3,28  |        |    |
|     | Rooster                           | 1,00               | x | 0,60      |   |            | x                 | 2,00         | =      | -1,20  |        |    |
|     |                                   |                    |   |           |   |            |                   | Jumlah Total | =      | 336,13 |        |    |
| 3   | Pek. Pengecatan Kusen dan Pintu   | P                  | x | T         |   |            | x                 | Q            |        | =      | 72,50  | M2 |
|     | Kusen                             | 282,00             | x | 0,15      |   |            | x                 | 1,00         | =      | 42,30  |        |    |
|     | Pintu R. Kelas                    | 0,60               | x | 2,05      |   |            | x                 | 20,00        | =      | 24,60  |        |    |
|     | Pintu Toilet                      | 0,70               | x | 2,00      |   |            | x                 | 4,00         | =      | 5,60   |        |    |
|     |                                   |                    |   |           |   |            |                   | Jumlah Total | =      | 72,50  |        |    |

| NO.                       | URAIAN PEKERJAAN                                                                                 | URAIAN PERHITUNGAN                 |                  |                                    |        |            |                   |                     | VOLUME                         | SAT.                               |       |        |    |
|---------------------------|--------------------------------------------------------------------------------------------------|------------------------------------|------------------|------------------------------------|--------|------------|-------------------|---------------------|--------------------------------|------------------------------------|-------|--------|----|
|                           |                                                                                                  | Panjang (P)                        |                  | Lebar (L)                          |        | Tinggi (T) | Banyak Luasan (Q) | Total               |                                |                                    |       |        |    |
| 1                         | 2                                                                                                | 3                                  |                  | 4                                  |        | 5          |                   | 6                   |                                | 7                                  | 8     | 9      |    |
| G<br>1                    | PEKERJAAN INSTALASI LISTRIK<br>Pek. Pasang Titik Lampu + Instalasinya<br><br>R. Kelas<br>Selasar | Jlh. Titik<br>8,00<br>6,00<br>3,00 | x<br>x<br>x<br>x | Jlh. Ruang<br>5,00<br>1,00<br>1,00 |        |            |                   | =<br>=<br>=<br>=    | 40,00<br>6,00<br>3,00<br>49,00 | =                                  | 49,00 | Titik  |    |
| 2                         | Pek. Pasang Downlight Corong                                                                     |                                    |                  |                                    |        |            |                   |                     |                                | =                                  | 49,00 | Titik  |    |
| 3                         | Pek. Pasang Lampu Phillips 9 Watt                                                                |                                    |                  |                                    |        |            |                   |                     |                                | =                                  | 49,00 | Titik  |    |
| 4                         | Pek. Pasang Saklar Tunggal + Instalasi                                                           |                                    |                  |                                    |        |            |                   |                     |                                | =                                  | 14,00 | Titik  |    |
| 5                         | Pek. Pasang Stopkontak                                                                           |                                    |                  |                                    |        |            |                   |                     |                                | =                                  | 8,00  | Titik  |    |
| H                         | PEKERJAAN INSTALASI SANITASI                                                                     |                                    |                  |                                    |        |            |                   |                     |                                |                                    |       |        |    |
| 1                         | Pek. Pasang Pipa PVC 3/4" Air Bersih                                                             |                                    |                  |                                    |        |            |                   |                     |                                | =                                  | 12,00 | M'     |    |
| 2                         | Pek. Pasang Pipa PVC 2" Air Kotor                                                                |                                    |                  |                                    |        |            |                   |                     |                                | =                                  | 8,00  | M'     |    |
| 3                         | Pek. Pasang Pipa PVC 4" Closed                                                                   |                                    |                  |                                    |        |            |                   |                     |                                | =                                  | 20,00 | M'     |    |
| 4                         | Pek. Pasang Kran 3/4"                                                                            |                                    |                  |                                    |        |            |                   |                     |                                | =                                  | 2,00  | Bh     |    |
| 5                         | Pek. Pasang Toilet Jongkok                                                                       |                                    |                  |                                    |        |            |                   |                     |                                | =                                  | 2,00  | Bh     |    |
| 6                         | Pek. Pasang Bak Mandi Fiber 40 Liter                                                             |                                    |                  |                                    |        |            |                   |                     |                                | =                                  | 2,00  | Bh     |    |
| 7                         | Pek. Pasang Floordrain                                                                           |                                    |                  |                                    |        |            |                   |                     |                                | =                                  | 2,00  | Bh     |    |
| III. PEMBANGUNAN LANTAI 3 |                                                                                                  |                                    |                  |                                    |        |            |                   |                     |                                |                                    |       |        |    |
| A<br>1<br>a               | PEKERJAAN PEMBETONAN<br>Kolom 35/45<br>Pek. Bekisting KOLOM                                      | P<br>0,70                          | +<br>+           | L<br>0,90                          | x<br>x | T<br>3,45  | x<br>x            | Q<br>34,00<br>Total | =<br>=<br>=<br>=               | 187,68<br>187,68<br>93,84<br>93,84 | =     | 93,84  | M2 |
|                           | Bekisting 2 Kali Pakai                                                                           | 187,68                             | /                | 2,00                               |        |            |                   | Jumlah Total        | =                              | 93,84                              |       |        |    |
| b                         | Pek. Pembetonan KOLOM                                                                            | P<br>0,35                          | x<br>x           | L<br>0,45                          | x<br>x | T<br>3,45  | x<br>x            | Q<br>34,00          | =<br>=                         | 18,47<br>18,47                     | =     | 18,47  | M3 |
| c                         | Pembesian KOLOM<br>Besi Diameter 12 mm                                                           |                                    |                  |                                    |        |            |                   |                     |                                |                                    | =     | 905,76 | Kg |
|                           | Tulangan Utama                                                                                   |                                    |                  |                                    |        |            |                   |                     |                                |                                    |       |        |    |
|                           | Panjang                                                                                          |                                    | =                | 0,35                               | M      |            |                   |                     |                                |                                    |       |        |    |
|                           | Lebar                                                                                            |                                    | =                | 0,45                               | M      |            |                   |                     |                                |                                    |       |        |    |
|                           | Tinggi                                                                                           |                                    | =                | 3,45                               | M      |            |                   |                     |                                |                                    |       |        |    |
|                           | Jarak Antar Besi (P)                                                                             |                                    | =                | 0,125                              | M      |            |                   |                     |                                |                                    |       |        |    |
|                           | Jarak Antar Besi (L)                                                                             |                                    | =                | 0,125                              | M      |            |                   |                     |                                |                                    |       |        |    |
|                           | Jumlah Unit                                                                                      |                                    | =                | 8,00                               | Bh     |            |                   |                     |                                |                                    |       |        |    |
|                           | Selimut Beton                                                                                    |                                    | =                | 0,025                              | M      |            |                   |                     |                                |                                    |       |        |    |
|                           | Ukuran besi                                                                                      |                                    | =                | 0,012                              | M      |            |                   |                     |                                |                                    |       |        |    |
|                           | Total Berat                                                                                      |                                    | =                | 0,888                              | Kg     |            |                   |                     |                                |                                    |       |        |    |
|                           | Panjang Sambungan Balok                                                                          |                                    | =                | 0,30                               | M'     |            |                   |                     |                                |                                    |       |        |    |
|                           | Panjang Sambungan Dengan Kolom                                                                   |                                    | =                | 0,00                               | M'     |            |                   |                     |                                |                                    |       |        |    |
|                           | Tinggi Sloof                                                                                     |                                    | =                | 0,00                               | M'     |            |                   |                     |                                |                                    |       |        |    |
|                           | Total Panjang Memanjang                                                                          |                                    | =                | 30,00                              | M'     |            |                   |                     |                                |                                    |       |        |    |
|                           | Total Berat                                                                                      |                                    | =                | 26,64                              | Kg     |            |                   |                     |                                |                                    |       |        |    |
|                           | Banyak Kolom                                                                                     |                                    | =                | 34,00                              | Bh     |            |                   |                     |                                |                                    |       |        |    |
|                           | Total Berat Tu. Utama Kolom 35/45                                                                |                                    | =                | 905,76                             | Kg     |            |                   |                     |                                |                                    |       |        |    |
|                           | Besi Diameter 8 mm                                                                               |                                    |                  |                                    |        |            |                   |                     |                                |                                    | =     | 437,39 | Kg |
|                           | Panjang                                                                                          |                                    | =                | 0,35                               | M      |            |                   |                     |                                |                                    |       |        |    |
|                           | Lebar                                                                                            |                                    | =                | 0,45                               | M      |            |                   |                     |                                |                                    |       |        |    |
|                           | Tinggi                                                                                           |                                    | =                | 3,45                               | M      |            |                   |                     |                                |                                    |       |        |    |
|                           | Jarak Antar Besi (P)                                                                             |                                    | =                | 0,15                               | M      |            |                   |                     |                                |                                    |       |        |    |
|                           | Jarak Antar Besi (L)                                                                             |                                    | =                | 0,15                               | M      |            |                   |                     |                                |                                    |       |        |    |
|                           | Jumlah Unit                                                                                      |                                    | =                | 23,00                              | Bh     |            |                   |                     |                                |                                    |       |        |    |
|                           | Selimut Beton                                                                                    |                                    | =                | 0,025                              | M      |            |                   |                     |                                |                                    |       |        |    |
|                           | Ukuran besi                                                                                      |                                    | =                | 0,008                              | M      |            |                   |                     |                                |                                    |       |        |    |
|                           | Total Berat                                                                                      |                                    | =                | 0,395                              | Kg     |            |                   |                     |                                |                                    |       |        |    |
|                           | Panjang Sengkang /Pcs                                                                            |                                    | =                | 1,42                               | M'     |            |                   |                     |                                |                                    |       |        |    |
|                           | Total Panjang Memanjang                                                                          |                                    | =                | 32,57                              | M'     |            |                   |                     |                                |                                    |       |        |    |
|                           | Total Berat                                                                                      |                                    | =                | 12,86                              | Kg     |            |                   |                     |                                |                                    |       |        |    |
|                           | Banyak Pondasi                                                                                   |                                    | =                | 34,00                              | Bh     |            |                   |                     |                                |                                    |       |        |    |
|                           | Total Berat Tu. Sengkang kolom 35/45                                                             |                                    | =                | 437,39                             | Kg     |            |                   |                     |                                |                                    |       |        |    |
| 2<br>a                    | Kolom 25/25<br>Pek. Bekisting KOLOM                                                              | P<br>0,50                          | +<br>+           | L<br>0,50                          | x<br>x | T<br>3,45  | x<br>x            | Q<br>14,00<br>Total | =<br>=<br>=<br>=               | 48,30<br>48,30<br>24,15<br>24,15   | =     | 24,15  | M2 |
|                           | Bekisting 2 Kali Pakai                                                                           | 48,30                              | /                | 2,00                               |        |            |                   | Jumlah Total        | =                              | 24,15                              |       |        |    |
| b                         | Pek. Pembetonan KOLOM                                                                            | P<br>0,25                          | x<br>x           | L<br>0,25                          | x<br>x | T<br>3,45  | x<br>x            | Q<br>14,00          | =<br>=                         | 3,02<br>3,02                       | =     | 3,02   | M3 |
|                           |                                                                                                  |                                    |                  |                                    |        |            |                   | Jumlah Total        | =                              | 3,02                               |       |        |    |

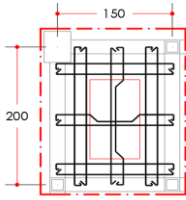
| NO. | URAIAN PEKERJAAN                        | URAIAN PERHITUNGAN |   |           |    |            |   |                   | VOLUME | SAT. |       |        |        |    |
|-----|-----------------------------------------|--------------------|---|-----------|----|------------|---|-------------------|--------|------|-------|--------|--------|----|
|     |                                         | Panjang (P)        |   | Lebar (L) |    | Tinggi (T) |   | Banyak Luasan (Q) |        |      | Total |        |        |    |
| 1   | 2                                       | 3                  |   | 4         |    | 5          |   | 6                 |        | 7    | 8     | 9      |        |    |
| c   | Pembesian KOLOM                         |                    |   |           |    |            |   |                   |        |      | =     | 186,48 | Kg     |    |
|     | Besi Diameter 12 mm                     |                    |   |           |    |            |   |                   |        |      |       |        |        |    |
|     | Tulangan Utama                          |                    |   |           |    |            |   |                   |        |      |       |        |        |    |
|     | Panjang                                 | =                  |   | 0,25      | M  |            |   |                   |        |      |       |        |        |    |
|     | Lebar                                   | =                  |   | 0,25      | M  |            |   |                   |        |      |       |        |        |    |
|     | Tinggi                                  | =                  |   | 3,45      | M  |            |   |                   |        |      |       |        |        |    |
|     | Jarak Antar Besi (P)                    | =                  |   | 0,125     | M  |            |   |                   |        |      |       |        |        |    |
|     | Jarak Antar Besi (L)                    | =                  |   | 0,125     | M  |            |   |                   |        |      |       |        |        |    |
|     | Jumlah Unit                             | =                  |   | 4,00      | Bh |            |   |                   |        |      |       |        |        |    |
|     | Selimut Beton                           | =                  |   | 0,025     | M  |            |   |                   |        |      |       |        |        |    |
|     | Ukuran besi                             | =                  |   | 0,012     | M  |            |   |                   |        |      |       |        |        |    |
|     | Total Berat                             | =                  |   | 0,888     | Kg |            |   |                   |        |      |       |        |        |    |
|     | Panjang Sambungan Balok                 | =                  |   | 0,30      | M' |            |   |                   |        |      |       |        |        |    |
|     | Panjang Sambungan Dengan Kolom          | =                  |   | 0,00      | M' |            |   |                   |        |      |       |        |        |    |
|     | Tinggi Sloof                            | =                  |   | 0,00      | M' |            |   |                   |        |      |       |        |        |    |
|     | Total Panjang Memanjang                 | =                  |   | 15,00     | M' |            |   |                   |        |      |       |        |        |    |
|     | Total Berat                             | =                  |   | 13,32     | Kg |            |   |                   |        |      |       |        |        |    |
|     | Banyak Kolom                            | =                  |   | 14,00     | Bh |            |   |                   |        |      |       |        |        |    |
|     | Total Berat Tu. Utama Kolom 25/25       | =                  |   | 186,48    | Kg |            |   |                   |        |      |       |        |        |    |
|     | Besi Diameter 8 mm                      |                    |   |           |    |            |   |                   |        |      |       | =      | 103,79 | Kg |
|     | Panjang                                 | =                  |   | 0,25      | M  |            |   |                   |        |      |       |        |        |    |
|     | Lebar                                   | =                  |   | 0,25      | M  |            |   |                   |        |      |       |        |        |    |
|     | Tinggi                                  | =                  |   | 3,45      | M  |            |   |                   |        |      |       |        |        |    |
|     | Jarak Antar Besi (P)                    | =                  |   | 0,15      | M  |            |   |                   |        |      |       |        |        |    |
|     | Jarak Antar Besi (L)                    | =                  |   | 0,15      | M  |            |   |                   |        |      |       |        |        |    |
|     | Jumlah Unit                             | =                  |   | 23,00     | Bh |            |   |                   |        |      |       |        |        |    |
|     | Selimut Beton                           | =                  |   | 0,025     | M  |            |   |                   |        |      |       |        |        |    |
|     | Ukuran besi                             | =                  |   | 0,008     | M  |            |   |                   |        |      |       |        |        |    |
|     | Total Berat                             | =                  |   | 0,395     | Kg |            |   |                   |        |      |       |        |        |    |
|     | Panjang Sengkang /Pcs                   | =                  |   | 0,82      | M' |            |   |                   |        |      |       |        |        |    |
|     | Total Panjang Memanjang                 | =                  |   | 18,77     | M' |            |   |                   |        |      |       |        |        |    |
|     | Total Berat                             | =                  |   | 7,41      | Kg |            |   |                   |        |      |       |        |        |    |
|     | Banyak Pondasi                          | =                  |   | 14,00     | Bh |            |   |                   |        |      |       |        |        |    |
|     | Total Berat Tu. Sengkang kolom 25/25    | =                  |   | 103,79    | Kg |            |   |                   |        |      |       |        |        |    |
| 3   | Kolom 15/15                             |                    |   |           |    |            |   |                   |        |      |       |        |        |    |
| a   | Pek. Bekisting KOLOM                    | P                  | + | L         | x  | T          | x | Q                 |        |      | =     | 2,12   | M2     |    |
|     | Area WC                                 | 0,10               | + | 0,10      | x  | 2,10       | x | 4,00              | =      | 1,68 |       |        |        |    |
|     | Kolom Tambahan Atap                     | 0,10               | + | 0,10      | x  | 0,40       | x | 32,00             | =      | 2,56 |       |        |        |    |
|     |                                         |                    |   |           |    |            |   | Total             | =      | 4,24 |       |        |        |    |
|     | Bekisting 2 Kali Pakai                  | 4,24               | / | 2,00      |    |            |   | Jumlah Total      | =      | 2,12 |       |        |        |    |
| b   | Pek. Pembetonan KOLOM                   | P                  | x | L         | x  | T          | x | Q                 |        |      | =     | 0,21   | M3     |    |
|     | Area WC                                 | 0,10               | x | 0,10      | x  | 2,15       | x | 4,00              | =      | 0,09 |       |        |        |    |
|     | Kolom Tambahan Atap                     | 0,10               | x | 0,10      | x  | 0,40       | x | 32,00             | =      | 0,13 |       |        |        |    |
|     |                                         |                    |   |           |    |            |   | Jumlah Total      | =      | 0,21 |       |        |        |    |
|     |                                         |                    |   |           |    |            |   |                   |        |      |       |        |        |    |
| c   | Pembesian KOLOM                         |                    |   |           |    |            |   |                   |        |      | =     | 60,55  | Kg     |    |
|     | Besi Diameter 8 mm                      |                    |   |           |    |            |   |                   |        |      |       |        |        |    |
|     | Tulangan Utama Area WC                  |                    |   |           |    |            |   |                   |        |      |       |        |        |    |
|     | Panjang                                 | =                  |   | 0,10      | M  |            |   |                   |        |      |       |        |        |    |
|     | Lebar                                   | =                  |   | 0,10      | M  |            |   |                   |        |      |       |        |        |    |
|     | Tinggi                                  | =                  |   | 2,15      | M  |            |   |                   |        |      |       |        |        |    |
|     | Jarak Antar Besi (P)                    | =                  |   | 0,125     | M  |            |   |                   |        |      |       |        |        |    |
|     | Jarak Antar Besi (L)                    | =                  |   | 0,125     | M  |            |   |                   |        |      |       |        |        |    |
|     | Jumlah Unit                             | =                  |   | 4,00      | Bh |            |   |                   |        |      |       |        |        |    |
|     | Selimut Beton                           | =                  |   | 0,025     | M  |            |   |                   |        |      |       |        |        |    |
|     | Ukuran besi                             | =                  |   | 0,008     | M  |            |   |                   |        |      |       |        |        |    |
|     | Total Berat                             | =                  |   | 0,395     | Kg |            |   |                   |        |      |       |        |        |    |
|     | Panjang Sambungan Balok                 | =                  |   | 0,15      | M' |            |   |                   |        |      |       |        |        |    |
|     | Panjang Sambungan Dengan Kolom          | =                  |   | 0,32      | M' |            |   |                   |        |      |       |        |        |    |
|     | Tinggi Sloof                            | =                  |   | 0,00      | M' |            |   |                   |        |      |       |        |        |    |
|     | Total Panjang Memanjang                 | =                  |   | 10,48     | M' |            |   |                   |        |      |       |        |        |    |
|     | Total Berat                             | =                  |   | 4,14      | Kg |            |   |                   |        |      |       |        |        |    |
|     | Banyak Kolom                            | =                  |   | 4,00      | Bh |            |   |                   |        |      |       |        |        |    |
|     | Total Berat Tu. Utama Kolom 15/15       | =                  |   | 16,56     | Kg |            |   |                   |        |      |       |        |        |    |
|     | Tulangan Utama Area Kolom Tambahan Atap |                    |   |           |    |            |   |                   |        |      |       |        |        |    |
|     | Panjang                                 | =                  |   | 0,10      | M  |            |   |                   |        |      |       |        |        |    |
|     | Lebar                                   | =                  |   | 0,10      | M  |            |   |                   |        |      |       |        |        |    |
|     | Tinggi                                  | =                  |   | 0,40      | M  |            |   |                   |        |      |       |        |        |    |
|     | Jarak Antar Besi (P)                    | =                  |   | 0,125     | M  |            |   |                   |        |      |       |        |        |    |
|     | Jarak Antar Besi (L)                    | =                  |   | 0,125     | M  |            |   |                   |        |      |       |        |        |    |
|     | Jumlah Unit                             | =                  |   | 4,00      | Bh |            |   |                   |        |      |       |        |        |    |
|     | Selimut Beton                           | =                  |   | 0,025     | M  |            |   |                   |        |      |       |        |        |    |
|     | Ukuran besi                             | =                  |   | 0,008     | M  |            |   |                   |        |      |       |        |        |    |
|     | Total Berat                             | =                  |   | 0,395     | Kg |            |   |                   |        |      |       |        |        |    |

| NO. | URAIAN PEKERJAAN                  | URAIAN PERHITUNGAN                      |         |            |            |            |                   | VOLUME       | SAT.  |       |        |    |
|-----|-----------------------------------|-----------------------------------------|---------|------------|------------|------------|-------------------|--------------|-------|-------|--------|----|
|     |                                   | Panjang (P)                             |         | Lebar (L)  |            | Tinggi (T) | Banyak Luasan (Q) |              |       | Total |        |    |
| 1   | 2                                 | 3                                       |         | 4          | 5          | 6          | 7                 | 8            | 9     |       |        |    |
|     | Panjang Sambungan Balok           |                                         | =       | 0,15       | M'         |            |                   |              |       |       |        |    |
|     | Panjang Sambungan Dengan Kolom    |                                         | =       | 0,32       | M'         |            |                   |              |       |       |        |    |
|     | Tinggi Sloof                      |                                         | =       | 0,00       | M'         |            |                   |              |       |       |        |    |
|     | Total Panjang Memanjang           |                                         | =       | 3,48       | M'         |            |                   |              |       |       |        |    |
|     | Total Berat                       |                                         | =       | 1,37       | Kg         |            |                   |              |       |       |        |    |
|     | Banyak Kolom                      |                                         | =       | 32,00      | Bh         |            |                   |              |       |       |        |    |
|     | Total Berat Tu. Utama Kolom 15/15 |                                         | =       | 43,99      | Kg         |            |                   |              |       |       |        |    |
|     | Jumlah Total                      | Area WC                                 | +       | K.Tambahan |            |            |                   |              |       |       |        |    |
|     |                                   | 16,56                                   | +       | Atap       |            |            |                   |              |       |       |        |    |
|     |                                   |                                         |         | 43,99      |            |            |                   |              |       |       |        |    |
|     |                                   |                                         |         |            |            |            | Jumlah Total      | =            | 60,55 |       |        |    |
|     |                                   |                                         |         |            |            |            |                   | =            | 60,55 |       |        |    |
|     | Besi Diameter 6 mm                |                                         |         |            |            |            |                   |              | =     | 7,34  | Kg     |    |
|     |                                   | Area WC                                 |         |            |            |            |                   |              |       |       |        |    |
|     |                                   | Panjang                                 |         | =          | 0,10       | M          |                   |              |       |       |        |    |
|     |                                   | Lebar                                   |         | =          | 0,10       | M          |                   |              |       |       |        |    |
|     |                                   | Tinggi                                  |         | =          | 2,15       | M          |                   |              |       |       |        |    |
|     |                                   | Jarak Antar Besi (P)                    |         | =          | 0,15       | M          |                   |              |       |       |        |    |
|     |                                   | Jarak Antar Besi (L)                    |         | =          | 0,15       | M          |                   |              |       |       |        |    |
|     |                                   | Jumlah Unit                             |         | =          | 15,00      | Bh         |                   |              |       |       |        |    |
|     |                                   | Selimut Beton                           |         | =          | 0,025      | M          |                   |              |       |       |        |    |
|     |                                   | Ukuran besi                             |         | =          | 0,006      | M          |                   |              |       |       |        |    |
|     |                                   | Total Berat                             |         | =          | 0,222      | Kg         |                   |              |       |       |        |    |
|     |                                   | Panjang Senggang /Pcs                   |         | =          | 0,21       | M'         |                   |              |       |       |        |    |
|     |                                   | Total Panjang Memanjang                 |         | =          | 3,18       | M'         |                   |              |       |       |        |    |
|     |                                   | Total Berat                             |         | =          | 0,71       | Kg         |                   |              |       |       |        |    |
|     |                                   | Banyak Kolom                            |         | =          | 4,00       | Bh         |                   |              |       |       |        |    |
|     |                                   | Total Berat Tu. Senggang kolom 15/15    |         | =          | 2,82       | Kg         |                   |              |       |       |        |    |
|     |                                   | Tulangan Utama Area Kolom Tambahan Atap |         |            |            |            |                   |              |       |       |        |    |
|     |                                   | Panjang                                 |         | =          | 0,10       | M          |                   |              |       |       |        |    |
|     |                                   | Lebar                                   |         | =          | 0,10       | M          |                   |              |       |       |        |    |
|     |                                   | Tinggi                                  |         | =          | 0,40       | M          |                   |              |       |       |        |    |
|     |                                   | Jarak Antar Besi (P)                    |         | =          | 0,15       | M          |                   |              |       |       |        |    |
|     |                                   | Jarak Antar Besi (L)                    |         | =          | 0,15       | M          |                   |              |       |       |        |    |
|     |                                   | Jumlah Unit                             |         | =          | 3,00       | Bh         |                   |              |       |       |        |    |
|     |                                   | Selimut Beton                           |         | =          | 0,025      | M          |                   |              |       |       |        |    |
|     |                                   | Ukuran besi                             |         | =          | 0,006      | M          |                   |              |       |       |        |    |
|     |                                   | Total Berat                             |         | =          | 0,22       | Kg         |                   |              |       |       |        |    |
|     |                                   | Panjang Senggang /Pcs                   |         | =          | 0,21       | M'         |                   |              |       |       |        |    |
|     |                                   | Total Panjang Memanjang                 |         | =          | 0,64       | M'         |                   |              |       |       |        |    |
|     |                                   | Total Berat                             |         | =          | 0,14       | Kg         |                   |              |       |       |        |    |
|     |                                   | Banyak Kolom                            |         | =          | 32,00      | Bh         |                   |              |       |       |        |    |
|     |                                   | Total Berat Tu. Senggang kolom 15/15    |         | =          | 4,52       | Kg         |                   |              |       |       |        |    |
|     |                                   | Jumlah Total                            | Area WC | +          | K.Tambahan |            |                   |              |       |       |        |    |
|     |                                   |                                         | 2,82    | +          | Atap       |            |                   |              |       |       |        |    |
|     |                                   |                                         |         |            | 4,52       |            |                   |              |       |       |        |    |
|     |                                   |                                         |         |            |            |            | Jumlah Total      | =            | 7,34  |       |        |    |
|     |                                   |                                         |         |            |            |            |                   | =            | 7,34  |       |        |    |
|     | 4                                 | Balok Tritisan 20/40 (BT1)              |         |            |            |            |                   |              |       |       |        |    |
|     | a                                 | Pek. Bekisting Balok                    | Panjang |            |            |            |                   |              |       | =     | 73,62  | M2 |
|     | x                                 | 74,30                                   |         |            |            |            |                   |              |       |       |        |    |
|     | y                                 | 17,70                                   |         |            |            |            |                   |              |       |       |        |    |
|     | Pengurangan Area Kolom Arah 35 cm | -4,90                                   |         |            |            |            |                   |              |       |       |        |    |
|     | Pengurangan Area Kolom Arah 45 cm | -1,80                                   |         |            |            |            |                   |              |       |       |        |    |
|     | Pengurangan Area Kolom Arah 25 cm | -3,50                                   |         |            |            |            |                   |              |       |       |        |    |
|     | T. Panjang                        | 81,80                                   |         |            |            |            |                   |              |       |       |        |    |
|     | P                                 |                                         |         |            | x          | T          | x                 | Sisi         |       |       |        |    |
|     | Total                             | 81,80                                   |         |            | x          | 0,90       | x                 | 1,00         | =     | 73,62 |        |    |
|     |                                   |                                         |         |            |            |            |                   | Jumlah Total | =     | 73,62 |        |    |
| b   | Pek. Pembetonan Balok             | P                                       | x       | L          | x          | T          | x                 | Q            |       |       |        |    |
|     |                                   | 92,00                                   | x       | 0,20       | x          | 0,40       | x                 | 1,00         | =     | 7,36  | M3     |    |
|     |                                   |                                         |         |            |            |            |                   | Jumlah Total | =     | 7,36  |        |    |
| c   | Pek. Pembesian Balok              |                                         |         |            |            |            |                   |              |       |       |        |    |
|     | Besi Diameter 12 mm               |                                         |         |            |            |            |                   |              |       | =     | 980,35 | Kg |
|     | Tulangan Utama                    |                                         |         |            |            |            |                   |              |       |       |        |    |
|     | Panjang                           |                                         | =       | 92,00      | M          |            |                   |              |       |       |        |    |
|     | Lebar                             |                                         | =       | 0,20       | M          |            |                   |              |       |       |        |    |
|     | Tinggi                            |                                         | =       | 0,40       | M          |            |                   |              |       |       |        |    |
|     | Jumlah Besi                       |                                         |         |            |            |            |                   |              |       |       |        |    |
|     | Tumpuan                           |                                         |         |            |            |            |                   |              |       |       |        |    |
|     | Atas                              |                                         | =       | 3,00       | Bh         |            |                   |              |       |       |        |    |
|     | Tengah                            |                                         | =       | 2,00       | Bh         |            |                   |              |       |       |        |    |
|     | Bawah                             |                                         | =       | 3,00       | Bh         |            |                   |              |       |       |        |    |
|     | Lapangan                          |                                         |         |            |            |            |                   |              |       |       |        |    |
|     | Atas                              |                                         | =       | 3,00       | Bh         |            |                   |              |       |       |        |    |
|     | Tengah                            |                                         | =       | 2,00       | Bh         |            |                   |              |       |       |        |    |
|     | Bawah                             |                                         | =       | 3,00       | Bh         |            |                   |              |       |       |        |    |
|     | Selimut Beton                     |                                         | =       | 0,025      | M          |            |                   |              |       |       |        |    |
|     | Ukuran besi                       |                                         | =       | 0,012      | M          |            |                   |              |       |       |        |    |
|     | Total Berat                       |                                         | =       | 0,888      | Kg         |            |                   |              |       |       |        |    |

| NO. | URAIAN PEKERJAAN                       | URAIAN PERHITUNGAN                |           |            |                   |              |              | VOLUME | SAT.   |         |    |
|-----|----------------------------------------|-----------------------------------|-----------|------------|-------------------|--------------|--------------|--------|--------|---------|----|
|     |                                        | Panjang (P)                       | Lebar (L) | Tinggi (T) | Banyak Luasan (Q) | Total        |              |        |        |         |    |
| 1   | 2                                      | 3                                 | 4         | 5          | 6                 | 7            | 8            | 9      |        |         |    |
|     | Panjang Tulangan Atas                  | =                                 | 92,00     | M'         |                   |              |              |        |        |         |    |
|     | Panjang Tulangan Tengah Tumpuan        | =                                 | 92,00     | M'         |                   |              |              |        |        |         |    |
|     | Panjang Tulangan Tengah                | =                                 | 92,00     | M'         |                   |              |              |        |        |         |    |
|     | Panjang Tulangan Tengah Lapangan       | =                                 | 92,00     | M'         |                   |              |              |        |        |         |    |
|     | Panjang Tulangan Bawah                 | =                                 | 92,00     | M'         |                   |              |              |        |        |         |    |
|     | Panjang Total Tulangan Atas            | =                                 | 276,00    | M'         |                   |              |              |        |        |         |    |
|     | Panjang Total Tulangan Tengah Tumpuan  | =                                 | 184,00    | M'         |                   |              |              |        |        |         |    |
|     | Panjang Total Tulangan Tengah          | =                                 | 184,00    | M'         |                   |              |              |        |        |         |    |
|     | Panjang Total Tulangan Tengah Lapangan | =                                 | 184,00    | M'         |                   |              |              |        |        |         |    |
|     | Panjang Total Tulangan Bawah           | =                                 | 276,00    | M'         |                   |              |              |        |        |         |    |
|     | Panjang Total Keseluruhan              | =                                 | 1104,00   | M'         |                   |              |              |        |        |         |    |
|     | Total Berat Tu. Utama Balok 20/40      | =                                 | 980,35    | Kg         |                   |              |              |        |        |         |    |
|     | Besi Diameter 6 mm                     |                                   |           |            |                   |              |              | =      | 139,03 | Kg      |    |
|     | Tulangan Sengkang                      |                                   |           |            |                   |              |              |        |        |         |    |
|     | Panjang                                | =                                 | 92,00     | M          |                   |              |              |        |        |         |    |
|     | Lebar                                  | =                                 | 0,20      | M          |                   |              |              |        |        |         |    |
|     | Tinggi                                 | =                                 | 0,40      | M          |                   |              |              |        |        |         |    |
|     | Jarak Antar Tulangan                   | =                                 | 0,15      | M          |                   |              |              |        |        |         |    |
|     | Jumlah Unit                            | =                                 | 614,00    | Bh         |                   |              |              |        |        |         |    |
|     | Selimut Beton                          | =                                 | 0,025     | M          |                   |              |              |        |        |         |    |
|     | Ukuran besi                            | =                                 | 0,006     | M          |                   |              |              |        |        |         |    |
|     | Total Berat                            | =                                 | 0,222     | Kg         |                   |              |              |        |        |         |    |
|     | Panjang Memanjang                      | =                                 | 1,02      | M'         |                   |              |              |        |        |         |    |
|     | Total Panjang Memanjang                | =                                 | 626,28    | M'         |                   |              |              |        |        |         |    |
|     | Total Berat Tu. Sengkang Balok 20/40   | =                                 | 139,03    | Kg         |                   |              |              |        |        |         |    |
|     | 5                                      | Balok Tritisn 20/30 (BT2)         |           |            |                   |              |              |        |        |         |    |
|     | a                                      | Pek. Bekisting Balok              | Panjang   |            |                   |              |              |        | =      | 83,85   | M2 |
|     |                                        | Bangunan Utama                    |           |            |                   |              |              |        |        |         |    |
|     |                                        | x                                 | 36,75     |            |                   |              |              |        |        |         |    |
|     |                                        | y                                 | 27,60     |            |                   |              |              |        |        |         |    |
|     |                                        |                                   | 21,00     |            |                   |              |              |        |        |         |    |
|     |                                        | Pengurangan Area Kolom Arah 35 cm | -4,20     |            |                   |              |              |        |        |         |    |
|     |                                        | Pengurangan Area Kolom Arah 45 cm | -1,80     |            |                   |              |              |        |        |         |    |
|     |                                        | Balok Talang                      |           |            |                   |              |              |        |        |         |    |
|     |                                        | x                                 | 6,80      |            |                   |              |              |        |        |         |    |
|     | y                                      | 22,40                             |           |            |                   |              |              |        |        |         |    |
|     | Balok Tandon                           |                                   |           |            |                   |              |              |        |        |         |    |
|     | x                                      | 8,10                              |           |            |                   |              |              |        |        |         |    |
|     | y                                      | 8,00                              |           |            |                   |              |              |        |        |         |    |
|     | T. Panjang                             | 124,65                            |           |            |                   |              |              |        |        |         |    |
|     | P                                      |                                   | x         | T          | x                 | Sisi         |              |        |        |         |    |
|     | Total Bekisting Area Dak Talang        | 79,35                             | x         | 0,60       | x                 | 1,00         | =            | 47,61  |        |         |    |
|     | Total Bekisting Balok Dalam Bangunan   | 45,30                             | x         | 0,80       | x                 | 1,00         | =            | 36,24  |        |         |    |
|     |                                        |                                   |           |            |                   | Jumlah Total | =            | 83,85  |        |         |    |
| b   | Pek. Pembetonan Balok                  | P                                 | x         | L          | x                 | T            | x            | Q      |        |         |    |
|     | Total Bekisting Area Dak Talang        | 79,35                             | x         | 0,20       | x                 | 0,20         | x            | 1,00   | =      | 3,17    |    |
|     | Total Bekisting Balok Dalam Bangunan   | 45,30                             | x         | 0,20       | x                 | 0,30         | x            | 1,00   | =      | 2,72    |    |
|     |                                        |                                   |           |            |                   |              | Jumlah Total | =      | 5,89   |         |    |
| c   | Pek. Pembesian Balok                   |                                   |           |            |                   |              |              |        |        |         |    |
|     | Besi Diameter 12 mm                    |                                   |           |            |                   |              |              |        | =      | 1106,89 | Kg |
|     | Tulangan Utama                         |                                   |           |            |                   |              |              |        |        |         |    |
|     | Panjang                                | =                                 | 124,65    | M          |                   |              |              |        |        |         |    |
|     | Lebar                                  | =                                 | 0,20      | M          |                   |              |              |        |        |         |    |
|     | Tinggi                                 | =                                 | 0,30      | M          |                   |              |              |        |        |         |    |
|     | Jumlah Besi                            |                                   |           |            |                   |              |              |        |        |         |    |
|     | Tumpuan                                |                                   |           |            |                   |              |              |        |        |         |    |
|     | Atas                                   | =                                 | 3,00      | Bh         |                   |              |              |        |        |         |    |
|     | Tengah                                 | =                                 | 2,00      | Bh         |                   |              |              |        |        |         |    |
|     | Bawah                                  | =                                 | 3,00      | Bh         |                   |              |              |        |        |         |    |
|     | Lapangan                               |                                   |           |            |                   |              |              |        |        |         |    |
|     | Atas                                   | =                                 | 3,00      | Bh         |                   |              |              |        |        |         |    |
|     | Tengah                                 | =                                 | 2,00      | Bh         |                   |              |              |        |        |         |    |
|     | Bawah                                  | =                                 | 3,00      | Bh         |                   |              |              |        |        |         |    |
|     | Selimut Beton                          | =                                 | 0,025     | M          |                   |              |              |        |        |         |    |
|     | Ukuran besi                            | =                                 | 0,012     | M          |                   |              |              |        |        |         |    |
|     | Total Berat                            | =                                 | 0,888     | Kg         |                   |              |              |        |        |         |    |
|     | Panjang Tulangan Atas                  | =                                 | 124,65    | M'         |                   |              |              |        |        |         |    |
|     | Panjang Tulangan Tengah Tumpuan        | =                                 | 124,65    | M'         |                   |              |              |        |        |         |    |
|     | Panjang Tulangan Tengah                | =                                 | 124,65    | M'         |                   |              |              |        |        |         |    |
|     | Panjang Tulangan Tengah Lapangan       | =                                 | 124,65    | M'         |                   |              |              |        |        |         |    |
|     | Panjang Tulangan Bawah                 | =                                 | 124,65    | M'         |                   |              |              |        |        |         |    |
|     | Panjang Total Tulangan Atas            | =                                 | 373,95    | M'         |                   |              |              |        |        |         |    |
|     | Panjang Total Tulangan Tengah Tumpuan  | =                                 | 249,30    | M'         |                   |              |              |        |        |         |    |
|     | Panjang Total Tulangan Tengah          | =                                 | 0,00      | M'         |                   |              |              |        |        |         |    |
|     | Panjang Total Tulangan Tengah Lapangan | =                                 | 249,30    | M'         |                   |              |              |        |        |         |    |
|     | Panjang Total Tulangan Bawah           | =                                 | 373,95    | M'         |                   |              |              |        |        |         |    |
|     | Panjang Total Keseluruhan              | =                                 | 1246,50   | M'         |                   |              |              |        |        |         |    |
|     | Total Berat Tu. Utama Balok 20/30      | =                                 | 1106,89   | Kg         |                   |              |              |        |        |         |    |

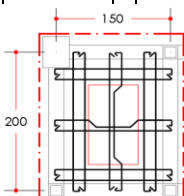
| NO. | URAIAN PEKERJAAN                       | URAIAN PERHITUNGAN |  |           |    |            |                   | VOLUME | SAT. |        |   |        |    |
|-----|----------------------------------------|--------------------|--|-----------|----|------------|-------------------|--------|------|--------|---|--------|----|
|     |                                        | Panjang (P)        |  | Lebar (L) |    | Tinggi (T) | Banyak Luasan (Q) |        |      | Total  |   |        |    |
| 1   | 2                                      | 3                  |  | 4         |    | 5          |                   | 6      |      | 7      | 8 | 9      |    |
|     | Besi Diameter 6 mm                     |                    |  |           |    |            |                   |        |      |        | = | 151,28 | Kg |
|     | Tulangan Sengkang                      |                    |  |           |    |            |                   |        |      |        |   |        |    |
|     | Panjang                                | =                  |  | 124,65    | M  |            |                   |        |      |        |   |        |    |
|     | Lebar                                  | =                  |  | 0,20      | M  |            |                   |        |      |        |   |        |    |
|     | Tinggi                                 | =                  |  | 0,30      | M  |            |                   |        |      |        |   |        |    |
|     | Jarak Antar Tulangan                   | =                  |  | 0,15      | M  |            |                   |        |      |        |   |        |    |
|     | Jumlah Unit                            | =                  |  | 831,00    | Bh |            |                   |        |      |        |   |        |    |
|     | Selimut Beton                          | =                  |  | 0,025     | M  |            |                   |        |      |        |   |        |    |
|     | Ukuran besi                            | =                  |  | 0,006     | M  |            |                   |        |      |        |   |        |    |
|     | Total Berat                            | =                  |  | 0,222     | Kg |            |                   |        |      |        |   |        |    |
|     | Panjang Memanjang                      | =                  |  | 0,82      | M' |            |                   |        |      |        |   |        |    |
|     | Total Panjang Memanjang                | =                  |  | 681,42    | M' |            |                   |        |      |        |   |        |    |
|     | Total Berat Tu. Sengkang Balok 20/30   | =                  |  | 151,28    | Kg |            |                   |        |      |        |   |        |    |
| 6   | Balok Teritisan 8/60 (BT3)             |                    |  |           |    |            |                   |        |      |        |   |        |    |
| a   | Pek. Bekisting Balok                   |                    |  |           |    |            |                   |        |      |        | = | 117,15 | M2 |
|     | Panjang                                |                    |  |           |    |            |                   |        |      |        |   |        |    |
|     | x                                      |                    |  | 78,30     |    |            |                   |        |      |        |   |        |    |
|     | y                                      |                    |  | 22,20     |    |            |                   |        |      |        |   |        |    |
|     | T. Panjang                             |                    |  | 100,50    |    |            |                   |        |      |        |   |        |    |
|     | P                                      |                    |  |           | x  | T          | x                 | Sisi   |      |        |   |        |    |
|     | Total                                  |                    |  | 100,50    | x  | 1,18       | x                 | 1,00   | =    | 118,59 |   |        |    |
|     | Pengurangan BT2                        |                    |  | 0,20      | x  | 0,20       | x                 | 36,00  | =    | -1,44  |   |        |    |
|     | Jumlah Total                           |                    |  |           |    |            |                   |        | =    | 117,15 |   |        |    |
| b   | Pek. Pembetonan Balok                  |                    |  |           |    |            |                   |        |      |        |   |        |    |
|     | P                                      | x                  |  | L         | x  | T          | x                 | Q      |      |        |   |        |    |
|     | 100,50                                 | x                  |  | 0,08      | x  | 0,60       | x                 | 1,00   | =    | 4,82   |   | 4,82   | M3 |
|     | Jumlah Total                           |                    |  |           |    |            |                   |        | =    | 4,82   |   |        |    |
| c   | Pek. Pembesian Balok                   |                    |  |           |    |            |                   |        |      |        |   |        |    |
|     | Besi Diameter 10 mm                    |                    |  |           |    |            |                   |        |      |        |   |        |    |
|     | Tulangan Utama                         |                    |  |           |    |            |                   |        |      |        |   |        |    |
|     | Panjang                                | =                  |  | 100,50    | M  |            |                   |        |      |        |   |        |    |
|     | Lebar                                  | =                  |  | 0,08      | M  |            |                   |        |      |        |   |        |    |
|     | Tinggi                                 | =                  |  | 0,60      | M  |            |                   |        |      |        |   |        |    |
|     | Jumlah Besi                            |                    |  |           |    |            |                   |        |      |        |   |        |    |
|     | Tumpuan                                |                    |  |           |    |            |                   |        |      |        |   |        |    |
|     | Atas                                   | =                  |  | 3,00      | Bh |            |                   |        |      |        |   |        |    |
|     | Tengah                                 | =                  |  | 0,00      | Bh |            |                   |        |      |        |   |        |    |
|     | Bawah                                  | =                  |  | 3,00      | Bh |            |                   |        |      |        |   |        |    |
|     | Lapangan                               |                    |  |           |    |            |                   |        |      |        |   |        |    |
|     | Atas                                   | =                  |  | 3,00      | Bh |            |                   |        |      |        |   |        |    |
|     | Tengah                                 | =                  |  | 0,00      | Bh |            |                   |        |      |        |   |        |    |
|     | Bawah                                  | =                  |  | 3,00      | Bh |            |                   |        |      |        |   |        |    |
|     | Selimut Beton                          | =                  |  | 0,025     | M  |            |                   |        |      |        |   |        |    |
|     | Ukuran besi                            | =                  |  | 0,010     | M  |            |                   |        |      |        |   |        |    |
|     | Total Berat                            | =                  |  | 0,617     | Kg |            |                   |        |      |        |   |        |    |
|     | Panjang Tulangan Atas                  | =                  |  | 100,50    | M' |            |                   |        |      |        |   |        |    |
|     | Panjang Tulangan Tengah Tumpuan        | =                  |  | 100,50    | M' |            |                   |        |      |        |   |        |    |
|     | Panjang Tulangan Tengah                | =                  |  | 0,00      | M' |            |                   |        |      |        |   |        |    |
|     | Panjang Tulangan Tengah Lapangan       | =                  |  | 100,50    | M' |            |                   |        |      |        |   |        |    |
|     | Panjang Tulangan Bawah                 | =                  |  | 100,50    | M' |            |                   |        |      |        |   |        |    |
|     | Panjang Total Tulangan Atas            | =                  |  | 301,50    | M' |            |                   |        |      |        |   |        |    |
|     | Panjang Total Tulangan Tengah Tumpuan  | =                  |  | 0,00      | M' |            |                   |        |      |        |   |        |    |
|     | Panjang Total Tulangan Tengah          | =                  |  | 0,00      | M' |            |                   |        |      |        |   |        |    |
|     | Panjang Total Tulangan Tengah Lapangan | =                  |  | 0,00      | M' |            |                   |        |      |        |   |        |    |
|     | Panjang Total Tulangan Bawah           | =                  |  | 301,50    | M' |            |                   |        |      |        |   |        |    |
|     | Panjang Total Keseluruhan              | =                  |  | 603,00    | M' |            |                   |        |      |        |   |        |    |
|     | Total Berat Tu. Utama Balok 8/60       | =                  |  | 372,05    | Kg |            |                   |        |      |        |   |        |    |
|     | Tulangan Sengkang                      |                    |  |           |    |            |                   |        |      |        |   |        |    |
|     | Panjang                                | =                  |  | 100,50    | M  |            |                   |        |      |        |   |        |    |
|     | Lebar                                  | =                  |  | 0,08      | M  |            |                   |        |      |        |   |        |    |
|     | Tinggi                                 | =                  |  | 0,60      | M  |            |                   |        |      |        |   |        |    |
|     | Jarak Antar Tulangan                   | =                  |  | 0,10      | M  |            |                   |        |      |        |   |        |    |
|     | Jumlah Unit                            | =                  |  | 1005,00   | Bh |            |                   |        |      |        |   |        |    |
|     | Selimut Beton                          | =                  |  | 0,025     | M  |            |                   |        |      |        |   |        |    |
|     | Ukuran besi                            | =                  |  | 0,010     | M  |            |                   |        |      |        |   |        |    |
|     | Total Berat                            | =                  |  | 0,617     | Kg |            |                   |        |      |        |   |        |    |
|     | Panjang Memanjang                      | =                  |  | 0,57      | M' |            |                   |        |      |        |   |        |    |
|     | Total Panjang Memanjang                | =                  |  | 572,85    | M' |            |                   |        |      |        |   |        |    |
|     | Total Berat Tu. Sengkang Balok 8/60    | =                  |  | 353,45    | Kg |            |                   |        |      |        |   |        |    |
|     | Total Penulangan                       |                    |  |           |    |            |                   |        |      |        |   |        |    |
|     | Tul. Utama                             | +                  |  | 372,05    |    |            |                   |        |      |        |   |        |    |
|     | Sengkang                               | +                  |  | 353,45    |    |            |                   |        |      |        |   |        |    |
|     | Jumlah Total                           | =                  |  |           |    |            |                   |        | =    | 725,50 |   |        |    |
|     | Jumlah Total                           | =                  |  |           |    |            |                   |        | =    | 725,50 |   |        |    |

| NO.                          | URAIAN PEKERJAAN         | URAIAN PERHITUNGAN  |      |           |   |            |                   | VOLUME       | SAT. |       |       |    |
|------------------------------|--------------------------|---------------------|------|-----------|---|------------|-------------------|--------------|------|-------|-------|----|
|                              |                          | Panjang (P)         |      | Lebar (L) |   | Tinggi (T) | Banyak Luasan (Q) |              |      | Total |       |    |
| 1                            | 2                        | 3                   |      | 4         |   | 5          |                   | 6            |      | 7     | 8     | 9  |
| 7<br>a                       | Plat Tritisan dan Tandon | P                   | x    | L         |   |            | x                 | Q            |      | =     | 88,93 | M2 |
|                              | Pek. Bekisting Plat      |                     |      |           |   |            |                   |              |      |       |       |    |
|                              | Plat Tandon              |                     |      |           |   |            |                   |              |      |       |       |    |
|                              | Luasan 1                 | 1,30                | x    | 1,80      |   |            | x                 | 2,00         | =    | 4,68  |       |    |
|                              | Plat Tritisan            |                     |      |           |   |            |                   |              |      |       |       |    |
|                              | Luasan 1                 | 0,90                | x    | 0,90      |   |            | x                 | 4,00         | =    | 3,24  |       |    |
|                              | Luasan 2                 | 2,80                | x    | 0,90      |   |            | x                 | 4,00         | =    | 10,08 |       |    |
|                              | Luasan 3                 | 2,60                | x    | 0,90      |   |            | x                 | 12,00        | =    | 28,08 |       |    |
|                              | Luasan 4                 | 1,90                | x    | 0,90      |   |            | x                 | 2,00         | =    | 3,42  |       |    |
|                              | Luasan 5                 | 3,35                | x    | 0,90      |   |            | x                 | 2,00         | =    | 6,03  |       |    |
|                              | Luasan 6                 | 3,25                | x    | 0,90      |   |            | x                 | 2,00         | =    | 5,85  |       |    |
|                              | Luasan 7                 | 1,80                | x    | 0,90      |   |            | x                 | 2,00         | =    | 3,24  |       |    |
|                              | Luasan 8                 | 2,60                | x    | 1,75      |   |            | x                 | 2,00         | =    | 9,10  |       |    |
|                              | Luasan 9                 | 0,90                | x    | 3,35      |   |            | x                 | 4,00         | =    | 12,06 |       |    |
|                              | Luasan 10                | 0,90                | x    | 1,75      |   |            | x                 | 2,00         | =    | 3,15  |       |    |
|                              |                          |                     |      |           |   |            |                   | Jumlah Total | =    | 88,93 |       |    |
| b                            | Pek. Pembetonan Plat     | P                   | x    | L         | x | T          | x                 | Q            |      | =     | 8,99  | M3 |
|                              | Plat Tandon              |                     |      |           |   |            |                   |              |      |       |       |    |
|                              | Luasan 1                 | 1,30                | x    | 1,80      | x | 0,12       | x                 | 2,00         | =    | 0,56  |       |    |
|                              | Plat Tritisan            |                     |      |           |   |            |                   |              |      |       |       |    |
|                              | Luasan 1                 | 0,90                | x    | 0,90      | x | 0,10       | x                 | 4,00         | =    | 0,32  |       |    |
|                              | Luasan 2                 | 2,80                | x    | 0,90      | x | 0,10       | x                 | 4,00         | =    | 1,01  |       |    |
|                              | Luasan 3                 | 2,60                | x    | 0,90      | x | 0,10       | x                 | 12,00        | =    | 2,81  |       |    |
|                              | Luasan 4                 | 1,90                | x    | 0,90      | x | 0,10       | x                 | 2,00         | =    | 0,34  |       |    |
|                              | Luasan 5                 | 3,35                | x    | 0,90      | x | 0,10       | x                 | 2,00         | =    | 0,60  |       |    |
|                              | Luasan 6                 | 3,25                | x    | 0,90      | x | 0,10       | x                 | 2,00         | =    | 0,59  |       |    |
|                              | Luasan 7                 | 1,80                | x    | 0,90      | x | 0,10       | x                 | 2,00         | =    | 0,32  |       |    |
|                              | Luasan 8                 | 2,60                | x    | 1,75      | x | 0,10       | x                 | 2,00         | =    | 0,91  |       |    |
|                              | Luasan 9                 | 0,90                | x    | 3,35      | x | 0,10       | x                 | 4,00         | =    | 1,21  |       |    |
|                              | Luasan 10                | 0,90                | x    | 1,75      | x | 0,10       | x                 | 2,00         | =    | 0,32  |       |    |
|                              |                          |                     |      |           |   |            |                   | Jumlah Total | =    | 8,99  |       |    |
|                              | c                        | Pek. Pembesian Plat |      |           |   |            |                   |              |      |       |       |    |
| Besi Diameter 10 mm          |                          |                     |      |           |   |            |                   |              |      |       |       |    |
| Luasan Tandon (Arah X)       |                          |                     |      |           |   |            |                   |              |      |       |       |    |
| Lx                           |                          | 1,50                | m    |           |   |            |                   |              |      |       |       |    |
| Ly                           |                          | 2,00                | m    |           |   |            |                   |              |      |       |       |    |
| 1. Tumpuan X 1               |                          |                     |      |           |   |            |                   |              |      |       |       |    |
| Panjang (a)                  |                          | 1,50                | m    |           |   |            |                   |              |      |       |       |    |
| Panjang Total                |                          | 1,50                | m    |           |   |            |                   |              |      |       |       |    |
| Jarak Tulangan               |                          | 0,20                | m    |           |   |            |                   |              |      |       |       |    |
| Ukuran Besi                  |                          | 0,010               | m    |           |   |            |                   |              |      |       |       |    |
| Berat Tul                    |                          | 0,617               | Kg/m |           |   |            |                   |              |      |       |       |    |
| jumlah besi                  |                          | 5,00                | Bh   |           |   |            |                   |              |      |       |       |    |
| Panjang Besi 1 Luasan        |                          | 7,50                | m    |           |   |            |                   |              |      |       |       |    |
| Total Luasan                 |                          | 2,00                | Bh   |           |   |            |                   |              |      |       |       |    |
| Total Panjang Besi 1 Luasan  |                          | 15,00               | m    |           |   |            |                   |              |      |       |       |    |
| Berat Total Besi Tumpuan X 1 |                          | 9,26                | Kg   |           |   |            |                   |              |      |       |       |    |
| 2. Tumpuan X 2               |                          |                     |      |           |   |            |                   |              |      |       |       |    |
| Panjang (a)                  |                          | 1,50                | m    |           |   |            |                   |              |      |       |       |    |
| Panjang Total                |                          | 1,50                | m    |           |   |            |                   |              |      |       |       |    |
| Jarak Tulangan               |                          | 0,20                | m    |           |   |            |                   |              |      |       |       |    |
| Ukuran Besi                  |                          | 0,010               | m    |           |   |            |                   |              |      |       |       |    |
| Berat Tul                    |                          | 0,617               | Kg/m |           |   |            |                   |              |      |       |       |    |
| jumlah besi                  |                          | 5,00                | Bh   |           |   |            |                   |              |      |       |       |    |
| Panjang Besi 1 Luasan        |                          | 7,50                | m    |           |   |            |                   |              |      |       |       |    |
| Total Luasan                 |                          | 2,00                | Bh   |           |   |            |                   |              |      |       |       |    |
| Total Panjang Besi 1 Luasan  |                          | 15,00               | m    |           |   |            |                   |              |      |       |       |    |
| Berat Total Besi Tumpuan X 2 |                          | 9,26                | Kg   |           |   |            |                   |              |      |       |       |    |
| 3. Lapangan X 1              |                          |                     |      |           |   |            |                   |              |      |       |       |    |
| Panjang (a)                  |                          | 0,75                | m    |           |   |            |                   |              |      |       |       |    |
| Panjang (b)                  |                          | 0,38                | m    |           |   |            |                   |              |      |       |       |    |
|                              |                          | 0,38                | m    |           |   |            |                   |              |      |       |       |    |
| Panjang (c)                  |                          | 0,11                | m    |           |   |            |                   |              |      |       |       |    |
|                              |                          | 0,11                | m    |           |   |            |                   |              |      |       |       |    |
| Panjang Total                |                          | 1,73                | m    |           |   |            |                   |              |      |       |       |    |
| Jarak Tulangan               |                          | 0,20                | m    |           |   |            |                   |              |      |       |       |    |
| Ukuran Besi                  |                          | 0,010               | m    |           |   |            |                   |              |      |       |       |    |
| Berat Tul                    |                          | 0,617               | Kg/m |           |   |            |                   |              |      |       |       |    |
| jumlah besi                  |                          | 5,00                | Bh   |           |   |            |                   |              |      |       |       |    |

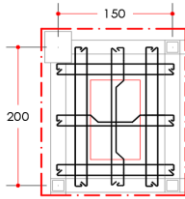


LUASAN TANDON - 02 BH

| NO. | URAIAN PEKERJAAN                      | URAIAN PERHITUNGAN |       |             |            |                   |       | VOLUME       | SAT.  |       |
|-----|---------------------------------------|--------------------|-------|-------------|------------|-------------------|-------|--------------|-------|-------|
|     |                                       | Panjang (P)        |       | Lebar (L)   | Tinggi (T) | Banyak Luasan (Q) | Total |              |       |       |
| 1   | 2                                     | 3                  |       | 4           | 5          | 6                 | 7     | 8            | 9     |       |
|     | Panjang Besi 1 Luasan                 | 8,63               | m     |             |            |                   |       |              |       |       |
|     | Total Luasan                          | 2,00               | Bh    |             |            |                   |       |              |       |       |
|     | Total Panjang Besi 1 Luasan           | 17,26              | m     |             |            |                   |       |              |       |       |
|     | Berat Total Besi lapangan X 1         | 10,65              | Kg    |             |            |                   |       |              |       |       |
|     |                                       |                    |       |             |            |                   |       |              |       |       |
|     | 4. Lapangan X 2                       |                    |       |             |            |                   |       |              |       |       |
|     | Panjang (a)                           | 1,50               | m     |             |            |                   |       |              |       |       |
|     | Panjang Total                         | 1,50               | m     |             |            |                   |       |              |       |       |
|     | Jarak Tulangan                        | 0,20               | m     |             |            |                   |       |              |       |       |
|     | Ukuran Besi                           | 0,010              | m     |             |            |                   |       |              |       |       |
|     | Berat Tul                             | 0,617              | Kg/m  |             |            |                   |       |              |       |       |
|     | jumlah besi                           | 5,00               | Bh    |             |            |                   |       |              |       |       |
|     | Panjang Besi 1 Luasan                 | 7,50               | m     |             |            |                   |       |              |       |       |
|     | Total Luasan                          | 2,00               | Bh    |             |            |                   |       |              |       |       |
|     | Total Panjang Besi 1 Luasan           | 15,00              | m     |             |            |                   |       |              |       |       |
|     | Berat Total Besi Lapangan X 2         | 9,26               | Kg    |             |            |                   |       |              |       |       |
|     | Total Penulangan Luasan Tandon Arah X | Tumpuan X 1        | +     | Tumpuan X 2 | +          | Lapangan X 1      | +     | Lapangan X 1 | =     | 38,42 |
|     |                                       | 9,26               | +     | 9,26        | +          | 10,65             | +     | 9,26         |       |       |
|     | Luasan Tandon (Arah Y)                |                    |       |             |            |                   |       |              |       |       |
|     | Lx                                    | 1,50               | m     |             |            |                   |       |              |       |       |
|     | Ly                                    | 2,00               | m     |             |            |                   |       |              |       |       |
|     | 1. Tumpuan Y 1                        |                    |       |             |            |                   |       |              |       |       |
|     | Panjang (a)                           | 2,00               | m     |             |            |                   |       |              |       |       |
|     | Panjang Total                         | 2,00               | m     |             |            |                   |       |              |       |       |
|     | Jarak Tulangan                        | 0,20               | m     |             |            |                   |       |              |       |       |
|     | Ukuran Besi                           | 0,010              | m     |             |            |                   |       |              |       |       |
|     | Berat Tul                             | 0,617              | Kg/m  |             |            |                   |       |              |       |       |
|     | jumlah besi                           | 4,00               | Bh    |             |            |                   |       |              |       |       |
|     | Panjang Besi 1 Luasan                 | 8,00               | m     |             |            |                   |       |              |       |       |
|     | Total Luasan                          | 2,00               | Bh    |             |            |                   |       |              |       |       |
|     | Total Panjang Besi 1 Luasan           | 16,00              | m     |             |            |                   |       |              |       |       |
|     | Berat Total Besi Tumpuan Y 1          | 9,87               | Kg    |             |            |                   |       |              |       |       |
|     | 2. Tumpuan Y 2                        |                    |       |             |            |                   |       |              |       |       |
|     | Panjang (a)                           | 2,00               | m     |             |            |                   |       |              |       |       |
|     | Panjang Total                         | 2,00               | m     |             |            |                   |       |              |       |       |
|     | Jarak Tulangan                        | 0,20               | m     |             |            |                   |       |              |       |       |
|     | Ukuran Besi                           | 0,010              | m     |             |            |                   |       |              |       |       |
|     | Berat Tul                             | 0,617              | Kg/m  |             |            |                   |       |              |       |       |
|     | jumlah besi                           | 4,00               | Bh    |             |            |                   |       |              |       |       |
|     | Panjang Besi 1 Luasan                 | 8,00               | m     |             |            |                   |       |              |       |       |
|     | Total Luasan                          | 2,00               | Bh    |             |            |                   |       |              |       |       |
|     | Total Panjang Besi 1 Luasan           | 16,00              | m     |             |            |                   |       |              |       |       |
|     | Berat Total Besi Tumpuan Y 2          | 9,87               | Kg    |             |            |                   |       |              |       |       |
|     | 3. Lapangan Y 1                       |                    |       |             |            |                   |       |              |       |       |
|     | Panjang (a)                           | 1,00               | m     |             |            |                   |       |              |       |       |
|     | Panjang (b)                           | 0,50               | m     |             |            |                   |       |              |       |       |
|     |                                       | 0,50               | m     |             |            |                   |       |              |       |       |
|     | Panjang (c)                           | 0,11               | m     |             |            |                   |       |              |       |       |
|     |                                       | 0,11               | m     |             |            |                   |       |              |       |       |
|     | Panjang Total                         | 2,23               | m     |             |            |                   |       |              |       |       |
|     | Jarak Tulangan                        | 0,20               | m     |             |            |                   |       |              |       |       |
|     | Ukuran Besi                           | 0,010              | m     |             |            |                   |       |              |       |       |
|     | Berat Tul                             | 0,617              | Kg/m  |             |            |                   |       |              |       |       |
|     | jumlah besi                           | 4,00               | Bh    |             |            |                   |       |              |       |       |
|     | Panjang Besi 1 Luasan                 | 8,91               | m     |             |            |                   |       |              |       |       |
|     | Total Luasan                          | 2,00               | Bh    |             |            |                   |       |              |       |       |
|     | Total Panjang Besi 1 Luasan           | 17,81              | m     |             |            |                   |       |              |       |       |
|     | Berat Total Besi lapangan Y 1         | 10,99              | Kg    |             |            |                   |       |              |       |       |
|     | 4. Lapangan Y 2                       |                    |       |             |            |                   |       |              |       |       |
|     | Panjang (a)                           | 2,00               | m     |             |            |                   |       |              |       |       |
|     | Panjang Total                         | 2,00               | m     |             |            |                   |       |              |       |       |
|     | Jarak Tulangan                        | 0,20               | m     |             |            |                   |       |              |       |       |
|     | Ukuran Besi                           | 0,010              | m     |             |            |                   |       |              |       |       |
|     | Berat Tul                             | 0,617              | Kg/m  |             |            |                   |       |              |       |       |
|     | jumlah besi                           | 4,00               | Bh    |             |            |                   |       |              |       |       |
|     | Panjang Besi 1 Luasan                 | 8,00               | m     |             |            |                   |       |              |       |       |
|     | Total Luasan                          | 2,00               | Bh    |             |            |                   |       |              |       |       |
|     | Total Panjang Besi 1 Luasan           | 16,00              | m     |             |            |                   |       |              |       |       |
|     | Berat Total Besi Lapangan Y 2         | 9,87               | Kg    |             |            |                   |       |              |       |       |
|     | Total Penulangan Luasan Tandon Arah Y | Tumpuan Y 1        | +     | Tumpuan Y 2 | +          | Lapangan Y 1      | +     | Lapangan Y 2 | =     | 40,60 |
|     |                                       | 9,87               | +     | 9,87        | +          | 10,99             | +     | 9,87         |       |       |
|     | Total Penulangan Luasan Tandon        | Arah X             | +     | Arah Y      |            |                   |       |              |       |       |
|     | 38,42                                 | +                  | 40,60 |             |            |                   |       |              | 79,02 |       |



LUASAN TANDON - 02 BH



| NO.                                      | URAIAN PEKERJAAN                         | URAIAN PERHITUNGAN |                  |           |                  |              |                   | VOLUME  | SAT.   |       |
|------------------------------------------|------------------------------------------|--------------------|------------------|-----------|------------------|--------------|-------------------|---------|--------|-------|
|                                          |                                          | Panjang (P)        |                  | Lebar (L) |                  | Tinggi (T)   | Banyak Luasan (Q) |         |        | Total |
| 1                                        | 2                                        | 3                  |                  | 4         |                  | 5            | 6                 | 7       | 8      | 9     |
|                                          | Area Tritisasi Luasan 1                  |                    |                  |           |                  |              |                   |         |        |       |
|                                          | Lx                                       | 39,00              | m                |           |                  |              |                   |         |        |       |
|                                          | Ly                                       | 0,90               | m                |           |                  |              |                   |         |        |       |
|                                          | 1. Arah X                                |                    |                  |           |                  |              |                   |         |        |       |
|                                          | Panjang (a)                              | 39,00              | m                |           |                  |              |                   |         |        |       |
|                                          | Panjang Total                            | 39,00              | m                |           |                  |              |                   |         |        |       |
|                                          | Jarak Tulangan                           | 0,10               | m                |           |                  |              |                   |         |        |       |
|                                          | Ukuran Besi                              | 0,010              | m                |           |                  |              |                   |         |        |       |
|                                          | Berat Tul                                | 0,617              | Kg/m             |           |                  |              |                   |         |        |       |
|                                          | jumlah besi                              | 9,00               | Bh               |           |                  |              |                   |         |        |       |
|                                          | Panjang Besi 1 Luasan                    | 351,00             | m                |           |                  |              |                   |         |        |       |
|                                          | Total Luasan                             | 2,00               | Bh               |           |                  |              |                   |         |        |       |
|                                          | Total Panjang Besi 1 Luasan              | 702,00             | m                |           |                  |              |                   |         |        |       |
|                                          | Berat Total Besi Tumpuan X               | 433,13             | Kg               |           |                  |              |                   |         |        |       |
|                                          | 1. Arah Y                                |                    |                  |           |                  |              |                   |         |        |       |
|                                          | Panjang (a)                              | 0,90               | m                |           |                  |              |                   |         |        |       |
|                                          | Panjang Total                            | 0,90               | m                |           |                  |              |                   |         |        |       |
|                                          | Jarak Tulangan                           | 0,10               | m                |           |                  |              |                   |         |        |       |
|                                          | Ukuran Besi                              | 0,010              | m                |           |                  |              |                   |         |        |       |
|                                          | Berat Tul                                | 0,617              | Kg/m             |           |                  |              |                   |         |        |       |
|                                          | jumlah besi                              | 390,00             | Bh               |           |                  |              |                   |         |        |       |
|                                          | Panjang Besi 1 Luasan                    | 351,00             | m                |           |                  |              |                   |         |        |       |
|                                          | Total Luasan                             | 2,00               | Bh               |           |                  |              |                   |         |        |       |
|                                          | Total Panjang Besi 1 Luasan              | 702,00             | m                |           |                  |              |                   |         |        |       |
|                                          | Berat Total Besi Tumpuan Y               | 433,13             | Kg               |           |                  |              |                   |         |        |       |
|                                          | Total Penulangan Area Tritisasi Luasan 1 | Arah X             | +                | Arah Y    |                  |              |                   |         |        |       |
|                                          |                                          | 433,13             | +                | 433,13    |                  |              | =                 | 866,27  |        |       |
|                                          | Area Tritisasi Luasan 2                  |                    |                  |           |                  |              |                   |         |        |       |
|                                          | Lx                                       | 0,90               | m                |           |                  |              |                   |         |        |       |
|                                          | Ly                                       | 8,85               | m                |           |                  |              |                   |         |        |       |
|                                          | 1. Arah X                                |                    |                  |           |                  |              |                   |         |        |       |
|                                          | Panjang (a)                              | 0,90               | m                |           |                  |              |                   |         |        |       |
|                                          | Panjang Total                            | 0,90               | m                |           |                  |              |                   |         |        |       |
|                                          | Jarak Tulangan                           | 0,10               | m                |           |                  |              |                   |         |        |       |
|                                          | Ukuran Besi                              | 0,010              | m                |           |                  |              |                   |         |        |       |
|                                          | Berat Tul                                | 0,617              | Kg/m             |           |                  |              |                   |         |        |       |
|                                          | jumlah besi                              | 88,00              | Bh               |           |                  |              |                   |         |        |       |
|                                          | Panjang Besi 1 Luasan                    | 79,20              | m                |           |                  |              |                   |         |        |       |
|                                          | Total Luasan                             | 2,00               | Bh               |           |                  |              |                   |         |        |       |
|                                          | Total Panjang Besi 1 Luasan              | 158,40             | m                |           |                  |              |                   |         |        |       |
|                                          | Berat Total Besi Tumpuan X               | 97,73              | Kg               |           |                  |              |                   |         |        |       |
|                                          | 1. Arah Y                                |                    |                  |           |                  |              |                   |         |        |       |
|                                          | Panjang (a)                              | 8,85               | m                |           |                  |              |                   |         |        |       |
|                                          | Panjang Total                            | 8,85               | m                |           |                  |              |                   |         |        |       |
|                                          | Jarak Tulangan                           | 0,10               | m                |           |                  |              |                   |         |        |       |
|                                          | Ukuran Besi                              | 0,010              | m                |           |                  |              |                   |         |        |       |
|                                          | Berat Tul                                | 0,617              | Kg/m             |           |                  |              |                   |         |        |       |
|                                          | jumlah besi                              | 9,00               | Bh               |           |                  |              |                   |         |        |       |
|                                          | Panjang Besi 1 Luasan                    | 79,65              | m                |           |                  |              |                   |         |        |       |
|                                          | Total Luasan                             | 2,00               | Bh               |           |                  |              |                   |         |        |       |
| Total Panjang Besi 1 Luasan              | 159,30                                   | m                  |                  |           |                  |              |                   |         |        |       |
| Berat Total Besi Tumpuan Y               | 98,29                                    | Kg                 |                  |           |                  |              |                   |         |        |       |
| Total Penulangan Area Tritisasi Luasan 3 | Arah X                                   | +                  | Arah Y           |           |                  |              |                   |         |        |       |
|                                          | 97,73                                    | +                  | 98,29            |           |                  | =            | 196,02            |         |        |       |
| Total Penulangan                         | Area WC                                  | +                  | Area Tritisasi 1 | +         | Area Tritisasi 2 |              |                   |         |        |       |
|                                          | 79,02                                    | +                  | 866,27           | +         | 196,02           | =            | 1141,31           |         |        |       |
|                                          |                                          |                    |                  |           |                  | Jumlah Total | =                 | 1141,31 |        |       |
| 8                                        | Pek. Ringbalk                            | P                  |                  |           |                  | x            | Q                 | =       | 165,40 | M'    |
|                                          | Bagian Atap                              | 37,10              |                  |           |                  | x            | 2,00              | =       | 74,20  |       |
|                                          |                                          | 8,90               |                  |           |                  | x            | 2,00              | =       | 17,80  |       |
|                                          | Pagar Pembatas                           | 1,60               |                  |           |                  | x            | 2,00              | =       | 3,20   |       |
|                                          |                                          | 2,75               |                  |           |                  | x            | 2,00              | =       | 5,50   |       |
|                                          |                                          | 2,55               |                  |           |                  | x            | 6,00              | =       | 15,30  |       |
|                                          |                                          | 1,85               |                  |           |                  | x            | 1,00              | =       | 1,85   |       |
|                                          |                                          | 3,30               |                  |           |                  | x            | 1,00              | =       | 3,30   |       |
|                                          |                                          | 3,20               |                  |           |                  | x            | 1,00              | =       | 3,20   |       |
|                                          |                                          | 1,75               |                  |           |                  | x            | 1,00              | =       | 1,75   |       |
|                                          |                                          | 2,60               |                  |           |                  | x            | 1,00              | =       | 2,60   |       |

| NO.    | URAIAN PEKERJAAN                | URAIAN PERHITUNGAN      |       |           |            |                   |      | VOLUME | SAT. |        |    |        |   |        |    |
|--------|---------------------------------|-------------------------|-------|-----------|------------|-------------------|------|--------|------|--------|----|--------|---|--------|----|
|        |                                 | Panjang (P)             |       | Lebar (L) | Tinggi (T) | Banyak Luasan (Q) |      |        |      | Total  |    |        |   |        |    |
| 1      | 2                               | 3                       |       | 4         | 5          | 6                 |      | 7      | 8    | 9      |    |        |   |        |    |
| B<br>1 | Bagian Latei Selasar            | 1,60                    |       |           | x          | 2,00              | =    | 3,20   | =    | 351,58 | M2 |        |   |        |    |
|        |                                 | 2,75                    |       |           | x          | 2,00              | =    | 5,50   |      |        |    |        |   |        |    |
|        |                                 | 2,55                    |       |           | x          | 6,00              | =    | 15,30  |      |        |    |        |   |        |    |
|        |                                 | 1,85                    |       |           | x          | 1,00              | =    | 1,85   |      |        |    |        |   |        |    |
|        |                                 | 3,30                    |       |           | x          | 1,00              | =    | 3,30   |      |        |    |        |   |        |    |
|        |                                 | 3,20                    |       |           | x          | 1,00              | =    | 3,20   |      |        |    |        |   |        |    |
|        |                                 | 1,75                    |       |           | x          | 1,00              | =    | 1,75   |      |        |    |        |   |        |    |
|        |                                 | 2,60                    |       |           | x          | 1,00              | =    | 2,60   |      |        |    |        |   |        |    |
|        |                                 |                         |       |           |            | Jumlah Total      | =    | 165,40 |      |        |    |        |   |        |    |
|        | PEKERJAAN DINDING               |                         |       |           |            |                   |      |        |      |        |    |        |   |        |    |
|        | Pek. Pasang Dinding Bata Ringan | P                       | x     | T         | x          | Q                 |      |        |      |        |    |        |   |        |    |
|        | R. kelas                        |                         |       |           |            |                   |      |        |      |        |    |        |   |        |    |
|        | Arah x                          | 2,45                    | x     | 3,45      | x          | 12,00             | =    | 101,43 |      |        |    |        |   |        |    |
|        |                                 | 1,75                    | x     | 3,45      | x          | 2,00              | =    | 12,08  |      |        |    |        |   |        |    |
|        |                                 | 3,20                    | x     | 3,45      | x          | 2,00              | =    | 22,08  |      |        |    |        |   |        |    |
|        |                                 | 3,10                    | x     | 3,45      | x          | 2,00              | =    | 21,39  |      |        |    |        |   |        |    |
|        |                                 | 1,65                    | x     | 3,45      | x          | 2,00              | =    | 11,39  |      |        |    |        |   |        |    |
|        |                                 | 2,65                    | x     | 3,45      | x          | 2,00              | =    | 18,29  |      |        |    |        |   |        |    |
|        |                                 | 2,50                    | x     | 3,45      | x          | 2,00              | =    | 17,25  |      |        |    |        |   |        |    |
|        | Arah Y                          | 3,10                    | x     | 3,45      | x          | 10,00             | =    | 106,95 |      |        |    |        |   |        |    |
|        | Area WC                         | 1,25                    | x     | 0,65      | x          | 4,00              | =    | 3,25   |      |        |    |        |   |        |    |
|        |                                 | 1,70                    | x     | 0,65      | x          | 2,00              | =    | 2,21   |      |        |    |        |   |        |    |
|        |                                 | 3,10                    | x     | 2,50      | x          | 2,00              | =    | 15,50  |      |        |    |        |   |        |    |
|        | Area Pintu WC Bordes 2          | 1,35                    | x     | 2,10      | x          | 2,00              | =    | 5,67   |      |        |    |        |   |        |    |
|        |                                 | 1,85                    | x     | 2,10      | x          | 1,00              | =    | 3,89   |      |        |    |        |   |        |    |
|        | Pagar Pembatas                  | 1,60                    | x     | 1,10      | x          | 2,00              | =    | 3,52   |      |        |    |        |   |        |    |
|        |                                 | 2,75                    | x     | 1,10      | x          | 2,00              | =    | 6,05   |      |        |    |        |   |        |    |
|        |                                 | 2,55                    | x     | 1,10      | x          | 6,00              | =    | 16,83  |      |        |    |        |   |        |    |
|        |                                 | 1,85                    | x     | 1,10      | x          | 1,00              | =    | 2,04   |      |        |    |        |   |        |    |
|        |                                 | 3,30                    | x     | 1,10      | x          | 1,00              | =    | 3,63   |      |        |    |        |   |        |    |
|        |                                 | 3,20                    | x     | 1,10      | x          | 1,00              | =    | 3,52   |      |        |    |        |   |        |    |
|        |                                 | 1,75                    | x     | 1,10      | x          | 1,00              | =    | 1,93   |      |        |    |        |   |        |    |
|        |                                 | 2,60                    | x     | 1,10      | x          | 1,00              | =    | 2,86   |      |        |    |        |   |        |    |
|        | Diatas balok Latei              | 1,60                    | x     | 0,20      | x          | 2,00              | =    | 0,64   |      |        |    |        |   |        |    |
|        |                                 | 2,75                    | x     | 0,20      | x          | 2,00              | =    | 1,10   |      |        |    |        |   |        |    |
|        |                                 | 2,55                    | x     | 0,20      | x          | 6,00              | =    | 3,06   |      |        |    |        |   |        |    |
|        |                                 | 1,85                    | x     | 0,20      | x          | 1,00              | =    | 0,37   |      |        |    |        |   |        |    |
|        |                                 | 3,30                    | x     | 0,20      | x          | 1,00              | =    | 0,66   |      |        |    |        |   |        |    |
|        |                                 | 3,20                    | x     | 0,20      | x          | 1,00              | =    | 0,64   |      |        |    |        |   |        |    |
|        |                                 | 1,75                    | x     | 0,20      | x          | 1,00              | =    | 0,35   |      |        |    |        |   |        |    |
|        |                                 | 2,60                    | x     | 0,20      | x          | 1,00              | =    | 0,52   |      |        |    |        |   |        |    |
|        | Penambahan Tinggi Bagian Atap   | 2,85                    | x     | 0,40      | x          | 4,00              | =    | 4,56   |      |        |    |        |   |        |    |
|        |                                 | 2,65                    | x     | 0,40      | x          | 12,00             | =    | 12,72  |      |        |    |        |   |        |    |
|        |                                 | 1,95                    | x     | 0,40      | x          | 2,00              | =    | 1,56   |      |        |    |        |   |        |    |
|        |                                 | 3,40                    | x     | 0,40      | x          | 2,00              | =    | 2,72   |      |        |    |        |   |        |    |
|        |                                 | 3,30                    | x     | 0,40      | x          | 2,00              | =    | 2,64   |      |        |    |        |   |        |    |
|        |                                 | 1,85                    | x     | 0,40      | x          | 2,00              | =    | 1,48   |      |        |    |        |   |        |    |
|        |                                 | 2,70                    | x     | 0,40      | x          | 2,00              | =    | 2,16   |      |        |    |        |   |        |    |
|        |                                 | 3,40                    | x     | 0,40      | x          | 4,00              | =    | 5,44   |      |        |    |        |   |        |    |
|        |                                 | 1,80                    | x     | 0,40      | x          | 2,00              | =    | 1,44   |      |        |    |        |   |        |    |
|        | Pengurangan Pintu DII           |                         |       |           |            |                   |      |        |      |        |    |        |   |        |    |
|        | Pintu R. Kelas                  | 1,32                    | x     | 2,60      | x          | 4,00              | =    | -13,73 |      |        |    |        |   |        |    |
|        | J2                              | 1,50                    | x     | 1,45      | x          | 2,00              | =    | -4,35  |      |        |    |        |   |        |    |
|        | J3                              | 2,14                    | x     | 1,45      | x          | 16,00             | =    | -49,65 |      |        |    |        |   |        |    |
|        | Pintu Toilet                    | 0,80                    | x     | 2,05      | x          | 2,00              | =    | -3,28  |      |        |    |        |   |        |    |
|        | Glasblock                       | 1,00                    | x     | 0,60      | x          | 2,00              | =    | -1,20  |      |        |    |        |   |        |    |
|        |                                 |                         |       |           |            | Jumlah Total      | =    | 351,58 |      |        |    |        |   |        |    |
|        | 2                               | Pek. Pasang Glass Block | P     | x         | T          | x                 | Q    |        |      |        |    |        | = | 1,20   | M2 |
|        |                                 |                         | 1,00  | x         | 0,60       | x                 | 2,00 | =      |      |        |    | 1,20   |   |        |    |
|        |                                 |                         |       |           |            | Jumlah Total      | =    | 1,20   |      |        |    |        |   |        |    |
|        | 3                               | Pek. Plesteran          | P     | x         | T          | x                 | Q    |        |      |        |    |        | = | 857,21 | M2 |
|        |                                 | Bagian Dalam            |       |           |            |                   |      |        |      |        |    |        |   |        |    |
|        |                                 | R. kelas                |       |           |            |                   |      |        |      |        |    |        |   |        |    |
|        |                                 | Arah x                  | 8,30  | x         | 3,45       | x                 | 4,00 | =      |      |        |    | 114,54 |   |        |    |
|        |                                 |                         | 8,35  | x         | 3,45       | x                 | 4,00 | =      |      |        |    | 115,23 |   |        |    |
|        |                                 | Arah y Toilet           | 6,95  | x         | 3,45       | x                 | 8,00 | =      |      |        |    | 191,82 |   |        |    |
|        |                                 | Arah x                  | 1,35  | x         | 0,65       | x                 | 4,00 | =      |      |        |    | 3,51   |   |        |    |
|        |                                 | Arah y                  | 1,85  | x         | 0,65       | x                 | 4,00 | =      |      |        |    | 4,81   |   |        |    |
|        |                                 | Bagian Luar             |       |           |            |                   |      |        |      |        |    |        |   |        |    |
|        |                                 | R. Kelas                |       |           |            |                   |      |        |      |        |    |        |   |        |    |
|        |                                 | Depan                   | 34,30 | x         | 3,45       | x                 | 1,00 | =      |      |        |    | 118,34 |   |        |    |
|        |                                 | Belakang                | 37,30 | x         | 3,75       | x                 | 1,00 | =      |      |        |    | 139,88 |   |        |    |
|        |                                 | Samping                 | 7,55  | x         | 3,75       | x                 | 2,00 | =      |      |        |    | 56,63  |   |        |    |
|        |                                 | Tangga                  | 5,25  | x         | 3,45       | x                 | 2,00 | =      |      |        |    | 36,23  |   |        |    |
|        |                                 | Depan WC                | 2,85  | x         | 2,40       | x                 | 1,00 | =      |      |        |    | 6,84   |   |        |    |
|        |                                 | Bagian Samping Tandon   | 3,10  | x         | 2,50       | x                 | 2,00 | =      |      |        |    | 15,50  |   |        |    |
|        |                                 |                         | 2,85  | x         | 2,50       | x                 | 1,00 | =      |      |        |    | 7,13   |   |        |    |

| NO. | URAIAN PEKERJAAN                      | URAIAN PERHITUNGAN |   |              |   |            |                   |              | VOLUME | SAT.   |        |        |        |    |
|-----|---------------------------------------|--------------------|---|--------------|---|------------|-------------------|--------------|--------|--------|--------|--------|--------|----|
|     |                                       | Panjang (P)        |   | Lebar (L)    |   | Tinggi (T) | Banyak Luasan (Q) |              |        |        | Total  |        |        |    |
| 1   | 2                                     | 3                  |   | 4            |   | 5          |                   | 6            |        | 7      | 8      | 9      |        |    |
|     | Pagar Pembatas                        | 1,60               |   |              | x | 1,30       | x                 | 2,00         | =      | 4,16   |        |        |        |    |
|     | Bagian Dalam                          | 36,90              |   |              | x | 1,30       | x                 | 1,00         | =      | 47,97  |        |        |        |    |
|     | Bagian Luar + Latei Lt 2              | 1,60               |   |              | x | 2,05       | x                 | 2,00         | =      | 6,56   |        |        |        |    |
|     |                                       | 36,90              |   |              | x | 2,05       | x                 | 1,00         | =      | 75,65  |        |        |        |    |
|     | Latei atas (Lt 3)                     | 1,60               |   |              | x | 0,50       | x                 | 2,00         | =      | 1,60   |        |        |        |    |
|     |                                       | 36,90              |   |              | x | 0,50       | x                 | 1,00         | =      | 18,45  |        |        |        |    |
|     | Penambahan Tinggi Bagian Atap         | 37,10              |   |              | x | 0,40       | x                 | 2,00         | =      | 29,68  |        |        |        |    |
|     |                                       | 8,90               |   |              | x | 0,40       | x                 | 2,00         | =      | 7,12   |        |        |        |    |
|     | Pengurangan                           |                    |   |              |   |            |                   |              |        |        |        |        |        |    |
|     | Pintu R. Kelas                        | 1,32               |   |              | x | 2,60       | x                 | 8,00         | =      | -27,46 |        |        |        |    |
|     | J2                                    | 1,50               |   |              | x | 1,45       | x                 | 4,00         | =      | -8,70  |        |        |        |    |
|     | J3                                    | 2,14               |   |              | x | 1,45       | x                 | 32,00        | =      | -99,30 |        |        |        |    |
|     | Pintu Toilet                          | 0,80               |   |              | x | 2,05       | x                 | 4,00         | =      | -6,56  |        |        |        |    |
|     | Rooster                               | 1,00               |   |              | x | 0,60       | x                 | 4,00         | =      | -2,40  |        |        |        |    |
|     |                                       |                    |   |              |   |            |                   | Jumlah Total | =      | 857,21 |        |        |        |    |
|     | 4                                     | Pek. Acian         | P | x            | L |            |                   | x            | Q      | =      | 857,21 | =      | 954,39 | M2 |
|     |                                       | Luasan Plesteran   |   |              |   |            |                   |              |        | =      | 857,21 |        |        |    |
|     | Acian Dak Tandon                      | 2,00               | x | 2,80         |   |            | x                 | 1,00         | =      | 5,60   |        |        |        |    |
|     | Acian Dak Tritisan                    | 39,00              | x | 0,95         |   |            | x                 | 2,00         | =      | 74,10  |        |        |        |    |
|     |                                       | 0,95               | x | 9,20         |   |            | x                 | 2,00         | =      | 17,48  |        |        |        |    |
|     |                                       |                    |   |              |   |            | Jumlah Total      | =            | 954,39 |        |        |        |        |    |
| C   | PEKERJAAN KUSEN, PINTU DAN TERALIS    |                    |   |              |   |            |                   |              |        |        |        |        |        |    |
| 1   | Pek. Kusen Pintu dan Jendela Uk. 5/10 | P                  |   |              |   |            |                   | Q            | =      | 239,90 | =      | 239,90 | M'     |    |
|     | Pintu R. Kelas                        | 8,05               |   |              |   |            | x                 | 4,00         | =      | 32,20  |        |        |        |    |
|     | J2                                    | 8,25               |   |              |   |            | x                 | 2,00         | =      | 16,50  |        |        |        |    |
|     | J3                                    | 11,35              |   |              |   |            | x                 | 16,00        | =      | 181,60 |        |        |        |    |
|     | Pintu WC                              | 4,80               |   |              |   |            | x                 | 2,00         | =      | 9,60   |        |        |        |    |
|     |                                       |                    |   |              |   |            | Jumlah Total      | =            | 239,90 |        |        |        |        |    |
| 2   | Pek. Pintu Kayu Benuas                |                    |   | L            | x | T          | x                 | Q            | =      | 12,64  | =      | 12,64  | M2     |    |
|     | Pintu R. Kelas                        |                    |   | 0,60         | x | 2,05       | x                 | 8,00         | =      | 9,84   |        |        |        |    |
|     | Pintu WC                              |                    |   | 0,70         | x | 2,00       | x                 | 2,00         | =      | 2,80   |        |        |        |    |
|     |                                       |                    |   |              |   |            | Jumlah Total      | =            | 12,64  |        |        |        |        |    |
| 3   | Pek. Daun Jendela                     |                    |   | L            | x | T          | x                 | Q            | =      | 19,89  | =      | 19,89  | M2     |    |
|     | J2                                    |                    |   | 0,65         | x | 0,85       | x                 | 4,00         | =      | 2,21   |        |        |        |    |
|     | J3                                    |                    |   | 0,65         | x | 0,85       | x                 | 32,00        | =      | 17,68  |        |        |        |    |
|     |                                       |                    |   |              |   |            | Jumlah Total      | =            | 19,89  |        |        |        |        |    |
| 4   | Pek. Pemasangan Kaca 5 mm             |                    |   | L            | x | T          | x                 | Q            | =      | 36,15  | =      | 36,15  | M2     |    |
|     | Pintu R. Kelas                        |                    |   | 0,55         | x | 0,45       | x                 | 10,00        | =      | 2,48   |        |        |        |    |
|     | Jendela                               |                    |   |              |   |            |                   |              |        |        |        |        |        |    |
|     | J2                                    |                    |   |              |   |            |                   |              |        |        |        |        |        |    |
|     | Bagian Atas (Mati)                    |                    |   | 0,65         | x | 0,45       | x                 | 4,00         | =      | 1,17   |        |        |        |    |
|     | Bagian Bawah (Hidup)                  |                    |   | 0,50         | x | 0,65       | x                 | 4,00         | =      | 1,30   |        |        |        |    |
|     | J3                                    |                    |   |              |   |            |                   |              |        |        |        |        |        |    |
|     | Bagian Atas (Mati)                    |                    |   | 0,65         | x | 0,45       | x                 | 32,00        | =      | 9,36   |        |        |        |    |
|     |                                       |                    |   | 0,55         | x | 0,45       | x                 | 16,00        | =      | 3,96   |        |        |        |    |
|     | Bagian Bawah (Hidup)                  |                    |   | 0,50         | x | 0,65       | x                 | 32,00        | =      | 10,40  |        |        |        |    |
|     | Bagian Bawah (Mati)                   |                    |   | 0,55         | x | 0,85       | x                 | 16,00        | =      | 7,48   |        |        |        |    |
|     |                                       |                    |   |              |   |            | Jumlah Total      | =            | 36,15  |        |        |        |        |    |
| 5   | Pek. Pasang Kunci Tanam Pintu         |                    |   |              |   |            |                   |              |        |        | =      | 6,00   | Bh     |    |
| 6   | Pek. Pasang Engsel Pintu 5"           | Jlh. Pintu         | x | Jlh. Engsel  |   |            |                   |              |        |        | =      | 30,00  | Bh     |    |
|     | Pintu Utama                           | 8,00               | x | 3,00         |   |            |                   |              | =      | 24,00  |        |        |        |    |
|     | Pintu Toilet                          | 2,00               | x | 3,00         |   |            |                   |              | =      | 6,00   |        |        |        |    |
|     |                                       |                    |   |              |   |            | Jumlah Total      | =            | 30,00  |        |        |        |        |    |
| 7   | Pek. Engsel Jendela                   | Jlh. Jendela       | x | Jlh. Engsel  |   |            |                   |              |        |        | =      | 72,00  | Bh     |    |
|     | J2                                    | 4,00               | x | 2,00         |   |            |                   |              | =      | 8,00   |        |        |        |    |
|     | J3                                    | 32,00              | x | 2,00         |   |            |                   |              | =      | 64,00  |        |        |        |    |
|     |                                       |                    |   |              |   |            | Jumlah Total      | =            | 72,00  |        |        |        |        |    |
| 8   | Pek. Kait Angin                       | Jlh. Jendela       | x | Jlh. Kait    |   |            |                   |              |        |        | =      | 72,00  | Bh     |    |
|     | J2                                    | 4,00               | x | 2,00         |   |            |                   |              | =      | 8,00   |        |        |        |    |
|     | J3                                    | 32,00              | x | 2,00         |   |            |                   |              | =      | 64,00  |        |        |        |    |
|     |                                       |                    |   |              |   |            | Jumlah Total      | =            | 72,00  |        |        |        |        |    |
| 9   | Pek. Pemasangan Grendel Jendela       | Jlh. Jendela       | x | Jlh. Grendel |   |            |                   |              |        |        | =      | 36,00  | Bh     |    |
|     | J2                                    | 4,00               | x | 1,00         |   |            |                   |              | =      | 4,00   |        |        |        |    |
|     | J3                                    | 32,00              | x | 1,00         |   |            |                   |              | =      | 32,00  |        |        |        |    |
|     |                                       |                    |   |              |   |            | Jumlah Total      | =            | 36,00  |        |        |        |        |    |
| 10  | Pek. Pemasangan Grendel Pintu         | Jlh. Pintu         | x | Jlh. Grendel |   |            |                   |              |        |        | =      | 10,00  | Bh     |    |
|     | Pintu Utama                           | 8,00               | x | 1,00         |   |            |                   |              | =      | 8,00   |        |        |        |    |
|     | Pintu Toilet                          | 2,00               | x | 1,00         |   |            |                   |              | =      | 2,00   |        |        |        |    |
|     |                                       |                    |   |              |   |            | Jumlah Total      | =            | 10,00  |        |        |        |        |    |

| NO.              | URAIAN PEKERJAAN                                     | URAIAN PERHITUNGAN                      |      |           |      |            |                   | VOLUME       | SAT. |        |        |    |
|------------------|------------------------------------------------------|-----------------------------------------|------|-----------|------|------------|-------------------|--------------|------|--------|--------|----|
|                  |                                                      | Panjang (P)                             |      | Lebar (L) |      | Tinggi (T) | Banyak Luasan (Q) |              |      | Total  |        |    |
| 1                | 2                                                    | 3                                       |      | 4         |      | 5          | 6                 | 7            | 8    | 9      |        |    |
| 11               | Pek. Pembuatan dan Pemasangan Hand Railing Stainless |                                         |      |           |      |            |                   |              | =    | 36,70  | M'     |    |
|                  | Pagar Pembatas                                       | 1,60                                    |      |           |      |            | x                 | 2,00         | =    | 3,20   |        |    |
|                  |                                                      | 2,75                                    |      |           |      |            | x                 | 2,00         | =    | 5,50   |        |    |
|                  |                                                      | 2,55                                    |      |           |      |            | x                 | 6,00         | =    | 15,30  |        |    |
|                  |                                                      | 1,85                                    |      |           |      |            | x                 | 1,00         | =    | 1,85   |        |    |
|                  |                                                      | 3,30                                    |      |           |      |            | x                 | 1,00         | =    | 3,30   |        |    |
|                  |                                                      | 3,20                                    |      |           |      |            | x                 | 1,00         | =    | 3,20   |        |    |
|                  |                                                      | 1,75                                    |      |           |      |            | x                 | 1,00         | =    | 1,75   |        |    |
|                  |                                                      | 2,60                                    |      |           |      |            | x                 | 1,00         | =    | 2,60   |        |    |
|                  |                                                      |                                         |      |           |      |            |                   | Jumlah Total | =    | 36,70  |        |    |
| 12               | Pek. Pembuatan dan Pemasangan Teralis                | P                                       | x    | L         |      |            | x                 | Q            |      |        |        |    |
|                  | J2                                                   | 1,50                                    | x    | 1,45      |      |            | x                 | 16,00        | =    | 34,80  |        |    |
|                  | J3                                                   | 2,10                                    | x    | 1,45      |      |            | x                 | 2,00         | =    | 6,09   |        |    |
|                  |                                                      |                                         |      |           |      |            |                   | Jumlah Total | =    | 40,89  | M2     |    |
| D<br>1           | PEKERJAAN LANTAI                                     |                                         |      |           |      |            |                   |              |      |        |        |    |
|                  | Pek. Pasang Keramik 60x60                            | P                                       | x    | L         |      |            | x                 | Q            |      |        |        |    |
|                  | R. Kelas                                             | 8,30                                    | x    | 6,95      |      |            | x                 | 2,00         | =    | 115,37 |        |    |
|                  |                                                      | 8,35                                    | x    | 6,95      |      |            | x                 | 2,00         | =    | 116,07 |        |    |
|                  | Selasar                                              | 36,90                                   | x    | 1,85      |      |            | x                 | 1,00         | =    | 68,27  |        |    |
|                  | Diatas R. Guru                                       | 2,35                                    | x    | 1,50      |      |            | x                 | 1,00         | =    | 3,53   |        |    |
|                  |                                                      | 9,40                                    | x    | 8,70      |      |            | x                 | 1,00         | =    | 81,78  |        |    |
|                  |                                                      |                                         |      |           |      |            |                   | Jumlah Total | =    | 385,01 | M2     |    |
|                  | 2                                                    | Pek. Pasang Plint Keramik 8x60          | P    | +         | L    |            |                   | x            | Q    |        |        |    |
|                  |                                                      | R. Kelas                                | 8,30 | +         | 6,95 |            |                   | x            | 4,00 | =      | 61,00  |    |
|                  |                                                      | 8,35                                    | +    | 6,95      |      |            | x                 | 4,00         | =    | 61,20  |        |    |
| Selasar          |                                                      |                                         |      |           |      |            |                   |              |      |        |        |    |
| Dinding R. Kelas |                                                      | 34,10                                   |      |           |      |            | x                 | 1,00         | =    | 34,10  |        |    |
| Dinding Pembatas |                                                      | 36,90                                   |      |           |      |            | x                 | 1,00         | =    | 36,90  |        |    |
|                  |                                                      | 1,85                                    |      |           |      |            | x                 | 2,00         | =    | 3,70   |        |    |
| Pengurangan      |                                                      |                                         |      |           |      |            |                   |              |      |        |        |    |
| Pintu R. Kelas   |                                                      | 1,30                                    |      |           |      |            | x                 | 8,00         | =    | -10,40 |        |    |
|                  |                                                      |                                         |      |           |      |            |                   | Jumlah Total | =    | 186,50 | M'     |    |
| 3                | Pek. Pasang Keramik 25x25 Kasar                      | P                                       | x    | L         |      |            | x                 | Q            |      |        |        |    |
|                  | WC Bordes 1                                          | 1,85                                    | x    | 1,35      |      |            | x                 | 2,00         | =    | 5,00   |        |    |
|                  | Pengurangan                                          |                                         |      |           |      |            |                   |              |      |        |        |    |
|                  | Kloset dan Bak                                       | 0,70                                    | x    | 1,35      |      |            | x                 | 2,00         | =    | -1,89  |        |    |
|                  |                                                      |                                         |      |           |      |            | Jumlah Total      | =            | 3,11 | M'     |        |    |
| 4                | Pek. Pasang Keramik Dinding 25x40                    | P                                       |      |           | x    | T          | x                 | Q            |      |        |        |    |
|                  | WC                                                   | 1,85                                    |      |           | x    | 1,20       | x                 | 4,00         | =    | 8,88   |        |    |
|                  |                                                      | 1,35                                    |      |           | x    | 1,20       | x                 | 4,00         | =    | 6,48   |        |    |
|                  | Pengurangan                                          |                                         |      |           |      |            |                   |              |      |        |        |    |
|                  | Pintu Toilet                                         | 0,80                                    |      |           | x    | 1,20       | x                 | 2,00         | =    | -1,92  |        |    |
|                  |                                                      |                                         |      |           |      |            |                   | Jumlah Total | =    | 13,44  | M'     |    |
| E<br>1           | PEKERJAAN ATAP                                       |                                         |      |           |      |            |                   |              |      |        |        |    |
|                  | Pek. Pemasangan Rangka Atap Baja Ringan              |                                         |      |           |      |            |                   |              |      |        |        |    |
|                  | Bagian Depan                                         | a                                       | +    | b         | /    | 2,00       | x                 | t            |      |        |        |    |
|                  |                                                      | 38,40                                   | +    | 27,90     | /    | 2,00       | x                 | 6,05         | =    | 200,56 |        |    |
|                  |                                                      | 38,40                                   | +    | 27,90     | /    | 2,00       | x                 | 6,05         | =    | 200,56 |        |    |
|                  | Bagian Samping                                       | 0,50                                    | x    | a         | x    | t          |                   |              |      |        |        |    |
|                  |                                                      | 0,50                                    | x    | 10,50     | x    | 6,05       |                   |              | =    | 31,76  |        |    |
|                  |                                                      | 0,50                                    | x    | 10,55     | x    | 6,05       |                   |              | =    | 31,91  |        |    |
|                  |                                                      |                                         |      |           |      |            |                   | Jumlah Total | =    | 464,79 | M2     |    |
|                  | 2                                                    | Pek. Penutup Atap Inspiro Charcoal Blue |      |           |      |            |                   |              |      | =      | 464,79 | M2 |
| 3                | Pek. Pemasangan Bubungan                             |                                         |      |           |      |            |                   |              |      | =      | 52,10  | M' |
|                  | Atas                                                 | 27,90                                   |      |           |      |            | x                 | 1,00         | =    | 27,90  |        |    |
|                  | Jurai                                                | 6,05                                    |      |           |      |            | x                 | 4,00         | =    | 24,20  |        |    |
|                  |                                                      |                                         |      |           |      |            |                   | Jumlah Total | =    | 52,10  |        |    |
| 4                | Pek. Lisplank Papan Benuas                           | P                                       |      |           |      |            | x                 | Q            |      |        |        |    |
|                  | Depan                                                | 38,40                                   |      |           |      |            | x                 | 1,00         | =    | 38,40  |        |    |
|                  | Belakang                                             | 38,40                                   |      |           |      |            | x                 | 1,00         | =    | 38,40  |        |    |
|                  | Samping                                              | 10,50                                   |      |           |      |            | x                 | 1,00         | =    | 10,50  |        |    |
|                  |                                                      | 10,50                                   |      |           |      |            | x                 | 1,00         | =    | 10,50  |        |    |
|                  |                                                      |                                         |      |           |      |            |                   | Jumlah Total | =    | 97,80  | M'     |    |
| F<br>1           | PEKERJAAN PLAFOND                                    |                                         |      |           |      |            |                   |              |      |        |        |    |
|                  | Pek. Rangka Plafond Hollow                           | P                                       | x    | L         |      |            | x                 | Q            |      |        |        |    |
|                  | R Kelas                                              | 8,30                                    | x    | 6,95      |      |            | x                 | 2,00         | =    | 115,37 |        |    |
|                  |                                                      | 8,35                                    | x    | 6,95      |      |            | x                 | 2,00         | =    | 116,07 |        |    |
|                  | Selasar                                              | 36,90                                   | x    | 1,85      |      |            | x                 | 1,00         | =    | 68,27  |        |    |
|                  | Bagian Tangga                                        | 2,85                                    | x    | 7,10      |      |            | x                 | 1,00         | =    | 20,24  |        |    |
|                  | Bagian Talang                                        |                                         |      |           |      |            |                   |              |      |        |        |    |
|                  | Depan                                                | 39,00                                   | x    | 0,90      |      |            | x                 | 1,00         | =    | 35,10  |        |    |
|                  | Belakang                                             | 39,00                                   | x    | 0,90      |      |            | x                 | 1,00         | =    | 35,10  |        |    |
|                  | Samping                                              | 9,25                                    | x    | 0,90      |      |            | x                 | 1,00         | =    | 8,33   |        |    |
|                  |                                                      | 9,25                                    | x    | 0,90      |      |            | x                 | 1,00         | =    | 8,33   |        |    |
|                  |                                                      |                                         |      |           |      |            |                   | Jumlah Total | =    | 406,79 | M2     |    |

| NO. | URAIAN PEKERJAAN                                | URAIAN PERHITUNGAN |   |            |   |            |                   | VOLUME | SAT.   |        |        |       |
|-----|-------------------------------------------------|--------------------|---|------------|---|------------|-------------------|--------|--------|--------|--------|-------|
|     |                                                 | Panjang (P)        |   | Lebar (L)  |   | Tinggi (T) | Banyak Luasan (Q) |        |        | Total  |        |       |
| 1   | 2                                               | 3                  |   | 4          |   | 5          |                   | 6      |        | 7      | 8      | 9     |
| 2   | Pek. Plafond PVC                                |                    |   |            |   |            |                   |        |        | =      | 406,79 | M2    |
| 3   | Pek. List PVC                                   | P                  | + | L          |   | x          | Q                 |        |        | =      | 407,55 | M'    |
|     | R Kelas                                         | 8,30               | + | 6,95       |   | x          | 4,00              | =      | 61,00  |        |        |       |
|     |                                                 | 8,35               | + | 6,95       |   | x          | 4,00              | =      | 61,20  |        |        |       |
|     | Selasar                                         | 34,15              | + | 1,85       |   | x          | 1,00              | =      | 36,00  |        |        |       |
|     |                                                 | 36,90              | + | 8,95       |   | x          | 1,00              | =      | 45,85  |        |        |       |
|     |                                                 | 2,85               | + | 7,25       |   | x          | 1,00              | =      | 10,10  |        |        |       |
|     | Bagian Talang                                   |                    |   |            |   |            |                   |        |        |        |        |       |
|     | Bagian Dinding                                  | 37,35              | + | 9,25       |   | x          | 2,00              | =      | 93,20  |        |        |       |
|     | Bagian Talang                                   | 39,00              | + | 11,10      |   | x          | 2,00              | =      | 100,20 |        |        |       |
|     |                                                 |                    |   |            |   |            | Jumlah Total      | =      | 407,55 |        |        |       |
| G   | PEKERJAAN PENGECATAN                            |                    |   |            |   |            |                   |        |        |        |        |       |
| 1   | Pek. Pengecatan Dinding Interior                | P                  |   |            | x | T          | Q                 |        |        | =      | 339,37 | M2    |
|     |                                                 | 8,30               |   |            | x | 3,30       | x                 | 4,00   | =      | 109,56 |        |       |
|     |                                                 | 8,35               |   |            | x | 3,30       | x                 | 4,00   | =      | 110,22 |        |       |
|     |                                                 | 6,95               |   |            | x | 3,30       | x                 | 8,00   | =      | 183,48 |        |       |
|     | WC                                              | 1,35               |   |            | x | 0,65       | x                 | 4,00   | =      | 3,51   |        |       |
|     |                                                 | 1,85               |   |            | x | 0,65       | x                 | 4,00   | =      | 4,81   |        |       |
|     | Pengurangan                                     |                    |   |            |   |            |                   |        |        |        |        |       |
|     | Pintu R. Kelas                                  | 1,32               |   |            | x | 2,60       | x                 | 4,00   | =      | -13,73 |        |       |
|     | J2                                              | 1,50               |   |            | x | 1,45       | x                 | 2,00   | =      | -4,35  |        |       |
|     | J3                                              | 2,14               |   |            | x | 1,45       | x                 | 16,00  | =      | -49,65 |        |       |
|     | Pintu Toilet                                    | 0,80               |   |            | x | 2,05       | x                 | 2,00   | =      | -3,28  |        |       |
|     | Glassblock                                      | 1,00               |   |            | x | 0,60       | x                 | 2,00   | =      | -1,20  |        |       |
|     |                                                 |                    |   |            |   |            | Jumlah Total      | =      | 339,37 |        |        |       |
| 2   | Pek. Pengecatan Dinding Eksterior               | P                  |   |            | x | T          | Q                 |        |        | =      | 223,49 | M2    |
|     | Depan                                           | 34,30              |   |            | x | 3,25       | x                 | 1,00   | =      | 111,48 |        |       |
|     | Belakang                                        | 2,20               |   |            | x | 3,30       | x                 | 4,00   | =      | 29,04  |        |       |
|     |                                                 | 2,25               |   |            | x | 3,30       | x                 | 3,00   | =      | 22,28  |        |       |
|     |                                                 | 2,40               |   |            | x | 3,30       | x                 | 2,00   | =      | 15,84  |        |       |
|     |                                                 | 2,80               |   |            | x | 3,30       | x                 | 1,00   | =      | 9,24   |        |       |
|     |                                                 | 2,95               |   |            | x | 3,30       | x                 | 1,00   | =      | 9,74   |        |       |
|     |                                                 | 1,50               |   |            | x | 3,30       | x                 | 1,00   | =      | 4,95   |        |       |
|     | Samping                                         | 7,55               |   |            | x | 3,30       | x                 | 1,00   | =      | 24,92  |        |       |
|     | Bagian Tangga                                   | 5,25               |   |            | x | 3,25       | x                 | 2,00   | =      | 34,13  |        |       |
|     | Bagian Tandon                                   | 3,10               |   |            | x | 2,50       | x                 | 2,00   | =      | 15,50  |        |       |
|     |                                                 | 2,85               |   |            | x | 2,50       | x                 | 2,00   | =      | 14,25  |        |       |
|     | Pengurangan                                     |                    |   |            |   |            |                   |        |        |        |        |       |
|     | Pintu R. Kelas                                  | 1,32               |   |            | x | 2,60       | x                 | 4,00   | =      | -13,73 |        |       |
|     | J2                                              | 1,50               |   |            | x | 1,45       | x                 | 2,00   | =      |        |        |       |
|     | J3                                              | 2,14               |   |            | x | 1,45       | x                 | 16,00  | =      | -49,65 |        |       |
|     | Pintu Toilet                                    | 0,80               |   |            | x | 2,05       | x                 | 2,00   | =      | -3,28  |        |       |
|     | Glassblock                                      | 1,00               |   |            | x | 0,60       | x                 | 2,00   | =      | -1,20  |        |       |
|     |                                                 |                    |   |            |   |            | Jumlah Total      | =      | 223,49 |        |        |       |
| 3   | Pek. Pengecatan Kusen, Pintu dan Listplank      | P                  |   |            | x | T          | Q                 |        |        | =      | 80,82  | M2    |
|     | Kusen                                           | 239,90             |   |            | x | 0,15       | x                 | 1,00   | =      | 35,99  |        |       |
|     | Pintu R. Kelas                                  | 0,60               |   |            | x | 2,05       | x                 | 16,00  | =      | 19,68  |        |       |
|     | Pintu Toilet                                    | 0,70               |   |            | x | 2,00       | x                 | 4,00   | =      | 5,60   |        |       |
|     | Listplank                                       | 97,80              |   |            | x | 0,20       | x                 | 1,00   | =      | 19,56  |        |       |
|     |                                                 |                    |   |            |   |            | Jumlah Total      | =      | 80,82  |        |        |       |
| H   | PEKERJAAN INSTALASI LISTRIK                     |                    |   |            |   |            |                   |        |        |        |        |       |
| 1   | Pek. Pasang Titik Lampu + Instalasinya          | Jlh. Titik         | x | Jlh. Ruang |   |            |                   |        |        | =      | 44,00  | Titik |
|     | R. Kelas                                        | 8,00               | x | 4,00       |   |            |                   | =      | 32,00  |        |        |       |
|     | Selasar                                         | 8,00               | x | 1,00       |   |            |                   | =      | 8,00   |        |        |       |
|     | Area Pojok Talang                               | 4,00               | x | 1,00       |   |            |                   | =      | 4,00   |        |        |       |
|     |                                                 |                    |   |            |   |            | Jumlah Total      | =      | 44,00  |        |        |       |
| 2   | Pek. Pasang Downlight Corong                    |                    |   |            |   |            |                   |        |        | =      | 40,00  | Titik |
| 3   | Pek. Pasang Lampu Phillips 9 Watt               |                    |   |            |   |            |                   |        |        | =      | 40,00  | Titik |
| 4   | Pek. Pasang Lampu LED Outbow 12 Watt            |                    |   |            |   |            |                   |        |        | =      | 4,00   | Titik |
| 5   | Pek. Pasang Saklar Tunggal + Instalasi          |                    |   |            |   |            |                   |        |        | =      | 11,00  | Titik |
| 6   | Pek. Pasang Stopkontak                          |                    |   |            |   |            |                   |        |        | =      | 4,00   | Titik |
| I   | PEKERJAAN INSTALASI SANITASI                    |                    |   |            |   |            |                   |        |        |        |        |       |
| 1   | Pek. Pasang Pipa PVC 3/4" Air Bersih            |                    |   |            |   |            |                   |        |        | =      | 32,00  | M'    |
| 2   | Pek. Pasang Pipa PVC 2" Air Kotor               |                    |   |            |   |            |                   |        |        | =      | 20,00  | M'    |
| 3   | Pek. Pasang Pipa PVC 4" Closed                  |                    |   |            |   |            |                   |        |        | =      | 24,00  | M'    |
| 4   | Pek. Pasang Kran 3/4"                           |                    |   |            |   |            |                   |        |        | =      | 2,00   | Bh    |
| 5   | Pek. Pasang Toilet Jongkok                      |                    |   |            |   |            |                   |        |        | =      | 2,00   | Bh    |
| 6   | Pek. Pasang Bak Mandi Fiber 40 Liter            |                    |   |            |   |            |                   |        |        | =      | 2,00   | Bh    |
| 7   | Pek. Pasang Floordrain                          |                    |   |            |   |            |                   |        |        | =      | 2,00   | Bh    |
| 8   | Pek. Pemasangan Tandon Air 800Liter + Instalasi |                    |   |            |   |            |                   |        |        | =      | 1,00   | Bh    |
| 9   | Pek. Pemasangan Pipa Talang Air 2,5"            | P                  |   |            |   | x          | Q                 |        |        | =      | 528,00 | M'    |
|     | Depan                                           | 16,00              |   |            |   | x          | 11,00             | =      | 176,00 |        |        |       |
|     | Belakang                                        | 16,00              |   |            |   | x          | 14,00             | =      | 224,00 |        |        |       |
|     | Samping                                         | 16,00              |   |            |   | x          | 4,00              | =      | 64,00  |        |        |       |
|     |                                                 | 16,00              |   |            |   | x          | 4,00              | =      | 64,00  |        |        |       |
|     |                                                 |                    |   |            |   |            | Jumlah Total      | =      | 528,00 |        |        |       |

| NO. | URAIAN PEKERJAAN                             | URAIAN PERHITUNGAN |   |           |  |            |                   | VOLUME | SAT.   |       |        |       |
|-----|----------------------------------------------|--------------------|---|-----------|--|------------|-------------------|--------|--------|-------|--------|-------|
|     |                                              | Panjang (P)        |   | Lebar (L) |  | Tinggi (T) | Banyak Luasan (Q) |        |        | Total |        |       |
| 1   | 2                                            | 3                  |   | 4         |  | 5          |                   | 6      |        | 7     | 8      | 9     |
| J   | PEKERJAAN ORNAMEN DAN HIASAN DINDING         |                    |   |           |  |            |                   |        |        |       |        |       |
| 1   | Pek. Pemasangan Rangka + ACP                 | P                  | x | L         |  | x          | Q                 | =      |        |       | 902,04 | M2    |
|     | Bagian Listplank                             | 39,50              | x | 1,39      |  | x          | 2,00              | =      | 109,81 |       |        |       |
|     |                                              | 11,25              | x | 1,39      |  | x          | 2,00              | =      | 31,28  |       |        |       |
|     | Kolom Lantai 1                               | 1,92               | x | 3,60      |  | x          | 14,00             | =      | 96,77  |       |        |       |
|     | Kolom Sudut Lantai 1 Kiri                    | 1,74               | x | 3,60      |  | x          | 1,00              | =      | 6,26   |       |        |       |
|     | Kolom Sudut Lantai 1 Kanan                   | 0,85               | x | 3,60      |  | x          | 1,00              | =      | 3,06   |       |        |       |
|     | Kolom Lantai 2                               | 1,92               | x | 1,85      |  | x          | 14,00             | =      | 49,73  |       |        |       |
|     | Bagian Belakang Pagar Pembatas               | 0,92               | x | 1,30      |  | x          | 14,00             | =      | 16,74  |       |        |       |
|     | Kolom Sudut Lantai 2 Kiri                    | 1,74               | x | 1,85      |  | x          | 1,00              | =      | 3,22   |       |        |       |
|     | Kolom Sudut Lantai 2 Kanan                   | 0,85               | x | 1,85      |  | x          | 1,00              | =      | 1,57   |       |        |       |
|     | Kolom Lantai 3                               | 1,92               | x | 1,75      |  | x          | 14,00             | =      | 47,04  |       |        |       |
|     | Bagian Belakang Pagar Pembatas               | 0,92               | x | 1,30      |  | x          | 14,00             | =      | 16,74  |       |        |       |
|     | Kolom Sudut Lantai 3 Kiri                    | 1,74               | x | 1,75      |  | x          | 1,00              | =      | 3,05   |       |        |       |
|     | Kolom Sudut Lantai 3 Kanan                   | 0,85               | x | 1,75      |  | x          | 1,00              | =      | 1,49   |       |        |       |
|     | Bagian Pagar Pembatas Depan                  | 2,29               | x | 14,95     |  | x          | 2,00              | =      | 68,47  |       |        |       |
|     |                                              | 2,29               | x | 20,00     |  | x          | 2,00              | =      | 91,60  |       |        |       |
|     | Bagian Kanan (Bagian Tulisan)                | 7,90               | x | 11,70     |  | x          | 1,00              | =      | 92,43  |       |        |       |
|     | Kolom Belakang                               | 1,12               | x | 11,70     |  | x          | 10,00             | =      | 131,04 |       |        |       |
|     | Kolom Sudut Lantai 1 Kiri                    | 1,75               | x | 11,70     |  | x          | 1,00              | =      | 20,48  |       |        |       |
|     | Kolom Sudut Lantai 1 Kanan                   | 0,85               | x | 11,70     |  | x          | 1,00              | =      | 9,95   |       |        |       |
|     | Balok Belakang                               | 1,17               | x | 2,20      |  | x          | 8,00              | =      | 20,59  |       |        |       |
|     |                                              | 1,17               | x | 2,25      |  | x          | 6,00              | =      | 15,80  |       |        |       |
|     |                                              | 1,17               | x | 2,80      |  | x          | 2,00              | =      | 6,55   |       |        |       |
|     |                                              | 1,17               | x | 2,95      |  | x          | 2,00              | =      | 6,90   |       |        |       |
|     |                                              | 1,17               | x | 1,50      |  | x          | 2,00              | =      | 3,51   |       |        |       |
|     |                                              | 1,17               | x | 2,40      |  | x          | 4,00              | =      | 11,23  |       |        |       |
|     | Bagian Telawang                              | 3,14               | x | 11,70     |  | x          | 1,00              | =      | 36,74  |       |        |       |
|     |                                              |                    |   |           |  |            | Jumlah Total      | =      | 902,04 |       |        |       |
| 2   | Pek. Pembuatan dan Pemasangan Neon Box       |                    |   |           |  |            |                   |        |        | =     | 1,00   | Paket |
|     | Logo "TUT WURI HANDAYANI" Akrilik            |                    |   |           |  |            |                   |        |        | =     | 1,00   | Paket |
| 3   | Pek. Pembuatan dan Pemasangan Neon Box       |                    |   |           |  |            |                   |        |        | =     | 1,00   | Paket |
|     | Logo "PEMKOT" Akrilik                        |                    |   |           |  |            |                   |        |        | =     | 1,00   | Paket |
| 4   | Pek. Pembuatan dan Pemasangan Neon Box       |                    |   |           |  |            |                   |        |        | =     | 1,00   | Paket |
|     | Tulisan Sekolah Akrilik                      |                    |   |           |  |            |                   |        |        | =     | 1,00   | Paket |
| 5   | Pek. Pembuatan dan Pemasangan Ornamen        |                    |   |           |  |            |                   |        |        | =     | 1,00   | Paket |
|     | Batang Garing Akrilik                        |                    |   |           |  |            |                   |        |        | =     | 1,00   | Paket |
| 6   | Pek. Pembuatan dan Pemasangan Ornamen        |                    |   |           |  |            |                   |        |        | =     | 1,00   | Paket |
|     | Telawang Akrilik                             |                    |   |           |  |            |                   |        |        | =     | 1,00   | Paket |
| 7   | Pembuatan Pagar Pembatas Galvanis            | P                  | x | T         |  |            |                   |        |        | =     | 54,80  | M2    |
|     | Pagar A                                      | 10,20              | x | 2,00      |  |            |                   | =      | 20,40  |       |        |       |
|     | Pagar B                                      | 8,60               | x | 2,00      |  |            |                   | =      | 17,20  |       |        |       |
|     | Pagar C                                      | 7,00               | x | 2,00      |  |            |                   | =      | 14,00  |       |        |       |
|     | Pagar D                                      | 1,60               | x | 2,00      |  |            |                   | =      | 3,20   |       |        |       |
|     |                                              |                    |   |           |  |            | Jumlah Total      | =      | 54,80  |       |        |       |
| K   | PENGADAAN PERABOT RUANG KELAS                |                    |   |           |  |            |                   |        |        |       |        |       |
| 1   | Pengadaan Lemari Buku Besi                   |                    |   |           |  |            |                   |        |        | =     | 8,00   | Bh    |
| 2   | Pengadaan Meja + Kursi Guru ( 1/2 Biro)      |                    |   |           |  |            |                   |        |        | =     | 8,00   | Bh    |
| 3   | Pengadaan Meja + Kursi Siswa                 |                    |   |           |  |            |                   |        |        | =     | 223,00 | Bh    |
| 4   | Pengadaan Papan Tulis / Whiteboard (120x240) |                    |   |           |  |            |                   |        |        | =     | 8,00   | Bh    |
| L   | PEKERJAAN FINISHING                          |                    |   |           |  |            |                   |        |        |       |        |       |
| 1   | Pembuatan Prasasti                           |                    |   |           |  |            |                   |        |        | =     | 1,00   | Bh    |

ANALISA HARGA SATUAN PEKERJAAN 2023

| PEKERJAAN PENDAHULUAN                                                            |                                                        |      |        |           |                 |                 |
|----------------------------------------------------------------------------------|--------------------------------------------------------|------|--------|-----------|-----------------|-----------------|
| 1.1.4.2 Pasang Bouwplank m'                                                      |                                                        |      |        |           |                 |                 |
| No                                                                               | Uraian                                                 | Kode | Satuan | Koefisien | HargaSatuan(Rp) | JumlahHarga(Rp) |
| A                                                                                | Tenaga Kerja                                           |      |        |           |                 |                 |
|                                                                                  | Pekerja                                                | L.01 | OH     | 0,0120    | Rp 178.000,00   | Rp 2.136,00     |
|                                                                                  | Tukang Kayu                                            | L.02 | OH     | 0,0060    | Rp 183.000,00   | Rp 1.098,00     |
|                                                                                  | Kepala Tukang                                          | L.03 | OH     | 0,0006    | Rp 210.000,00   | Rp 126,00       |
|                                                                                  | Mandor                                                 | L.04 | OH     | 0,0012    | Rp 262.000,00   | Rp 314,40       |
| Jumlah Harga Tenaga Kerja                                                        |                                                        |      |        |           |                 | Rp 3.674,40     |
| B                                                                                | Bahan                                                  |      |        |           |                 |                 |
|                                                                                  | Kaso 5/7 cm                                            |      | m3     | 0,013     | Rp 2.725.000,00 | Rp 35.425,00    |
|                                                                                  | Kayu papan 2/20 cm kayu hutan                          |      | m3     | 0,007     | Rp 1.890.000,00 | Rp 13.230,00    |
|                                                                                  | Paku campuran 2 cm dan 5 cm                            |      | kg     | 0,02      | Rp 24.000,00    | Rp 480,00       |
| Jumlah Harga Bahan                                                               |                                                        |      |        |           |                 | Rp 49.135,00    |
| C                                                                                | Peralatan                                              |      |        |           |                 |                 |
|                                                                                  | waterpass                                              |      | hari   | 0,006     | Rp -            | Rp -            |
| Jumlah Harga Alat                                                                |                                                        |      |        |           |                 | Rp -            |
| D                                                                                | Jumlah Harga Tenaga Kerja, Bahan dan Peralatan (A+B+C) |      |        |           |                 | Rp 52.809,40    |
| E                                                                                | Biaya Umum dan Keuntungan (10% - 15%) x D              |      |        |           | 15% x D         | Rp 7.921,41     |
| F                                                                                | Harga Satuan Pekerjaan (D+E)                           |      |        |           |                 | Rp 60.730,81    |
| PEKERJAAN TANAH                                                                  |                                                        |      |        |           |                 |                 |
| 1.2.1.1.1 Pengggalian tanah biasa sedalam 1m' (untuk volume 0 m3 s.d. 200 m3)    |                                                        |      |        |           |                 |                 |
| No                                                                               | Uraian                                                 | Kode | Satuan | Koefisien | HargaSatuan(Rp) | JumlahHarga(Rp) |
| A                                                                                | Tenaga Kerja                                           |      |        |           |                 |                 |
|                                                                                  | Pekerja                                                | L.01 | OH     | 0,750     | Rp 178.000,00   | Rp 133.500,00   |
|                                                                                  | Mandor                                                 | L.04 | OH     | 0,038     | Rp 262.000,00   | Rp 9.956,00     |
| Jumlah Harga Tenaga Kerja                                                        |                                                        |      |        |           |                 | Rp 143.456,00   |
| B                                                                                | Bahan                                                  |      |        |           |                 |                 |
| Jumlah Harga Bahan                                                               |                                                        |      |        |           |                 |                 |
| C                                                                                | Peralatan                                              |      |        |           |                 |                 |
| Jumlah Harga Alat                                                                |                                                        |      |        |           |                 |                 |
| D                                                                                | Jumlah Harga Tenaga Kerja, Bahan dan Peralatan (A+B+C) |      |        |           |                 | Rp 143.456,00   |
| E                                                                                | Biaya Umum dan Keuntungan (10% - 15%) x D              |      |        |           | 15% x D         | Rp 21.518,40    |
| F                                                                                | Harga Satuan Pekerjaan (D+E)                           |      |        |           |                 | Rp 164.974,40   |
| 1.2.1.1.2 Pengggalian tanah biasa sedalam 1m' (untuk volume 200 m3 s.d. 2000 m3) |                                                        |      |        |           |                 |                 |
|                                                                                  | Uraian                                                 | Kode | Satuan | Koefisien | HargaSatuan(Rp) | JumlahHarga(Rp) |
| A                                                                                | Tenaga Kerja                                           |      |        |           |                 |                 |
|                                                                                  | Pekerja                                                | L.01 | OH     | 0,5630    | Rp 178.000,00   | Rp 100.214,00   |
|                                                                                  | Mandor                                                 | L.04 | OH     | 0,0563    | Rp 262.000,00   | Rp 14.750,60    |
| Jumlah Harga Tenaga Kerja                                                        |                                                        |      |        |           |                 | Rp 114.964,60   |
| B                                                                                | Bahan                                                  |      |        |           |                 |                 |
| Jumlah Harga Bahan                                                               |                                                        |      |        |           |                 |                 |
| C                                                                                | Peralatan                                              |      |        |           |                 |                 |
| Jumlah Harga Alat                                                                |                                                        |      |        |           |                 |                 |
| D                                                                                | Jumlah Harga Tenaga Kerja, Bahan dan Peralatan (A+B+C) |      |        |           |                 | Rp 114.964,60   |
| E                                                                                | Biaya Umum dan Keuntungan (10% - 15%) x D              |      |        |           | 15% x D         | Rp 17.244,69    |
| F                                                                                | Harga Satuan Pekerjaan (D+E)                           |      |        |           |                 | Rp 132.209,29   |

| 1.2.1.1.4 Pengggalian tanah biasa sedalam 1m' - 2m' (untuk volume 0 m3 - 200 m3) |                                                        |      |        |           |                 |                 |
|----------------------------------------------------------------------------------|--------------------------------------------------------|------|--------|-----------|-----------------|-----------------|
|                                                                                  | Uraian                                                 | Kode | Satuan | Koefisien | HargaSatuan(Rp) | JumlahHarga(Rp) |
| A                                                                                | Tenaga Kerja                                           |      |        |           |                 |                 |
|                                                                                  | Pekerja                                                | L.01 | OH     | 0,9000    | Rp 178.000,00   | Rp 160.200,00   |
|                                                                                  | Mandor                                                 | L.04 | OH     | 0,0450    | Rp 262.000,00   | Rp 11.790,00    |
| Jumlah Harga Tenaga Kerja                                                        |                                                        |      |        |           |                 | Rp 171.990,00   |
| B                                                                                | Bahan                                                  |      |        |           |                 |                 |
| Jumlah Harga Bahan                                                               |                                                        |      |        |           |                 |                 |
| C                                                                                | Peralatan                                              |      |        |           |                 |                 |
| Jumlah Harga Alat                                                                |                                                        |      |        |           |                 |                 |
| D                                                                                | Jumlah Harga Tenaga Kerja, Bahan dan Peralatan (A+B+C) |      |        |           |                 | Rp 171.990,00   |
| E                                                                                | Biaya Umum dan Keuntungan (10% - 15%) x D              |      |        |           | 15% x D         | Rp 25.798,50    |
| F                                                                                | Harga Satuan Pekerjaan (D+E)                           |      |        |           |                 | Rp 197.788,50   |
| 1.2.1.1.5 Pengggalian tanah biasa sedalam 1m' - 2 (untuk volume >200 m3)         |                                                        |      |        |           |                 |                 |
|                                                                                  | Uraian                                                 | Kode | Satuan | Koefisien | HargaSatuan(Rp) | JumlahHarga(Rp) |
| A                                                                                | Tenaga Kerja                                           |      |        |           |                 |                 |
|                                                                                  | Pekerja                                                | L.01 | OH     | 0,6750    | Rp 178.000,00   | Rp 120.150,00   |
|                                                                                  | Mandor                                                 | L.04 | OH     | 0,0675    | Rp 262.000,00   | Rp 17.685,00    |
| Jumlah Harga Tenaga Kerja                                                        |                                                        |      |        |           |                 | Rp 137.835,00   |
| B                                                                                | Bahan                                                  |      |        |           |                 |                 |
| Jumlah Harga Bahan                                                               |                                                        |      |        |           |                 |                 |
| C                                                                                | Peralatan                                              |      |        |           |                 |                 |
| Jumlah Harga Alat                                                                |                                                        |      |        |           |                 |                 |
| D                                                                                | Jumlah Harga Tenaga Kerja, Bahan dan Peralatan (A+B+C) |      |        |           |                 | Rp 137.835,00   |
| E                                                                                | Biaya Umum dan Keuntungan (10% - 15%) x D              |      |        |           | 15% x D         | Rp 20.675,25    |
| F                                                                                | Harga Satuan Pekerjaan (D+E)                           |      |        |           |                 | Rp 158.510,25   |
| 1.3.1.1 Urukan kembali galian tanah tanpa pemadatan (m3)                         |                                                        |      |        |           |                 |                 |
|                                                                                  | Uraian                                                 | Kode | Satuan | Koefisien | HargaSatuan(Rp) | JumlahHarga(Rp) |
| A                                                                                | Tenaga Kerja                                           |      |        |           |                 |                 |
|                                                                                  | Pekerja                                                | L.01 | OH     | 0,5000    | Rp 178.000,00   | Rp 89.000,00    |
|                                                                                  | Mandor                                                 | L.04 | OH     | 0,0250    | Rp 262.000,00   | Rp 6.550,00     |
| Jumlah Harga Tenaga Kerja                                                        |                                                        |      |        |           |                 | Rp 95.550,00    |
| B                                                                                | Bahan                                                  |      |        |           |                 |                 |
| Jumlah Harga Bahan                                                               |                                                        |      |        |           |                 |                 |
| C                                                                                | Peralatan                                              |      |        |           |                 |                 |
| Jumlah Harga Alat                                                                |                                                        |      |        |           |                 |                 |
| D                                                                                | Jumlah Harga Tenaga Kerja, Bahan dan Peralatan (A+B+C) |      |        |           |                 | Rp 95.550,00    |
| E                                                                                | Biaya Umum dan Keuntungan (10% - 15%) x D              |      |        |           | 15% x D         | Rp 14.332,50    |
| F                                                                                | Harga Satuan Pekerjaan (D+E)                           |      |        |           |                 | Rp 109.882,50   |
| 1.3.1.2 Urukan dengan pasir urug ( vol 0 m3 - 200 m3)                            |                                                        |      |        |           |                 |                 |
|                                                                                  | Uraian                                                 | Kode | Satuan | Koefisien | HargaSatuan(Rp) | JumlahHarga(Rp) |
| A                                                                                | Tenaga Kerja                                           |      |        |           |                 |                 |
|                                                                                  | Pekerja                                                | L.01 | OH     | 0,3000    | Rp 178.000,00   | Rp 53.400,00    |
|                                                                                  | Mandor                                                 | L.04 | OH     | 0,0150    | Rp 262.000,00   | Rp 3.930,00     |
| Jumlah Harga Tenaga Kerja                                                        |                                                        |      |        |           |                 | Rp 57.330,00    |
| B                                                                                | Bahan                                                  |      |        |           |                 |                 |
|                                                                                  | Pasir uruk                                             |      | m3     | 1,200     | Rp 237.500,00   | Rp 285.000,00   |
| Jumlah Harga Bahan                                                               |                                                        |      |        |           |                 | Rp 285.000,00   |
| C                                                                                | Peralatan                                              |      |        |           |                 |                 |
| Jumlah Harga Alat                                                                |                                                        |      |        |           |                 |                 |
| D                                                                                | Jumlah Harga Tenaga Kerja, Bahan dan Peralatan (A+B+C) |      |        |           |                 | Rp 342.330,00   |
| E                                                                                | Biaya Umum dan Keuntungan (10% - 15%) x D              |      |        |           | 15% x D         | Rp 51.349,50    |
| F                                                                                | Harga Satuan Pekerjaan (D+E)                           |      |        |           |                 | Rp 393.679,50   |

|                                                                |                                                        |      |        |           |                 |                 |
|----------------------------------------------------------------|--------------------------------------------------------|------|--------|-----------|-----------------|-----------------|
| 1.3.1.4 Urukan tanah biasa atau tanah liat berpasir            |                                                        |      |        |           |                 |                 |
|                                                                | Uraian                                                 | Kode | Satuan | Koefisien | HargaSatuan(Rp) | JumlahHarga(Rp) |
| A                                                              | Tenaga Kerja                                           |      |        |           |                 |                 |
|                                                                | Pekerja                                                | L.01 | OH     | 0,1000    | Rp 178.000,00   | Rp 17.800,00    |
|                                                                | Mandor                                                 | L.04 | OH     | 0,0100    | Rp 262.000,00   | Rp 2.620,00     |
| Jumlah Harga Tenaga Kerja                                      |                                                        |      |        |           |                 | Rp 20.420,00    |
| B                                                              | Bahan                                                  |      |        |           |                 |                 |
|                                                                | Pasir uruk                                             |      | m3     | 1,400     | Rp 237.500,00   | Rp 332.500,00   |
| Jumlah Harga Bahan                                             |                                                        |      |        |           |                 | Rp 332.500,00   |
| C                                                              | Peralatan                                              |      |        |           |                 |                 |
| Jumlah Harga Alat                                              |                                                        |      |        |           |                 |                 |
| D                                                              | Jumlah Harga Tenaga Kerja, Bahan dan Peralatan (A+B+C) |      |        |           |                 | Rp 352.920,00   |
| E                                                              | Biaya Umum dan Keuntungan (10% - 15%) x D              |      |        |           | 15% x D         | Rp 52.938,00    |
| F                                                              | Harga Satuan Pekerjaan (D+E)                           |      |        |           |                 | Rp 405.858,00   |
|                                                                |                                                        |      |        |           |                 |                 |
| PEKERJAAN BONGKARAN                                            |                                                        |      |        |           |                 |                 |
| 1.6.1 Bongkar 1m3 pasangan batu (manual) untuk bangunan gedung |                                                        |      |        |           |                 |                 |
|                                                                | Uraian                                                 | Kode | Satuan | Koefisien | HargaSatuan(Rp) | JumlahHarga(Rp) |
| A                                                              | Tenaga Kerja                                           |      |        |           |                 |                 |
|                                                                | Pekerja                                                | L.01 | OH     | 1,2000    | Rp 178.000,00   | Rp 213.600,00   |
|                                                                | Mandor                                                 | L.04 | OH     | 0,0600    | Rp 262.000,00   | Rp 15.720,00    |
| Jumlah Harga Tenaga Kerja                                      |                                                        |      |        |           |                 | Rp 229.320,00   |
| B                                                              | Bahan                                                  |      |        |           |                 |                 |
| Jumlah Harga Bahan                                             |                                                        |      |        |           |                 |                 |
| C                                                              | Peralatan                                              |      |        |           |                 |                 |
|                                                                | Palu/godam (baja keras)                                |      | Bh     | 0,006     | Rp -            | Rp -            |
|                                                                | Pahat beton (baja keras)                               |      | Bh     | 0,009     | Rp -            | Rp -            |
|                                                                | Linggis (baja keras)                                   |      | Bh     | 0,020     | Rp -            | Rp -            |
| Jumlah Harga Alat                                              |                                                        |      |        |           |                 | Rp -            |
| D                                                              | Jumlah Harga Tenaga Kerja, Bahan dan Peralatan (A+B+C) |      |        |           |                 | Rp 229.320,00   |
| E                                                              | Biaya Umum dan Keuntungan (10% - 15%) x D              |      |        |           | 15% x D         | Rp 34.398,00    |
| F                                                              | Harga Satuan Pekerjaan (D+E)                           |      |        |           |                 | Rp 263.718,00   |
|                                                                |                                                        |      |        |           |                 |                 |
| 1.6.3 Bongkar 1m3 beton mutu rendah Fc < 20 Mpa secara manual  |                                                        |      |        |           |                 |                 |
|                                                                | Uraian                                                 | Kode | Satuan | Koefisien | HargaSatuan(Rp) | JumlahHarga(Rp) |
| A                                                              | Tenaga Kerja                                           |      |        |           |                 |                 |
|                                                                | Pekerja                                                | L.01 | OH     | 1,0750    | Rp 178.000,00   | Rp 191.350,00   |
|                                                                | Mandor                                                 | L.04 | OH     | 0,1080    | Rp 262.000,00   | Rp 28.296,00    |
| Jumlah Harga Tenaga Kerja                                      |                                                        |      |        |           |                 | Rp 219.646,00   |
| B                                                              | Bahan                                                  |      |        |           |                 |                 |
|                                                                | Cuka Bibit                                             |      | Liter  | 1,200     | Rp -            | Rp -            |
| Jumlah Harga Bahan                                             |                                                        |      |        |           |                 | Rp -            |
| C                                                              | Peralatan                                              |      |        |           |                 |                 |
|                                                                | Palu/godam (baja keras)                                |      | Bh     | 0,02      | Rp -            | Rp -            |
|                                                                | Gergaji Besi ( Baja Keras )                            |      | Bh     | 0,10      | Rp -            | Rp -            |
|                                                                | Pahat beton (baja keras)                               |      | Bh     | 0,03      | Rp -            | Rp -            |
|                                                                | Linggis (baja keras)                                   |      | Bh     | 0,050     | Rp -            | Rp -            |
| Jumlah Harga Alat                                              |                                                        |      |        |           |                 | Rp -            |
| D                                                              | Jumlah Harga Tenaga Kerja, Bahan dan Peralatan (A+B+C) |      |        |           |                 | Rp 219.646,00   |
| E                                                              | Biaya Umum dan Keuntungan (10% - 15%) x D              |      |        |           | 15% x D         | Rp 32.946,90    |
| F                                                              | Harga Satuan Pekerjaan (D+E)                           |      |        |           |                 | Rp 252.592,90   |

|                                                                                        |                                                        |      |        |           |                 |                 |
|----------------------------------------------------------------------------------------|--------------------------------------------------------|------|--------|-----------|-----------------|-----------------|
| 1.6.4 Bongkar 1m3 beton mutu Sedang Fc ≥ 20 Mpa secara manual                          |                                                        |      |        |           |                 |                 |
|                                                                                        | Uraian                                                 | Kode | Satuan | Koefisien | HargaSatuan(Rp) | JumlahHarga(Rp) |
| A                                                                                      | Tenaga Kerja                                           |      |        |           |                 |                 |
|                                                                                        | Pekerja                                                | L.01 | OH     | 3,6000    | Rp 178.000,00   | Rp 640.800,00   |
|                                                                                        | Mandor                                                 | L.04 | OH     | 0,1800    | Rp 262.000,00   | Rp 47.160,00    |
| Jumlah Harga Tenaga Kerja                                                              |                                                        |      |        |           |                 | Rp 687.960,00   |
| B                                                                                      | Bahan                                                  |      |        |           |                 |                 |
|                                                                                        | Cuka Bibit                                             |      | Liter  | 1,200     | Rp -            | Rp -            |
| Jumlah Harga Bahan                                                                     |                                                        |      |        |           |                 | Rp -            |
| C                                                                                      | Peralatan                                              |      |        |           |                 |                 |
|                                                                                        | Palu/godam (baja keras)                                |      | Bh     | 0,02      | Rp -            | Rp -            |
|                                                                                        | Gergaji Besi ( Baja Keras )                            |      | Bh     | 0,10      | Rp -            | Rp -            |
|                                                                                        | Pahat beton (baja keras)                               |      | Bh     | 0,03      | Rp -            | Rp -            |
|                                                                                        | Linggis (baja keras)                                   |      | Bh     | 0,050     | Rp -            | Rp -            |
| Jumlah Harga Alat                                                                      |                                                        |      |        |           |                 | Rp -            |
| D                                                                                      | Jumlah Harga Tenaga Kerja, Bahan dan Peralatan (A+B+C) |      |        |           |                 | Rp 687.960,00   |
| E                                                                                      | Biaya Umum dan Keuntungan (10% - 15%) x D              |      |        |           | 15% x D         | Rp 103.194,00   |
| F                                                                                      | Harga Satuan Pekerjaan (D+E)                           |      |        |           |                 | Rp 791.154,00   |
| 1.6.7 Bongkar 1m3 pasangan bata merah secara manual                                    |                                                        |      |        |           |                 |                 |
|                                                                                        | Uraian                                                 | Kode | Satuan | Koefisien | HargaSatuan(Rp) | JumlahHarga(Rp) |
| A                                                                                      | Tenaga Kerja                                           |      |        |           |                 |                 |
|                                                                                        | Pekerja                                                | L.01 | OH     | 0,3000    | Rp 178.000,00   | Rp 53.400,00    |
|                                                                                        | Mandor                                                 | L.04 | OH     | 0,0300    | Rp 262.000,00   | Rp 7.860,00     |
| Jumlah Harga Tenaga Kerja                                                              |                                                        |      |        |           |                 | Rp 61.260,00    |
| B                                                                                      | Bahan                                                  |      |        |           |                 |                 |
|                                                                                        | Jumlah Harga Bahan                                     |      |        |           |                 |                 |
| C                                                                                      | Peralatan                                              |      |        |           |                 |                 |
|                                                                                        | Palu/godam (baja keras)                                |      | Bh     | 0,002     | Rp -            | Rp -            |
|                                                                                        | Pahat beton (baja keras)                               |      | Bh     | 0,003     | Rp -            | Rp -            |
|                                                                                        | Linggis (baja keras)                                   |      | Bh     | 0,007     | Rp -            | Rp -            |
| Jumlah Harga Alat                                                                      |                                                        |      |        |           |                 | Rp -            |
| D                                                                                      | Jumlah Harga Tenaga Kerja, Bahan dan Peralatan (A+B+C) |      |        |           |                 | Rp 61.260,00    |
| E                                                                                      | Biaya Umum dan Keuntungan (10% - 15%) x D              |      |        |           | 15% x D         | Rp 9.189,00     |
| F                                                                                      | Harga Satuan Pekerjaan (D+E)                           |      |        |           |                 | Rp 70.449,00    |
| PEKERJAAN RANGKA ATAP                                                                  |                                                        |      |        |           |                 |                 |
| 2.1.1.1 Pemasangan 1m2 atap pelana ( Rangka Atap baja ringan canai dingin profil C75 ) |                                                        |      |        |           |                 |                 |
|                                                                                        | Uraian                                                 | Kode | Satuan | Koefisien | HargaSatuan(Rp) | JumlahHarga(Rp) |
| A                                                                                      | Tenaga Kerja                                           |      |        |           |                 |                 |
|                                                                                        | Pekerja                                                | L.01 | OH     | 0,7340    | Rp 178.000,00   | Rp 130.652,00   |
|                                                                                        | Tukang Besi / Tukang Beton                             | L.02 | OH     | 0,7340    | Rp 183.000,00   | Rp 134.322,00   |
|                                                                                        | Kepala Tukang                                          | L.03 | OH     | 0,0734    | Rp 210.000,00   | Rp 15.414,00    |
|                                                                                        | Mandor                                                 | L.04 | OH     | 0,0240    | Rp 262.000,00   | Rp 6.288,00     |
| Jumlah Harga Tenaga Kerja                                                              |                                                        |      |        |           |                 | Rp 286.676,00   |
| B                                                                                      | Bahan                                                  |      |        |           |                 |                 |
|                                                                                        | Baja ringan canai dingin 75                            |      | batang | 0,9603    | Rp 131.000,00   | Rp 125.799,30   |
| Jumlah Harga Bahan                                                                     |                                                        |      |        |           |                 | Rp 125.799,30   |
| C                                                                                      | Peralatan                                              |      |        |           |                 |                 |
|                                                                                        | Jumlah Harga Alat                                      |      |        |           |                 |                 |
| D                                                                                      | Jumlah Harga Tenaga Kerja, Bahan dan Peralatan (A+B+C) |      |        |           |                 | Rp 412.475,30   |
| E                                                                                      | Biaya Umum dan Keuntungan (10% - 15%) x D              |      |        |           | 15% x D         | Rp 61.871,30    |
| F                                                                                      | Harga Satuan Pekerjaan (D+E)                           |      |        |           |                 | Rp 474.346,60   |

|                                                                                                              |                                                        |      |        |           |                  |                  |
|--------------------------------------------------------------------------------------------------------------|--------------------------------------------------------|------|--------|-----------|------------------|------------------|
| 2.1.1.1 Pemasangan 1m2 atap jurai / limasan ( Rangka Atap baja ringan canai dingin profil C75 )              |                                                        |      |        |           |                  |                  |
|                                                                                                              | Uraian                                                 | Kode | Satuan | Koefisien | HargaSatuan(Rp)  | JumlahHarga(Rp)  |
| A                                                                                                            | Tenaga Kerja                                           |      |        |           |                  |                  |
|                                                                                                              | Pekerja                                                | L.01 | OH     | 0,7604    | Rp 178.000,00    | Rp 135.351,20    |
|                                                                                                              | Tukang Besi / Tukang Beton                             | L.02 | OH     | 0,7604    | Rp 183.000,00    | Rp 139.153,20    |
|                                                                                                              | Kepala Tukang                                          | L.03 | OH     | 0,7604    | Rp 210.000,00    | Rp 159.684,00    |
|                                                                                                              | Mandor                                                 | L.04 | OH     | 0,0253    | Rp 262.000,00    | Rp 6.628,60      |
| Jumlah Harga Tenaga Kerja                                                                                    |                                                        |      |        |           |                  | Rp 440.817,00    |
| B                                                                                                            | Bahan                                                  |      |        |           |                  |                  |
|                                                                                                              | Baja ringan canai dingin 75                            |      | batang | 0,9603    | Rp 131.000,00    | Rp 125.799,30    |
| Jumlah Harga Bahan                                                                                           |                                                        |      |        |           |                  | Rp 125.799,30    |
| C                                                                                                            | Peralatan                                              |      |        |           |                  |                  |
| Jumlah Harga Alat                                                                                            |                                                        |      |        |           |                  |                  |
| D                                                                                                            | Jumlah Harga Tenaga Kerja, Bahan dan Peralatan (A+B+C) |      |        |           |                  | Rp 566.616,30    |
| E                                                                                                            | Biaya Umum dan Keuntungan (10% - 15%) x D              |      |        |           | 15% x D          | Rp 84.992,45     |
| F                                                                                                            | Harga Satuan Pekerjaan (D+E)                           |      |        |           |                  | Rp 651.608,75    |
| 2.1.2.1 Pemasangan 1m3 konstruksi kuda - kuda konvensional kayu kelas I,II,III bentang sampai dengan 6 meter |                                                        |      |        |           |                  |                  |
|                                                                                                              | Uraian                                                 | Kode | Satuan | Koefisien | HargaSatuan(Rp)  | JumlahHarga(Rp)  |
| A                                                                                                            | Tenaga Kerja                                           |      |        |           |                  |                  |
|                                                                                                              | Pekerja                                                | L.01 | OH     | 4,00      | Rp 178.000,00    | Rp 712.000,00    |
|                                                                                                              | Tukang Kayu                                            | L.02 | OH     | 12,00     | Rp 183.000,00    | Rp 2.196.000,00  |
|                                                                                                              | Kepala Tukang                                          | L.03 | OH     | 1,20      | Rp 210.000,00    | Rp 252.000,00    |
|                                                                                                              | Mandor                                                 | L.04 | OH     | 0,4000    | Rp 262.000,00    | Rp 104.800,00    |
| Jumlah Harga Tenaga Kerja                                                                                    |                                                        |      |        |           |                  | Rp 3.264.800,00  |
| B                                                                                                            | Bahan                                                  |      |        |           |                  |                  |
|                                                                                                              | Balok Kayu Benuas                                      |      | m3     | 1,1000    | Rp 6.825.000,00  | Rp 7.507.500,00  |
|                                                                                                              | Besi strip tebal 5mm                                   |      | kg     | 15,0000   | Rp 20.400,00     | Rp 306.000,00    |
|                                                                                                              | Paku 12 cm                                             |      | kg     | 5,6000    | Rp 24.000,00     | Rp 134.400,00    |
| Jumlah Harga Bahan                                                                                           |                                                        |      |        |           |                  | Rp 7.947.900,00  |
| C                                                                                                            | Peralatan                                              |      |        |           |                  |                  |
| Jumlah Harga Alat                                                                                            |                                                        |      |        |           |                  |                  |
| D                                                                                                            | Jumlah Harga Tenaga Kerja, Bahan dan Peralatan (A+B+C) |      |        |           |                  | Rp 11.212.700,00 |
| E                                                                                                            | Biaya Umum dan Keuntungan (10% - 15%) x D              |      |        |           | 15% x D          | Rp 1.681.905,00  |
| F                                                                                                            | Harga Satuan Pekerjaan (D+E)                           |      |        |           |                  | Rp 12.894.605,00 |
| 2.1.2.2 Pemasangan 1m3 konstruksi kuda - kuda Ekspose kayu kelas I                                           |                                                        |      |        |           |                  |                  |
|                                                                                                              | Uraian                                                 | Kode | Satuan | Koefisien | HargaSatuan(Rp)  | JumlahHarga(Rp)  |
| A                                                                                                            | Tenaga Kerja                                           |      |        |           |                  |                  |
|                                                                                                              | Pekerja                                                | L.01 | OH     | 6,70      | Rp 178.000,00    | Rp 1.192.600,00  |
|                                                                                                              | Tukang Kayu                                            | L.02 | OH     | 20,10     | Rp 183.000,00    | Rp 3.678.300,00  |
|                                                                                                              | Kepala Tukang                                          | L.03 | OH     | 2,01      | Rp 210.000,00    | Rp 422.100,00    |
|                                                                                                              | Mandor                                                 | L.04 | OH     | 0,67      | Rp 262.000,00    | Rp 175.540,00    |
| Jumlah Harga Tenaga Kerja                                                                                    |                                                        |      |        |           |                  | Rp 5.468.540,00  |
| B                                                                                                            | Bahan                                                  |      |        |           |                  |                  |
|                                                                                                              | Balok Kayu                                             |      | m3     | 1,2000    | Rp 15.225.000,00 | Rp 18.270.000,00 |
|                                                                                                              | Besi strip tebal 5mm                                   |      | kg     | 15,0000   | Rp 20.400,00     | Rp 306.000,00    |
|                                                                                                              | Paku 12 cm                                             |      | kg     | 5,6000    | Rp 24.000,00     | Rp 134.400,00    |
| Jumlah Harga Bahan                                                                                           |                                                        |      |        |           |                  | Rp 18.710.400,00 |
| C                                                                                                            | Peralatan                                              |      |        |           |                  |                  |
| Jumlah Harga Alat                                                                                            |                                                        |      |        |           |                  |                  |
| D                                                                                                            | Jumlah Harga Tenaga Kerja, Bahan dan Peralatan (A+B+C) |      |        |           |                  | Rp 24.178.940,00 |
| E                                                                                                            | Biaya Umum dan Keuntungan (10% - 15%) x D              |      |        |           | 15% x D          | Rp 3.626.841,00  |
| F                                                                                                            | Harga Satuan Pekerjaan (D+E)                           |      |        |           |                  | Rp 27.805.781,00 |

| 2.1.2.3 Pemasangan 1m3 konstruksi kuda - kuda Ekspose kayu kelas II |                                                        |      |        |           |                 |                  |
|---------------------------------------------------------------------|--------------------------------------------------------|------|--------|-----------|-----------------|------------------|
|                                                                     | Uraian                                                 | Kode | Satuan | Koefisien | HargaSatuan(Rp) | JumlahHarga(Rp)  |
| A                                                                   | Tenaga Kerja                                           |      |        |           |                 |                  |
|                                                                     | Pekerja                                                | L.01 | OH     | 2,40      | Rp 178.000,00   | Rp 427.200,00    |
|                                                                     | Tukang Kayu                                            | L.02 | OH     | 7,20      | Rp 183.000,00   | Rp 1.317.600,00  |
|                                                                     | Kepala Tukang                                          | L.03 | OH     | 0,72      | Rp 210.000,00   | Rp 151.200,00    |
|                                                                     | Mandor                                                 | L.04 | OH     | 0,24      | Rp 262.000,00   | Rp 62.880,00     |
| Jumlah Harga Tenaga Kerja                                           |                                                        |      |        |           |                 | Rp 1.958.880,00  |
| B                                                                   | Bahan                                                  |      |        |           |                 |                  |
|                                                                     | Balok Kayu                                             |      | m3     | 1,10      | Rp 6.825.000,00 | Rp 7.507.500,00  |
|                                                                     | Besi strip tebal 5mm                                   |      | kg     | 15,00     | Rp 20.400,00    | Rp 306.000,00    |
|                                                                     | Paku 12 cm                                             |      | kg     | 3,00      | Rp 24.000,00    | Rp 72.000,00     |
| Jumlah Harga Bahan                                                  |                                                        |      |        |           |                 | Rp 7.885.500,00  |
| C                                                                   | Peralatan                                              |      |        |           |                 |                  |
| Jumlah Harga Alat                                                   |                                                        |      |        |           |                 |                  |
| D                                                                   | Jumlah Harga Tenaga Kerja, Bahan dan Peralatan (A+B+C) |      |        |           |                 | Rp 9.844.380,00  |
| E                                                                   | Biaya Umum dan Keuntungan (10% - 15%) x D              |      |        |           | 15% x D         | Rp 1.476.657,00  |
| F                                                                   | Harga Satuan Pekerjaan (D+E)                           |      |        |           |                 | Rp 11.321.037,00 |
| 2.1.2.4 Pemasangan 1m2 rangka atap genteng keramik kayu kelas II    |                                                        |      |        |           |                 |                  |
|                                                                     | Uraian                                                 | Kode | Satuan | Koefisien | HargaSatuan(Rp) | JumlahHarga(Rp)  |
| A                                                                   | Tenaga Kerja                                           |      |        |           |                 |                  |
|                                                                     | Pekerja                                                | L.01 | OH     | 0,10      | Rp 178.000,00   | Rp 17.800,00     |
|                                                                     | Tukang Kayu                                            | L.02 | OH     | 0,10      | Rp 183.000,00   | Rp 18.300,00     |
|                                                                     | Kepala Tukang                                          | L.03 | OH     | 0,01      | Rp 210.000,00   | Rp 2.100,00      |
|                                                                     | Mandor                                                 | L.04 | OH     | 0,0033    | Rp 262.000,00   | Rp 864,60        |
| Jumlah Harga Tenaga Kerja                                           |                                                        |      |        |           |                 | Rp 39.064,60     |
| B                                                                   | Bahan                                                  |      |        |           |                 |                  |
|                                                                     | Balok Kayu                                             |      | m3     | 0,014     | Rp 6.825.000,00 | Rp 95.550,00     |
|                                                                     | Besi strip tebal 5mm                                   |      | kg     | 0,004     | Rp 20.400,00    | Rp 73,44         |
|                                                                     | Paku 12 cm                                             |      | kg     | 0,250     | Rp 24.000,00    | Rp 6.000,00      |
| Jumlah Harga Bahan                                                  |                                                        |      |        |           |                 | Rp 101.623,44    |
| C                                                                   | Peralatan                                              |      |        |           |                 |                  |
| Jumlah Harga Alat                                                   |                                                        |      |        |           |                 |                  |
| D                                                                   | Jumlah Harga Tenaga Kerja, Bahan dan Peralatan (A+B+C) |      |        |           |                 | Rp 140.688,04    |
| E                                                                   | Biaya Umum dan Keuntungan (10% - 15%) x D              |      |        |           | 15% x D         | Rp 21.103,21     |
| F                                                                   | Harga Satuan Pekerjaan (D+E)                           |      |        |           |                 | Rp 161.791,25    |
| 2.1.2.6 Pemasangan 1m2 rangka atap sirap kayu kelas II              |                                                        |      |        |           |                 |                  |
|                                                                     | Uraian                                                 | Kode | Satuan | Koefisien | HargaSatuan(Rp) | JumlahHarga(Rp)  |
| A                                                                   | Tenaga Kerja                                           |      |        |           |                 |                  |
|                                                                     | Pekerja                                                | L.01 | OH     | 0,12      | Rp 178.000,00   | Rp 21.360,00     |
|                                                                     | Tukang Kayu                                            | L.02 | OH     | 0,12      | Rp 183.000,00   | Rp 21.960,00     |
|                                                                     | Kepala Tukang                                          | L.03 | OH     | 0,01      | Rp 210.000,00   | Rp 2.520,00      |
|                                                                     | Mandor                                                 | L.04 | OH     | 0,004     | Rp 262.000,00   | Rp 1.048,00      |
| Jumlah Harga Tenaga Kerja                                           |                                                        |      |        |           |                 | Rp 46.888,00     |
| B                                                                   | Bahan                                                  |      |        |           |                 |                  |
|                                                                     | Kayu Kelas II                                          |      | m3     | 0,165     | Rp 6.825.000,00 | Rp 1.126.125,00  |
|                                                                     | Paku 5cm-10cm                                          |      | kg     | 0,200     | Rp 24.000,00    | Rp 4.800,00      |
| Jumlah Harga Bahan                                                  |                                                        |      |        |           |                 | Rp 1.130.925,00  |
| C                                                                   | Peralatan                                              |      |        |           |                 |                  |
| Jumlah Harga Alat                                                   |                                                        |      |        |           |                 |                  |
| D                                                                   | Jumlah Harga Tenaga Kerja, Bahan dan Peralatan (A+B+C) |      |        |           |                 | Rp 1.177.813,00  |
| E                                                                   | Biaya Umum dan Keuntungan (10% - 15%) x D              |      |        |           | 15% x D         | Rp 176.671,95    |
| F                                                                   | Harga Satuan Pekerjaan (D+E)                           |      |        |           |                 | Rp 1.354.484,95  |

| PEKERJAAN STRUKTUR BETON                                                                                  |                                                        |      |        |           |                 |                 |
|-----------------------------------------------------------------------------------------------------------|--------------------------------------------------------|------|--------|-----------|-----------------|-----------------|
| 2.2.1.1.3 1 Kg penulangan kolom,balok,ringbalk, dan sloof ( diameter < 12mm ) manual                      |                                                        |      |        |           |                 |                 |
|                                                                                                           | Uraian                                                 | Kode | Satuan | Koefisien | HargaSatuan(Rp) | JumlahHarga(Rp) |
| A                                                                                                         | Tenaga Kerja                                           |      |        |           |                 |                 |
|                                                                                                           | Pekerja                                                | L.01 | OH     | 0,0016    | Rp 178.000,00   | Rp 284,80       |
|                                                                                                           | Tukang Besi / Tukang Beton                             | L.02 | OH     | 0,0016    | Rp 183.000,00   | Rp 292,80       |
|                                                                                                           | Kepala Tukang                                          | L.03 | OH     | 0,00016   | Rp 210.000,00   | Rp 33,60        |
|                                                                                                           | Mandor                                                 | L.04 | OH     | 0,00016   | Rp 262.000,00   | Rp 41,92        |
| Jumlah Harga Tenaga Kerja                                                                                 |                                                        |      |        |           |                 | Rp 653,12       |
| B                                                                                                         | Bahan                                                  |      |        |           |                 |                 |
|                                                                                                           | BjTP atau BjTS *)                                      |      | kg     | 1,0200    | Rp 13.300,00    | Rp 13.566,00    |
|                                                                                                           | Kawat tali beton                                       |      | kg     | 0,0280    | Rp 35.700,00    | Rp 999,60       |
| Jumlah Harga Bahan                                                                                        |                                                        |      |        |           |                 | Rp 14.565,60    |
| C                                                                                                         | Peralatan                                              |      |        |           |                 |                 |
| Jumlah Harga Alat                                                                                         |                                                        |      |        |           |                 |                 |
| D                                                                                                         | Jumlah Harga Tenaga Kerja, Bahan dan Peralatan (A+B+C) |      |        |           |                 | Rp 15.218,72    |
| E                                                                                                         | Biaya Umum dan Keuntungan (10% - 15%) x D              |      |        |           | 15% x D         | Rp 2.282,81     |
| F                                                                                                         | Harga Satuan Pekerjaan (D+E)                           |      |        |           |                 | Rp 17.501,53    |
|                                                                                                           |                                                        |      |        |           |                 |                 |
| 2.2.1.1.4 1 Kg penulangan kolom,balok,ringbalk, sloof dan shearwall ( diameter ≥ 12mm ) manual besi 12 mm |                                                        |      |        |           |                 |                 |
|                                                                                                           | Uraian                                                 | Kode | Satuan | Koefisien | HargaSatuan(Rp) | JumlahHarga(Rp) |
| A                                                                                                         | Tenaga Kerja                                           |      |        |           |                 |                 |
|                                                                                                           | Pekerja                                                | L.01 | OH     | 0,00160   | Rp 178.000,00   | Rp 284,80       |
|                                                                                                           | Tukang Besi / Tukang Beton                             | L.02 | OH     | 0,00160   | Rp 183.000,00   | Rp 292,80       |
|                                                                                                           | Kepala Tukang                                          | L.03 | OH     | 0,00016   | Rp 210.000,00   | Rp 33,60        |
|                                                                                                           | Mandor                                                 | L.04 | OH     | 0,00016   | Rp 262.000,00   | Rp 41,92        |
| Jumlah Harga Tenaga Kerja                                                                                 |                                                        |      |        |           |                 | Rp 653,12       |
| B                                                                                                         | Bahan                                                  |      |        |           |                 |                 |
|                                                                                                           | BjTP atau BjTS *)                                      |      | kg     | 1,02      | Rp 13.300,00    | Rp 13.566,00    |
|                                                                                                           | Kawat tali beton                                       |      | kg     | 0,028     | Rp 35.700,00    | Rp 999,60       |
| Jumlah Harga Bahan                                                                                        |                                                        |      |        |           |                 | Rp 14.565,60    |
| C                                                                                                         | Peralatan                                              |      |        |           |                 |                 |
|                                                                                                           | Cutter baja beton                                      |      |        | 0,04      | Rp -            | Rp -            |
|                                                                                                           | Bender baja beton                                      |      |        | 0,04      | Rp -            | Rp -            |
| Jumlah Harga Alat                                                                                         |                                                        |      |        |           |                 | Rp -            |
| D                                                                                                         | Jumlah Harga Tenaga Kerja, Bahan dan Peralatan (A+B+C) |      |        |           |                 | Rp 15.218,72    |
| E                                                                                                         | Biaya Umum dan Keuntungan (10% - 15%) x D              |      |        |           | 15% x D         | Rp 2.282,81     |
| F                                                                                                         | Harga Satuan Pekerjaan (D+E)                           |      |        |           |                 | Rp 17.501,53    |
|                                                                                                           |                                                        |      |        |           |                 |                 |
| 2.2.1.3 Pemasangan dan pembongkaran bekisting                                                             |                                                        |      |        |           |                 |                 |
| 2.2.1.3.1 Pemasangan 1m2 bekisting untuk pondasi telapak ( 1 kali pakai )                                 |                                                        |      |        |           |                 |                 |
|                                                                                                           | Uraian                                                 | Kode | Satuan | Koefisien | HargaSatuan(Rp) | JumlahHarga(Rp) |
| A                                                                                                         | Tenaga Kerja                                           |      |        |           |                 |                 |
|                                                                                                           | Pekerja                                                | L.01 | OH     | 0,52000   | Rp 178.000,00   | Rp 92.560,00    |
|                                                                                                           | Tukang Kayu                                            | L.02 | OH     | 0,26000   | Rp 183.000,00   | Rp 47.580,00    |
|                                                                                                           | Kepala Tukang                                          | L.03 | OH     | 0,02600   | Rp 210.000,00   | Rp 5.460,00     |
|                                                                                                           | Mandor                                                 | L.04 | OH     | 0,00900   | Rp 262.000,00   | Rp 2.358,00     |
| Jumlah Harga Tenaga Kerja                                                                                 |                                                        |      |        |           |                 | Rp 147.958,00   |
| B                                                                                                         | Bahan                                                  |      |        |           |                 |                 |
|                                                                                                           | Papan kayu kelas III                                   |      | m3     | 0,036     | Rp 1.890.000,00 | Rp 68.040,00    |
|                                                                                                           | Kaso 5/7                                               |      | m3     | 0,016     | Rp 2.725.000,00 | Rp 43.600,00    |
|                                                                                                           | Paku 5-10 cm                                           |      | kg     | 0,300     | Rp 24.000,00    | Rp 7.200,00     |
|                                                                                                           | Minyak bekisting                                       |      | Liter  | 0,100     | Rp -            | Rp -            |
| Jumlah Harga Bahan                                                                                        |                                                        |      |        |           |                 | Rp 118.840,00   |
| C                                                                                                         | Peralatan                                              |      |        |           |                 |                 |
| Jumlah Harga Alat                                                                                         |                                                        |      |        |           |                 |                 |
| D                                                                                                         | Jumlah Harga Tenaga Kerja, Bahan dan Peralatan (A+B+C) |      |        |           |                 | Rp 266.798,00   |
| E                                                                                                         | Biaya Umum dan Keuntungan (10% - 15%) x D              |      |        |           | 15% x D         | Rp 40.019,70    |
| F                                                                                                         | Harga Satuan Pekerjaan (D+E)                           |      |        |           |                 | Rp 306.817,70   |

| 2.2.1.3.2 Pemasangan 1m2 bekisting bata merah (5x11x22) cm tebal 1/2 batu (1SP : 5PP) |                                                        |      |        |           |                 |                 |
|---------------------------------------------------------------------------------------|--------------------------------------------------------|------|--------|-----------|-----------------|-----------------|
|                                                                                       | Uraian                                                 | Kode | Satuan | Koefisien | HargaSatuan(Rp) | JumlahHarga(Rp) |
| A                                                                                     | Tenaga Kerja                                           |      |        |           |                 |                 |
|                                                                                       | Pekerja                                                | L.01 | OH     | 0,30000   | Rp 178.000,00   | Rp 53.400,00    |
|                                                                                       | Tukang Kayu                                            | L.02 | OH     | 0,10000   | Rp 183.000,00   | Rp 18.300,00    |
|                                                                                       | Kepala Tukang                                          | L.03 | OH     | 0,01000   | Rp 210.000,00   | Rp 2.100,00     |
|                                                                                       | Mandor                                                 | L.04 | OH     | 0,01500   | Rp 262.000,00   | Rp 3.930,00     |
| Jumlah Harga Tenaga Kerja                                                             |                                                        |      |        |           |                 | Rp 77.730,00    |
| B                                                                                     | Bahan                                                  |      |        |           |                 |                 |
|                                                                                       | Bata merah                                             |      | Buah   | 70,000    | Rp 1.500,00     | Rp 105.000,00   |
|                                                                                       | Semen Portland                                         |      | Kg     | 9,680     | Rp 1.540,00     | Rp 14.907,20    |
|                                                                                       | Pasir pasang                                           |      | m3     | 0,045     | Rp 330.000,00   | Rp 14.850,00    |
| Jumlah Harga Bahan                                                                    |                                                        |      |        |           |                 | Rp 134.757,20   |
| C                                                                                     | Peralatan                                              |      |        |           |                 |                 |
| Jumlah Harga Alat                                                                     |                                                        |      |        |           |                 |                 |
| D                                                                                     | Jumlah Harga Tenaga Kerja, Bahan dan Peralatan (A+B+C) |      |        |           |                 | Rp 212.487,20   |
| E                                                                                     | Biaya Umum dan Keuntungan (10% - 15%) x D              |      |        |           | 15% x D         | Rp 31.873,08    |
| F                                                                                     | Harga Satuan Pekerjaan (D+E)                           |      |        |           |                 | Rp 244.360,28   |
| 2.2.1.3.3 Pemasangan 1m2 bekisting untuk sloof ( 1 kali pakai )                       |                                                        |      |        |           |                 |                 |
|                                                                                       | Uraian                                                 | Kode | Satuan | Koefisien | HargaSatuan(Rp) | JumlahHarga(Rp) |
| A                                                                                     | Tenaga Kerja                                           |      |        |           |                 |                 |
|                                                                                       | Pekerja                                                | L.01 | OH     | 0,52000   | Rp 178.000,00   | Rp 92.560,00    |
|                                                                                       | Tukang Kayu                                            | L.02 | OH     | 0,26000   | Rp 183.000,00   | Rp 47.580,00    |
|                                                                                       | Kepala Tukang                                          | L.03 | OH     | 0,02600   | Rp 210.000,00   | Rp 5.460,00     |
|                                                                                       | Mandor                                                 | L.04 | OH     | 0,00900   | Rp 262.000,00   | Rp 2.358,00     |
| Jumlah Harga Tenaga Kerja                                                             |                                                        |      |        |           |                 | Rp 147.958,00   |
| B                                                                                     | Bahan                                                  |      |        |           |                 |                 |
|                                                                                       | Papan kayu kelas III                                   |      | m3     | 0,036     | Rp 1.890.000,00 | Rp 68.040,00    |
|                                                                                       | Kaso 5/7 kayu klas III                                 |      | m3     | 0,016     | Rp 2.725.000,00 | Rp 43.600,00    |
|                                                                                       | Paku 5-10 cm                                           |      | kg     | 0,300     | Rp 24.000,00    | Rp 7.200,00     |
|                                                                                       | Minyak bekisting                                       |      | Liter  | 0,100     | Rp -            | Rp -            |
| Jumlah Harga Bahan                                                                    |                                                        |      |        |           |                 | Rp 118.840,00   |
| C                                                                                     | Peralatan                                              |      |        |           |                 |                 |
| Jumlah Harga Alat                                                                     |                                                        |      |        |           |                 |                 |
| D                                                                                     | Jumlah Harga Tenaga Kerja, Bahan dan Peralatan (A+B+C) |      |        |           |                 | Rp 266.798,00   |
| E                                                                                     | Biaya Umum dan Keuntungan (10% - 15%) x D              |      |        |           | 15% x D         | Rp 40.019,70    |
| F                                                                                     | Harga Satuan Pekerjaan (D+E)                           |      |        |           |                 | Rp 306.817,70   |
| 2.2.1.3.4 Pemasangan 1m2 bekisting untuk kolom ( 2 kali pakai )                       |                                                        |      |        |           |                 |                 |
|                                                                                       | Uraian                                                 | Kode | Satuan | Koefisien | HargaSatuan(Rp) | JumlahHarga(Rp) |
| A                                                                                     | Tenaga Kerja                                           |      |        |           |                 |                 |
|                                                                                       | Pekerja                                                | L.01 | OH     | 0,66000   | Rp 178.000,00   | Rp 117.480,00   |
|                                                                                       | Tukang Kayu                                            | L.02 | OH     | 0,33000   | Rp 183.000,00   | Rp 60.390,00    |
|                                                                                       | Kepala Tukang                                          | L.03 | OH     | 0,03300   | Rp 210.000,00   | Rp 6.930,00     |
|                                                                                       | Mandor                                                 | L.04 | OH     | 0,01100   | Rp 262.000,00   | Rp 2.882,00     |
| Jumlah Harga Tenaga Kerja                                                             |                                                        |      |        |           |                 | Rp 187.682,00   |
| B                                                                                     | Bahan                                                  |      |        |           |                 |                 |
|                                                                                       | Paku 5 – 12 cm                                         |      | kg     | 0,300     | Rp 24.000,00    | Rp 7.200,00     |
|                                                                                       | Minyak bekisting                                       |      | liter  | 0,200     | Rp -            | Rp -            |
|                                                                                       | Balok kayu kelas III                                   |      | m3     | 0,009     | Rp 2.725.000,00 | Rp 24.525,00    |
|                                                                                       | Papan kayu 2/20 kelas III                              |      | m3     | 0,022     | Rp 1.890.000,00 | Rp 41.580,00    |
|                                                                                       | Dolken kayu 8-10 cm panjang 4 m                        |      | batang | 0,650     | Rp 13.000,00    | Rp 8.450,00     |
|                                                                                       | Jumlah Harga Bahan                                     |      |        |           |                 | Rp 81.755,00    |
| C                                                                                     | Peralatan                                              |      |        |           |                 |                 |
| Jumlah Harga Alat                                                                     |                                                        |      |        |           |                 |                 |
| D                                                                                     | Jumlah Harga Tenaga Kerja, Bahan dan Peralatan (A+B+C) |      |        |           |                 | Rp 269.437,00   |
| E                                                                                     | Biaya Umum dan Keuntungan (10% - 15%) x D              |      |        |           | 15% x D         | Rp 40.415,55    |
| F                                                                                     | Harga Satuan Pekerjaan (D+E)                           |      |        |           |                 | Rp 309.852,55   |

| 2.2.1.3.5 Pemasangan 1m2 bekisting untuk balok ( 2 kali pakai )       |                                                        |      |        |           |                 |                 |
|-----------------------------------------------------------------------|--------------------------------------------------------|------|--------|-----------|-----------------|-----------------|
|                                                                       | Uraian                                                 | Kode | Satuan | Koefisien | HargaSatuan(Rp) | JumlahHarga(Rp) |
| A                                                                     | Tenaga Kerja                                           |      |        |           |                 |                 |
|                                                                       | Pekerja                                                | L.01 | OH     | 0,66000   | Rp 178.000,00   | Rp 117.480,00   |
|                                                                       | Tukang Kayu                                            | L.02 | OH     | 0,33000   | Rp 183.000,00   | Rp 60.390,00    |
|                                                                       | Kepala Tukang                                          | L.03 | OH     | 0,03300   | Rp 210.000,00   | Rp 6.930,00     |
|                                                                       | Mandor                                                 | L.04 | OH     | 0,01100   | Rp 262.000,00   | Rp 2.882,00     |
| Jumlah Harga Tenaga Kerja                                             |                                                        |      |        |           |                 | Rp 187.682,00   |
| B                                                                     | Bahan                                                  |      |        |           |                 |                 |
|                                                                       | Paku 5 – 12 cm                                         |      | kg     | 0,400     | Rp 24.000,00    | Rp 9.600,00     |
|                                                                       | Minyak bekisting                                       |      | liter  | 0,200     | Rp -            | Rp -            |
|                                                                       | Balok kayu kelas III                                   |      | m3     | 0,013     | Rp 2.725.000,00 | Rp 35.425,00    |
|                                                                       | Papan kayu 2/20 kelas III                              |      | m3     | 0,022     | Rp 1.890.000,00 | Rp 41.580,00    |
|                                                                       | Dolken kayu 8-10 cm panjang 4 m                        |      | batang | 0,650     | Rp 13.000,00    | Rp 8.450,00     |
| Jumlah Harga Bahan                                                    |                                                        |      |        |           |                 | Rp 95.055,00    |
| C                                                                     | Peralatan                                              |      |        |           |                 |                 |
|                                                                       | Jumlah Harga Alat                                      |      |        |           |                 |                 |
| D                                                                     | Jumlah Harga Tenaga Kerja, Bahan dan Peralatan (A+B+C) |      |        |           |                 | Rp 282.737,00   |
| E                                                                     | Biaya Umum dan Keuntungan (10% - 15%) x D              |      |        |           | 15% x D         | Rp 42.410,55    |
| F                                                                     | Harga Satuan Pekerjaan (D+E)                           |      |        |           |                 | Rp 325.147,55   |
| 2.2.1.3.6 Pemasangan 1m2 bekisting untuk plat lantai ( 1 kali pakai ) |                                                        |      |        |           |                 |                 |
|                                                                       | Uraian                                                 | Kode | Satuan | Koefisien | HargaSatuan(Rp) | JumlahHarga(Rp) |
| A                                                                     | Tenaga Kerja                                           |      |        |           |                 |                 |
|                                                                       | Pekerja                                                | L.01 | OH     | 0,660     | Rp 178.000,00   | Rp 117.480,00   |
|                                                                       | Tukang Kayu                                            | L.02 | OH     | 0,330     | Rp 183.000,00   | Rp 60.390,00    |
|                                                                       | Kepala Tukang                                          | L.03 | OH     | 0,033     | Rp 210.000,00   | Rp 6.930,00     |
|                                                                       | Mandor                                                 | L.04 | OH     | 0,011     | Rp 262.000,00   | Rp 2.882,00     |
| Jumlah Harga Tenaga Kerja                                             |                                                        |      |        |           |                 | Rp 187.682,00   |
| B                                                                     | Bahan                                                  |      |        |           |                 |                 |
|                                                                       | Paku 5 – 12 cm                                         |      | kg     | 0,400     | Rp 24.000,00    | Rp 9.600,00     |
|                                                                       | Minyak bekisting                                       |      | liter  | 0,200     | Rp -            | Rp -            |
|                                                                       | Balok kayu kelas III                                   |      | m3     | 0,008     | Rp 2.725.000,00 | Rp 21.800,00    |
|                                                                       | Papan Kayu 2/20 kelas III                              |      | m3     | 0,036     | Rp 1.890.000,00 | Rp 68.040,00    |
|                                                                       | Dolken kayu 8-10 cm panjang 4 m                        |      | batang | 1,950     | Rp 13.000,00    | Rp 25.350,00    |
| Jumlah Harga Bahan                                                    |                                                        |      |        |           |                 | Rp 124.790,00   |
| C                                                                     | Peralatan                                              |      |        |           |                 |                 |
|                                                                       | Jumlah Harga Alat                                      |      |        |           |                 |                 |
| D                                                                     | Jumlah Harga Tenaga Kerja, Bahan dan Peralatan (A+B+C) |      |        |           |                 | Rp 312.472,00   |
| E                                                                     | Biaya Umum dan Keuntungan (10% - 15%) x D              |      |        |           | 15% x D         | Rp 46.870,80    |
| F                                                                     | Harga Satuan Pekerjaan (D+E)                           |      |        |           |                 | Rp 359.342,80   |
| 2.2.1.3.8 Pemasangan 1m2 bekisting untuk tangga ( 1 kali pakai )      |                                                        |      |        |           |                 |                 |
|                                                                       | Uraian                                                 | Kode | Satuan | Koefisien | HargaSatuan(Rp) | JumlahHarga(Rp) |
| A                                                                     | Tenaga Kerja                                           |      |        |           |                 |                 |
|                                                                       | Pekerja                                                | L.01 | OH     | 0,660     | Rp 178.000,00   | Rp 117.480,00   |
|                                                                       | Tukang Kayu                                            | L.02 | OH     | 0,330     | Rp 183.000,00   | Rp 60.390,00    |
|                                                                       | Kepala Tukang                                          | L.03 | OH     | 0,033     | Rp 210.000,00   | Rp 6.930,00     |
|                                                                       | Mandor                                                 | L.04 | OH     | 0,011     | Rp 262.000,00   | Rp 2.882,00     |
| Jumlah Harga Tenaga Kerja                                             |                                                        |      |        |           |                 | Rp 187.682,00   |
| B                                                                     | Bahan                                                  |      |        |           |                 |                 |
|                                                                       | Paku 5 – 12 cm                                         |      | kg     | 0,400     | Rp 24.000,00    | Rp 9.600,00     |
|                                                                       | Minyak bekisting                                       |      | liter  | 0,150     | Rp -            | Rp -            |
|                                                                       | Balok kayu kelas III                                   |      | m3     | 0,008     | Rp 2.725.000,00 | Rp 21.800,00    |
|                                                                       | Plywood 12mm                                           |      | m3     | 0,127     | Rp 1.890.000,00 | Rp 240.030,00   |
|                                                                       | Dolken kayu 8-10 cm panjang 4 m                        |      | batang | 0,650     | Rp 13.000,00    | Rp 8.450,00     |
| Jumlah Harga Bahan                                                    |                                                        |      |        |           |                 | Rp 279.880,00   |
| C                                                                     | Peralatan                                              |      |        |           |                 |                 |
|                                                                       | Jumlah Harga Alat                                      |      |        |           |                 |                 |
| D                                                                     | Jumlah Harga Tenaga Kerja, Bahan dan Peralatan (A+B+C) |      |        |           |                 | Rp 467.562,00   |
| E                                                                     | Biaya Umum dan Keuntungan (10% - 15%) x D              |      |        |           | 15% x D         | Rp 70.134,30    |
| F                                                                     | Harga Satuan Pekerjaan (D+E)                           |      |        |           |                 | Rp 537.696,30   |

|                                                                                              |                                                        |      |        |           |                 |                 |
|----------------------------------------------------------------------------------------------|--------------------------------------------------------|------|--------|-----------|-----------------|-----------------|
| 2.2.1.4.2 m3 mutu beton Fc' 10 Mpa, (slump 100 ± 25mm) agregat maksimal 19 mm secara manual  |                                                        |      |        |           |                 |                 |
|                                                                                              | Uraian                                                 | Kode | Satuan | Koefisien | HargaSatuan(Rp) | JumlahHarga(Rp) |
| A                                                                                            | Tenaga Kerja                                           |      |        |           |                 |                 |
|                                                                                              | Pekerja                                                | L.01 | OH     | 1,650     | Rp 178.000,00   | Rp 293.700,00   |
|                                                                                              | Tukang Batu                                            | L.02 | OH     | 0,275     | Rp 183.000,00   | Rp 50.325,00    |
|                                                                                              | Kepala Tukang                                          | L.03 | OH     | 0,028     | Rp 210.000,00   | Rp 5.880,00     |
|                                                                                              | Mandor                                                 | L.04 | OH     | 0,009     | Rp 262.000,00   | Rp 2.358,00     |
| Jumlah Harga Tenaga Kerja                                                                    |                                                        |      |        |           |                 | Rp 352.263,00   |
| B                                                                                            | Bahan                                                  |      |        |           |                 |                 |
|                                                                                              | Semen portland                                         |      | kg     | 267       | Rp 1.540,00     | Rp 411.180,00   |
|                                                                                              | Pasir beton                                            |      | kg     | 871       | Rp 257,14       | Rp 223.971,43   |
|                                                                                              | Kerikil                                                |      | kg     | 1009      | Rp 462,96       | Rp 467.129,63   |
|                                                                                              | Air                                                    |      | Liter  | 202       | Rp 250,00       | Rp 50.500,00    |
| Jumlah Harga Bahan                                                                           |                                                        |      |        |           |                 | Rp 1.152.781,06 |
| C                                                                                            | Peralatan                                              |      |        |           |                 |                 |
| Jumlah Harga Alat                                                                            |                                                        |      |        |           |                 |                 |
| D                                                                                            | Jumlah Harga Tenaga Kerja, Bahan dan Peralatan (A+B+C) |      |        |           |                 | Rp 1.505.044,06 |
| E                                                                                            | Biaya Umum dan Keuntungan (10% - 15%) x D              |      |        |           | 15% x D         | Rp 225.756,61   |
| F                                                                                            | Harga Satuan Pekerjaan (D+E)                           |      |        |           |                 | Rp 1.730.800,67 |
| CATATAN :                                                                                    |                                                        |      |        |           |                 |                 |
| Bobot isi pasir = 1.400 kg/m3, Bobot isi kerikil = 1.350 kg/m3, Buckling factor pasir = 20 % |                                                        |      |        |           |                 |                 |
| 2.2.1.4.5 1 m3 mutu beton Fc' 20 Mpa, (slump 100±25 mm) agregat maksimal 19 mm secara manual |                                                        |      |        |           |                 |                 |
|                                                                                              | Uraian                                                 | Kode | Satuan | Koefisien | HargaSatuan(Rp) | JumlahHarga(Rp) |
| A                                                                                            | Tenaga Kerja                                           |      |        |           |                 |                 |
|                                                                                              | Pekerja                                                | L.01 | OH     | 1,650     | Rp 178.000,00   | Rp 293.700,00   |
|                                                                                              | Tukang Batu                                            | L.02 | OH     | 0,275     | Rp 183.000,00   | Rp 50.325,00    |
|                                                                                              | Kepala Tukang                                          | L.03 | OH     | 0,028     | Rp 210.000,00   | Rp 5.880,00     |
|                                                                                              | Mandor                                                 | L.04 | OH     | 0,009     | Rp 262.000,00   | Rp 2.358,00     |
| Jumlah Harga Tenaga Kerja                                                                    |                                                        |      |        |           |                 | Rp 352.263,00   |
| B                                                                                            | Bahan                                                  |      |        |           |                 |                 |
|                                                                                              | Semen portland                                         |      | kg     | 348       | Rp 1.540,00     | Rp 535.920,00   |
|                                                                                              | Pasir beton                                            |      | kg     | 790       | Rp 257,14       | Rp 203.142,86   |
|                                                                                              | Kerikil                                                |      | kg     | 1009      | Rp 462,96       | Rp 467.129,63   |
|                                                                                              | Air                                                    |      | Liter  | 202       | Rp 250,00       | Rp 50.500,00    |
| Jumlah Harga Bahan                                                                           |                                                        |      |        |           |                 | Rp 1.256.692,49 |
| C                                                                                            | Peralatan                                              |      |        |           |                 |                 |
| Jumlah Harga Alat                                                                            |                                                        |      |        |           |                 |                 |
| D                                                                                            | Jumlah Harga Tenaga Kerja, Bahan dan Peralatan (A+B+C) |      |        |           |                 | Rp 1.608.955,49 |
| E                                                                                            | Biaya Umum dan Keuntungan (10% - 15%) x D              |      |        |           | 15% x D         | Rp 241.343,32   |
| F                                                                                            | Harga Satuan Pekerjaan (D+E)                           |      |        |           |                 | Rp 1.850.298,81 |
| PENGECORAN CAMPURAN BETON READY MIX                                                          |                                                        |      |        |           |                 |                 |
| 2.2.1.6.1 1 m3 Pengecoran beton menggunakan ready mixed                                      |                                                        |      |        |           |                 |                 |
| 2.2.1.6.1a 1 m3 Pengecoran beton menggunakan ready mixed K200                                |                                                        |      |        |           |                 |                 |
|                                                                                              | Uraian                                                 | Kode | Satuan | Koefisien | HargaSatuan(Rp) | JumlahHarga(Rp) |
| A                                                                                            | Tenaga Kerja                                           |      |        |           |                 |                 |
|                                                                                              | Pekerja                                                | L.01 | OH     | 0,400     | Rp 178.000,00   | Rp 71.200,00    |
|                                                                                              | Tukang Batu                                            | L.02 | OH     | 0,100     | Rp 183.000,00   | Rp 18.300,00    |
|                                                                                              | Kepala Tukang                                          | L.03 | OH     | 0,010     | Rp 210.000,00   | Rp 2.100,00     |
|                                                                                              | Mandor                                                 | L.04 | OH     | 0,040     | Rp 262.000,00   | Rp 10.480,00    |
| Jumlah Harga Tenaga Kerja                                                                    |                                                        |      |        |           |                 | Rp 102.080,00   |
| B                                                                                            | Bahan                                                  |      |        |           |                 |                 |
|                                                                                              | Beton Ready Mixed                                      |      | m3     | 1,02      | Rp 1.533.000,00 | Rp 1.563.660,00 |
| Jumlah Harga Bahan                                                                           |                                                        |      |        |           |                 | Rp 1.563.660,00 |
| C                                                                                            | Peralatan                                              |      |        |           |                 |                 |
| Jumlah Harga Alat                                                                            |                                                        |      |        |           |                 |                 |
| D                                                                                            | Jumlah Harga Tenaga Kerja, Bahan dan Peralatan (A+B+C) |      |        |           |                 | Rp 1.665.740,00 |
| E                                                                                            | Biaya Umum dan Keuntungan (10% - 15%)                  |      |        |           | 15% x D         | Rp 249.861,00   |
| F                                                                                            | Harga Satuan Pekerjaan (D+E)                           |      |        |           |                 | Rp 1.915.601,00 |

| 2.2.1.6.1b 1 m3 Pengecoran beton menggunakan ready mixed K225 |                                                        |      |        |           |                 |                 |
|---------------------------------------------------------------|--------------------------------------------------------|------|--------|-----------|-----------------|-----------------|
|                                                               | Uraian                                                 | Kode | Satuan | Koefisien | HargaSatuan(Rp) | JumlahHarga(Rp) |
| A                                                             | Tenaga Kerja                                           |      |        |           |                 |                 |
|                                                               | Pekerja                                                | L.01 | OH     | 0,400     | Rp 178.000,00   | Rp 71.200,00    |
|                                                               | Tukang Batu                                            | L.02 | OH     | 0,100     | Rp 183.000,00   | Rp 18.300,00    |
|                                                               | Kepala Tukang                                          | L.03 | OH     | 0,010     | Rp 210.000,00   | Rp 2.100,00     |
|                                                               | Mandor                                                 | L.04 | OH     | 0,040     | Rp 262.000,00   | Rp 10.480,00    |
| Jumlah Harga Tenaga Kerja                                     |                                                        |      |        |           |                 | Rp 102.080,00   |
| B                                                             | Bahan                                                  |      |        |           |                 |                 |
|                                                               | Beton Ready Mixed                                      |      | m3     | 1,02      | Rp 1.585.500,00 | Rp 1.617.210,00 |
| Jumlah Harga Bahan                                            |                                                        |      |        |           |                 | Rp 1.617.210,00 |
| C                                                             | Peralatan                                              |      |        |           |                 |                 |
| Jumlah Harga Alat                                             |                                                        |      |        |           |                 |                 |
| D                                                             | Jumlah Harga Tenaga Kerja, Bahan dan Peralatan (A+B+C) |      |        |           |                 | Rp 1.719.290,00 |
| E                                                             | Biaya Umum dan Keuntungan (10% - 15%)                  |      |        |           | 15% x D         | Rp 257.893,50   |
| F                                                             | Harga Satuan Pekerjaan (D+E)                           |      |        |           |                 | Rp 1.977.183,50 |
| 2.2.1.6.1c 1 m3 Pengecoran beton menggunakan ready mixed K250 |                                                        |      |        |           |                 |                 |
|                                                               | Uraian                                                 | Kode | Satuan | Koefisien | HargaSatuan(Rp) | JumlahHarga(Rp) |
| A                                                             | Tenaga Kerja                                           |      |        |           |                 |                 |
|                                                               | Pekerja                                                | L.01 | OH     | 0,400     | Rp 178.000,00   | Rp 71.200,00    |
|                                                               | Tukang Batu                                            | L.02 | OH     | 0,100     | Rp 183.000,00   | Rp 18.300,00    |
|                                                               | Kepala Tukang                                          | L.03 | OH     | 0,010     | Rp 210.000,00   | Rp 2.100,00     |
|                                                               | Mandor                                                 | L.04 | OH     | 0,040     | Rp 262.000,00   | Rp 10.480,00    |
| Jumlah Harga Tenaga Kerja                                     |                                                        |      |        |           |                 | Rp 102.080,00   |
| B                                                             | Bahan                                                  |      |        |           |                 |                 |
|                                                               | Beton Ready Mixed                                      |      | m3     | 1,02      | Rp 1.622.200,00 | Rp 1.654.644,00 |
| Jumlah Harga Bahan                                            |                                                        |      |        |           |                 | Rp 1.654.644,00 |
| C                                                             | Peralatan                                              |      |        |           |                 |                 |
| Jumlah Harga Alat                                             |                                                        |      |        |           |                 |                 |
| D                                                             | Jumlah Harga Tenaga Kerja, Bahan dan Peralatan (A+B+C) |      |        |           |                 | Rp 1.756.724,00 |
| E                                                             | Biaya Umum dan Keuntungan (10% - 15%)                  |      |        |           | 15% x D         | Rp 263.508,60   |
| F                                                             | Harga Satuan Pekerjaan (D+E)                           |      |        |           |                 | Rp 2.020.232,60 |
| 2.2.1.6.1d 1 m3 Pengecoran beton menggunakan ready mixed K300 |                                                        |      |        |           |                 |                 |
|                                                               | Uraian                                                 | Kode | Satuan | Koefisien | HargaSatuan(Rp) | JumlahHarga(Rp) |
| A                                                             | Tenaga Kerja                                           |      |        |           |                 |                 |
|                                                               | Pekerja                                                | L.01 | OH     | 0,400     | Rp 178.000,00   | Rp 71.200,00    |
|                                                               | Tukang Batu                                            | L.02 | OH     | 0,100     | Rp 183.000,00   | Rp 18.300,00    |
|                                                               | Kepala Tukang                                          | L.03 | OH     | 0,010     | Rp 210.000,00   | Rp 2.100,00     |
|                                                               | Mandor                                                 | L.04 | OH     | 0,040     | Rp 262.000,00   | Rp 10.480,00    |
| Jumlah Harga Tenaga Kerja                                     |                                                        |      |        |           |                 | Rp 102.080,00   |
| B                                                             | Bahan                                                  |      |        |           |                 |                 |
|                                                               | Beton Ready Mixed                                      |      | m3     | 1,02      | Rp 1.732.500,00 | Rp 1.767.150,00 |
| Jumlah Harga Bahan                                            |                                                        |      |        |           |                 | Rp 1.767.150,00 |
| C                                                             | Peralatan                                              |      |        |           |                 |                 |
| Jumlah Harga Alat                                             |                                                        |      |        |           |                 |                 |
| D                                                             | Jumlah Harga Tenaga Kerja, Bahan dan Peralatan (A+B+C) |      |        |           |                 | Rp 1.869.230,00 |
| E                                                             | Biaya Umum dan Keuntungan (10% - 15%)                  |      |        |           | 15% x D         | Rp 280.384,50   |
| F                                                             | Harga Satuan Pekerjaan (D+E)                           |      |        |           |                 | Rp 2.149.614,50 |

|                                                                                |                                                        |      |        |           |                 |                 |
|--------------------------------------------------------------------------------|--------------------------------------------------------|------|--------|-----------|-----------------|-----------------|
| 2.2.1.10.2 Pembuatan m' balok praktis beton bertulang ( Ringbalk 10x15 )       |                                                        |      |        |           |                 |                 |
|                                                                                | Uraian                                                 | Kode | Satuan | Koefisien | HargaSatuan(Rp) | JumlahHarga(Rp) |
| A                                                                              | Tenaga Kerja                                           |      |        |           |                 |                 |
|                                                                                | Pekerja                                                | L.01 | OH     | 0,297     | Rp 178.000,00   | Rp 52.866,00    |
|                                                                                | Tukang Batu                                            | L.02 | OH     | 0,033     | Rp 183.000,00   | Rp 6.039,00     |
|                                                                                | Tukang kayu                                            | L.02 | OH     | 0,033     | Rp 183.000,00   | Rp 6.039,00     |
|                                                                                | tukang Besi                                            | L.02 | OH     | 0,033     | Rp 183.000,00   | Rp 6.039,00     |
|                                                                                | Kepala Tukang                                          | L.03 | OH     | 0,010     | Rp 210.000,00   | Rp 2.100,00     |
|                                                                                | Mandor                                                 | L.04 | OH     | 0,015     | Rp 262.000,00   | Rp 3.930,00     |
| Jumlah Harga Tenaga Kerja                                                      |                                                        |      |        |           |                 | Rp 77.013,00    |
| B                                                                              | Bahan                                                  |      |        |           |                 |                 |
|                                                                                | kayu Kelas III                                         |      | m3     | 0,003     | Rp 1.890.000,00 | Rp 5.670,00     |
|                                                                                | Paku 5 - 12 cm                                         |      | kg     | 0,020     | Rp 24.000,00    | Rp 480,00       |
|                                                                                | Minyak Bekisting                                       |      | Liter  | 0,200     | Rp -            | Rp -            |
|                                                                                | Besi beton polos                                       |      | kg     | 3,600     | Rp 13.300,00    | Rp 47.880,00    |
|                                                                                | Kawat beton                                            |      | Kg     | 0,050     | Rp 35.700,00    | Rp 1.785,00     |
|                                                                                | Semen portland                                         |      | kg     | 5,500     | Rp 1.540,00     | Rp 8.470,00     |
|                                                                                | Pasir beton                                            |      | m3     | 0,009     | Rp 360.000,00   | Rp 3.240,00     |
|                                                                                | kerikil                                                |      | m3     | 0,015     | Rp 625.000,00   | Rp 9.375,00     |
|                                                                                | Jumlah Harga Bahan                                     |      |        |           |                 |                 |
| C                                                                              | Peralatan                                              |      |        |           |                 |                 |
|                                                                                | Concrete pump                                          |      | jam    |           | Rp 61.600,00    | Rp -            |
|                                                                                | concrete vibrator                                      |      | jam    |           | Rp 79.819,82    | Rp -            |
| Jumlah Harga Alat                                                              |                                                        |      |        |           |                 | Rp -            |
| D                                                                              | Jumlah Harga Tenaga Kerja, Bahan dan Peralatan (A+B+C) |      |        |           |                 | Rp 153.913,00   |
| E                                                                              | Biaya Umum dan Keuntungan (10% - 15%) x D              |      |        |           | 15% x D         | Rp 23.086,95    |
| F                                                                              | Harga Satuan Pekerjaan (D+E)                           |      |        |           |                 | Rp 176.999,95   |
|                                                                                |                                                        |      |        |           |                 |                 |
| PEKERJAAN PENUTUP ATAP                                                         |                                                        |      |        |           |                 |                 |
| 3.1.3.7 Pemasangan 1 m2 atap metal Lembaran                                    |                                                        |      |        |           |                 |                 |
| 3.1.3.7a Pemasangan 1 m2 Inspiro Charcoal Blue tebal 0,3 mm rangka baja ringan |                                                        |      |        |           |                 |                 |
|                                                                                | Uraian                                                 | Kode | Satuan | Koefisien | HargaSatuan(Rp) | JumlahHarga(Rp) |
| A                                                                              | Tenaga Kerja                                           |      |        |           |                 |                 |
|                                                                                | Pekerja                                                | L.01 | OH     | 0,080     | Rp 178.000,00   | Rp 14.240,00    |
|                                                                                | Tukang                                                 | L.02 | OH     | 0,040     | Rp 183.000,00   | Rp 7.320,00     |
|                                                                                | Kepala Tukang                                          | L.03 | OH     | 0,004     | Rp 210.000,00   | Rp 840,00       |
|                                                                                | Mandor                                                 | L.04 | OH     | 0,001     | Rp 262.000,00   | Rp 340,60       |
| Jumlah Harga Tenaga Kerja                                                      |                                                        |      |        |           |                 | Rp 22.740,60    |
| B                                                                              | Bahan                                                  |      |        |           |                 |                 |
|                                                                                | Atap metal spandek 0,3 mm lebar 72 cm                  |      | Lbr    | 2,310     | Rp 79.500,00    | Rp 183.645,00   |
|                                                                                | Skrup Atap                                             |      | kg     | 0,150     | Rp 54.545,45    | Rp 8.181,82     |
| Jumlah Harga Bahan                                                             |                                                        |      |        |           |                 | Rp 191.826,82   |
| C                                                                              | Peralatan                                              |      |        |           |                 |                 |
| Jumlah Harga Alat                                                              |                                                        |      |        |           |                 |                 |
| D                                                                              | Jumlah Harga Tenaga Kerja, Bahan dan Peralatan (A+B+C) |      |        |           |                 | Rp 214.567,42   |
| E                                                                              | Biaya Umum dan Keuntungan (10% - 15%) x D              |      |        |           | 15% x D         | Rp 32.185,11    |
| F                                                                              | Harga Satuan Pekerjaan (D+E)                           |      |        |           |                 | Rp 246.752,53   |
|                                                                                |                                                        |      |        |           |                 |                 |
| 3.1.3.8b Pemasangan 1 m2 atap metal (spandek) menerus tebal 0,3 mm rangka kayu |                                                        |      |        |           |                 |                 |
|                                                                                | Uraian                                                 | Kode | Satuan | Koefisien | HargaSatuan(Rp) | JumlahHarga(Rp) |
| A                                                                              | Tenaga Kerja                                           |      |        |           |                 |                 |
|                                                                                | Pekerja                                                | L.01 | OH     | 0,080     | Rp 178.000,00   | Rp 14.240,00    |
|                                                                                | Tukang                                                 | L.02 | OH     | 0,040     | Rp 183.000,00   | Rp 7.320,00     |
|                                                                                | Kepala Tukang                                          | L.03 | OH     | 0,004     | Rp 210.000,00   | Rp 840,00       |
|                                                                                | Mandor                                                 | L.04 | OH     | 0,001     | Rp 262.000,00   | Rp 340,60       |
| Jumlah Harga Tenaga Kerja                                                      |                                                        |      |        |           |                 | Rp 22.740,60    |
| B                                                                              | Bahan                                                  |      |        |           |                 |                 |
|                                                                                | Atap metal spandek 0,3 mm lebar 72 cm                  |      | M'     | 1,625     | Rp 79.500,00    | Rp 129.187,50   |
|                                                                                | Paku biasa seng                                        |      | kg     | 0,150     | Rp 47.200,00    | Rp 7.080,00     |
| Jumlah Harga Bahan                                                             |                                                        |      |        |           |                 | Rp 136.267,50   |
| C                                                                              | Peralatan                                              |      |        |           |                 |                 |
| Jumlah Harga Alat                                                              |                                                        |      |        |           |                 |                 |
| D                                                                              | Jumlah Harga Tenaga Kerja, Bahan dan Peralatan (A+B+C) |      |        |           |                 | Rp 159.008,10   |
| E                                                                              | Biaya Umum dan Keuntungan (10% - 15%) x D              |      |        |           | 15% x D         | Rp 23.851,22    |
| F                                                                              | Harga Satuan Pekerjaan (D+E)                           |      |        |           |                 | Rp 182.859,32   |

|                                                                            |                                                        |      |        |           |                 |                 |
|----------------------------------------------------------------------------|--------------------------------------------------------|------|--------|-----------|-----------------|-----------------|
| 3.1.3.14 Pemasangan 1 m' nok / bubung atap metal                           |                                                        |      |        |           |                 |                 |
|                                                                            | Uraian                                                 | Kode | Satuan | Koefisien | HargaSatuan(Rp) | JumlahHarga(Rp) |
| A                                                                          | Tenaga Kerja                                           |      |        |           |                 |                 |
|                                                                            | Pekerja                                                | L.01 | OH     | 0,250     | Rp 178.000,00   | Rp 44.500,00    |
|                                                                            | Tukang                                                 | L.02 | OH     | 0,150     | Rp 183.000,00   | Rp 27.450,00    |
|                                                                            | Kepala Tukang                                          | L.03 | OH     | 0,015     | Rp 210.000,00   | Rp 3.150,00     |
|                                                                            | Mandor                                                 | L.04 | OH     | 0,005     | Rp 262.000,00   | Rp 1.310,00     |
| Jumlah Harga Tenaga Kerja                                                  |                                                        |      |        |           |                 | Rp 76.410,00    |
| B                                                                          | Bahan                                                  |      |        |           |                 |                 |
|                                                                            | Nok genteng metal panjang 100 cm                       |      | m2     | 1,100     | Rp 35.000,00    | Rp 38.500,00    |
|                                                                            | Paku biasa seng                                        |      | kg     | 0,050     | Rp 47.200,00    | Rp 2.360,00     |
| Jumlah Harga Bahan                                                         |                                                        |      |        |           |                 | Rp 40.860,00    |
| C                                                                          | Peralatan                                              |      |        |           |                 |                 |
| Jumlah Harga Alat                                                          |                                                        |      |        |           |                 |                 |
| D                                                                          | Jumlah Harga Tenaga Kerja, Bahan dan Peralatan (A+B+C) |      |        |           |                 | Rp 117.270,00   |
| E                                                                          | Biaya Umum dan Keuntungan (10% - 15%) x D              |      |        |           | 15% x D         | Rp 17.590,50    |
| F                                                                          | Harga Satuan Pekerjaan (D+E)                           |      |        |           |                 | Rp 134.860,50   |
| PEKERJAAN AKSESORIS ATAP                                                   |                                                        |      |        |           |                 |                 |
| 3.3.1 Pemasangan 1 m2 talang datar / jurai seng BJLS 28 lebar 90 cm        |                                                        |      |        |           |                 |                 |
|                                                                            | Uraian                                                 | Kode | Satuan | Koefisien | HargaSatuan(Rp) | JumlahHarga(Rp) |
| A                                                                          | Tenaga Kerja                                           |      |        |           |                 |                 |
|                                                                            | Pekerja                                                | L.01 | OH     | 0,200     | Rp 178.000,00   | Rp 35.600,00    |
|                                                                            | Tukang                                                 | L.02 | OH     | 0,200     | Rp 183.000,00   | Rp 36.600,00    |
|                                                                            | Kepala Tukang                                          | L.03 | OH     | 0,020     | Rp 210.000,00   | Rp 4.200,00     |
|                                                                            | Mandor                                                 | L.04 | OH     | 0,0067    | Rp 262.000,00   | Rp 1.755,40     |
| Jumlah Harga Tenaga Kerja                                                  |                                                        |      |        |           |                 | Rp 78.155,40    |
| B                                                                          | Bahan                                                  |      |        |           |                 |                 |
|                                                                            | Seng pelat                                             |      | m2     | 1,050     | Rp 47.000,00    | Rp 49.350,00    |
|                                                                            | Paku 1 - 2,5 cm                                        |      | kg     | 0,015     | Rp 24.000,00    | Rp 360,00       |
|                                                                            | Papan kayu kelas III                                   |      | m3     | 0,019     | Rp 1.890.000,00 | Rp 35.910,00    |
| Jumlah Harga Bahan                                                         |                                                        |      |        |           |                 | Rp 85.620,00    |
| C                                                                          | Peralatan                                              |      |        |           |                 |                 |
| Jumlah Harga Alat                                                          |                                                        |      |        |           |                 |                 |
| D                                                                          | Jumlah Harga Tenaga Kerja, Bahan dan Peralatan (A+B+C) |      |        |           |                 | Rp 163.775,40   |
| E                                                                          | Biaya Umum dan Keuntungan (10% - 15%) x D              |      |        |           | 15% x D         | Rp 24.566,31    |
| F                                                                          | Harga Satuan Pekerjaan (D+E)                           |      |        |           |                 | Rp 188.341,71   |
| 3.3.3 Pemasangan 1 m' lisplank ukuran (3x20 cm) kayu kelas I atau kelas II |                                                        |      |        |           |                 |                 |
| 3.3.3a Pemasangan 1 m' lisplank ukuran (3x20 cm) kayu kelas II             |                                                        |      |        |           |                 |                 |
|                                                                            | Uraian                                                 | Kode | Satuan | Koefisien | HargaSatuan(Rp) | JumlahHarga(Rp) |
| A                                                                          | Tenaga Kerja                                           |      |        |           |                 |                 |
|                                                                            | Pekerja                                                | L.01 | OH     | 0,100     | Rp 178.000,00   | Rp 17.800,00    |
|                                                                            | Tukang Kayu                                            | L.02 | OH     | 0,200     | Rp 183.000,00   | Rp 36.600,00    |
|                                                                            | Kepala Tukang                                          | L.03 | OH     | 0,020     | Rp 210.000,00   | Rp 4.200,00     |
|                                                                            | Mandor                                                 | L.04 | OH     | 0,0067    | Rp 262.000,00   | Rp 1.755,40     |
| Jumlah Harga Tenaga Kerja                                                  |                                                        |      |        |           |                 | Rp 60.355,40    |
| B                                                                          | Bahan                                                  |      |        |           |                 |                 |
|                                                                            | Papan Kayu kelas II ( benuas )                         |      | m3     | 0,011     | Rp 6.825.000,00 | Rp 73.710,00    |
|                                                                            | Paku 5 cm dan 7 cm                                     |      | kg     | 0,100     | Rp 24.000,00    | Rp 2.400,00     |
| Jumlah Harga Bahan                                                         |                                                        |      |        |           |                 | Rp 76.110,00    |
| C                                                                          | Peralatan                                              |      |        |           |                 |                 |
| Jumlah Harga Alat                                                          |                                                        |      |        |           |                 |                 |
| D                                                                          | Jumlah Harga Tenaga Kerja, Bahan dan Peralatan (A+B+C) |      |        |           |                 | Rp 136.465,40   |
| E                                                                          | Biaya Umum dan Keuntungan (10% - 15%) x D              |      |        |           | 15% x D         | Rp 20.469,81    |
| F                                                                          | Harga Satuan Pekerjaan (D+E)                           |      |        |           |                 | Rp 156.935,21   |

| 3.3.3b Pemasangan 1 m' lisplank ukuran (2x20 cm) kayu kelas II          |                                                        |      |        |           |                 |                 |
|-------------------------------------------------------------------------|--------------------------------------------------------|------|--------|-----------|-----------------|-----------------|
|                                                                         | Uraian                                                 | Kode | Satuan | Koefisien | HargaSatuan(Rp) | JumlahHarga(Rp) |
| A                                                                       | Tenaga Kerja                                           |      |        |           |                 |                 |
|                                                                         | Pekerja                                                | L.01 | OH     | 0,100     | Rp 178.000,00   | Rp 17.800,00    |
|                                                                         | Tukang Kayu                                            | L.02 | OH     | 0,200     | Rp 183.000,00   | Rp 36.600,00    |
|                                                                         | Kepala Tukang                                          | L.03 | OH     | 0,020     | Rp 210.000,00   | Rp 4.200,00     |
|                                                                         | Mandor                                                 | L.04 | OH     | 0,0067    | Rp 262.000,00   | Rp 1.755,40     |
| Jumlah Harga Tenaga Kerja                                               |                                                        |      |        |           |                 | Rp 60.355,40    |
| B                                                                       | Bahan                                                  |      |        |           |                 |                 |
|                                                                         | Papan Kayu kelas II (benuas)                           |      | m3     | 0,007     | Rp 6.825.000,00 | Rp 49.140,00    |
|                                                                         | Paku 5 cm dan 7 cm                                     |      | kg     | 0,100     | Rp 24.000,00    | Rp 2.400,00     |
| Jumlah Harga Bahan                                                      |                                                        |      |        |           |                 | Rp 51.540,00    |
| C                                                                       | Peralatan                                              |      |        |           |                 |                 |
| Jumlah Harga Alat                                                       |                                                        |      |        |           |                 |                 |
| D                                                                       | Jumlah Harga Tenaga Kerja, Bahan dan Peralatan (A+B+C) |      |        |           |                 | Rp 111.895,40   |
| E                                                                       | Biaya Umum dan Keuntungan (10% - 15%) x D              |      |        |           | 15% x D         | Rp 16.784,31    |
| F                                                                       | Harga Satuan Pekerjaan (D+E)                           |      |        |           |                 | Rp 128.679,71   |
| 3.3.5 Pemasangan 1 m' lisplank non kayu (GRC, Serat semen ) lebar 30 cm |                                                        |      |        |           |                 |                 |
|                                                                         | Uraian                                                 | Kode | Satuan | Koefisien | HargaSatuan(Rp) | JumlahHarga(Rp) |
| A                                                                       | Tenaga Kerja                                           |      |        |           |                 |                 |
|                                                                         | Pekerja                                                | L.01 | OH     | 0,100     | Rp 178.000,00   | Rp 17.800,00    |
|                                                                         | Tukang                                                 | L.02 | OH     | 0,200     | Rp 183.000,00   | Rp 36.600,00    |
|                                                                         | Kepala Tukang                                          | L.03 | OH     | 0,020     | Rp 210.000,00   | Rp 4.200,00     |
|                                                                         | Mandor                                                 | L.04 | OH     | 0,0067    | Rp 262.000,00   | Rp 1.755,40     |
| Jumlah Harga Tenaga Kerja                                               |                                                        |      |        |           |                 | Rp 60.355,40    |
| B                                                                       | Bahan                                                  |      |        |           |                 |                 |
|                                                                         | GRC / Serat semen lebar 30 cm                          |      | m3     | 1,050     | Rp 21.637,50    | Rp 22.719,38    |
|                                                                         | Paku 5 cm dan 7 cm                                     |      | kg     | 0,050     | Rp 24.000,00    | Rp 1.200,00     |
| Jumlah Harga Bahan                                                      |                                                        |      |        |           |                 | Rp 23.919,38    |
| C                                                                       | Peralatan                                              |      |        |           |                 |                 |
| Jumlah Harga Alat                                                       |                                                        |      |        |           |                 |                 |
| D                                                                       | Jumlah Harga Tenaga Kerja, Bahan dan Peralatan (A+B+C) |      |        |           |                 | Rp 84.274,78    |
| E                                                                       | Biaya Umum dan Keuntungan (10% - 15%) x D              |      |        |           | 15% x D         | Rp 12.641,22    |
| F                                                                       | Harga Satuan Pekerjaan (D+E)                           |      |        |           |                 | Rp 96.915,99    |
| 3.3.6 Pemasangan 1 m' lisplank non kayu (GRC, Serat semen ) lebar 20 cm |                                                        |      |        |           |                 |                 |
|                                                                         | Uraian                                                 | Kode | Satuan | Koefisien | HargaSatuan(Rp) | JumlahHarga(Rp) |
| A                                                                       | Tenaga Kerja                                           |      |        |           |                 |                 |
|                                                                         | Pekerja                                                | L.01 | OH     | 0,100     | Rp 178.000,00   | Rp 17.800,00    |
|                                                                         | Tukang                                                 | L.02 | OH     | 0,200     | Rp 183.000,00   | Rp 36.600,00    |
|                                                                         | Kepala Tukang                                          | L.03 | OH     | 0,020     | Rp 210.000,00   | Rp 4.200,00     |
|                                                                         | Mandor                                                 | L.04 | OH     | 0,0067    | Rp 262.000,00   | Rp 1.755,40     |
| Jumlah Harga Tenaga Kerja                                               |                                                        |      |        |           |                 | Rp 60.355,40    |
| B                                                                       | Bahan                                                  |      |        |           |                 |                 |
|                                                                         | GRC / Serat semen lebar 20 cm                          |      | m3     | 1,050     | Rp 14.425,00    | Rp 15.146,25    |
|                                                                         | Paku 5 cm dan 7 cm                                     |      | kg     | 0,050     | Rp 24.000,00    | Rp 1.200,00     |
| Jumlah Harga Bahan                                                      |                                                        |      |        |           |                 | Rp 16.346,25    |
| C                                                                       | Peralatan                                              |      |        |           |                 |                 |
| Jumlah Harga Alat                                                       |                                                        |      |        |           |                 |                 |
| D                                                                       | Jumlah Harga Tenaga Kerja, Bahan dan Peralatan (A+B+C) |      |        |           |                 | Rp 76.701,65    |
| E                                                                       | Biaya Umum dan Keuntungan (10% - 15%) x D              |      |        |           | 15% x D         | Rp 11.505,25    |
| F                                                                       | Harga Satuan Pekerjaan (D+E)                           |      |        |           |                 | Rp 88.206,90    |

| LANGIT - LANGIT ( PLAFOND ) LAINNYA |                                                                   |      |        |           |                 |                 |
|-------------------------------------|-------------------------------------------------------------------|------|--------|-----------|-----------------|-----------------|
| 3.5.2.1                             | Pemasangan 1 m2 langit - langit (plafond) gypsum tebal 9 mm       |      |        |           |                 |                 |
|                                     | Uraian                                                            | Kode | Satuan | Koefisien | HargaSatuan(Rp) | JumlahHarga(Rp) |
| A                                   | Tenaga Kerja                                                      |      |        |           |                 |                 |
|                                     | Pekerja                                                           | L.01 | OH     | 0,100     | Rp 178.000,00   | Rp 17.800,00    |
|                                     | Tukang Kayu                                                       | L.02 | OH     | 0,050     | Rp 183.000,00   | Rp 9.150,00     |
|                                     | Kepala Tukang                                                     | L.03 | OH     | 0,005     | Rp 210.000,00   | Rp 1.050,00     |
|                                     | Mandor                                                            | L.04 | OH     | 0,0017    | Rp 262.000,00   | Rp 445,40       |
| Jumlah Harga Tenaga Kerja           |                                                                   |      |        |           |                 | Rp 28.445,40    |
| B                                   | Bahan                                                             |      |        |           |                 |                 |
|                                     | papan gypsum 120 x 240 cm                                         |      | m2     | 0,364     | Rp 78.000,00    | Rp 28.392,00    |
|                                     | Paku sekrup                                                       |      | kg     | 0,110     | Rp 24.000,00    | Rp 2.640,00     |
| Jumlah Harga Bahan                  |                                                                   |      |        |           |                 | Rp 31.032,00    |
| C                                   | Peralatan                                                         |      |        |           |                 |                 |
| Jumlah Harga Alat                   |                                                                   |      |        |           |                 |                 |
| D                                   | Jumlah Harga Tenaga Kerja, Bahan dan Peralatan (A+B+C)            |      |        |           |                 | Rp 59.477,40    |
| E                                   | Biaya Umum dan Keuntungan (10% - 15%) x D                         |      |        |           | 15% x D         | Rp 8.921,61     |
| F                                   | Harga Satuan Pekerjaan (D+E)                                      |      |        |           |                 | Rp 68.399,01    |
|                                     |                                                                   |      |        |           |                 |                 |
| 3.5.2.1a                            | Pemasangan 1 m2 langit - langit (plafond) kalsiboard tebal 3,5 mm |      |        |           |                 |                 |
|                                     | Uraian                                                            | Kode | Satuan | Koefisien | HargaSatuan(Rp) | JumlahHarga(Rp) |
| A                                   | Tenaga Kerja                                                      |      |        |           |                 |                 |
|                                     | Pekerja                                                           | L.01 | OH     | 0,100     | Rp 178.000,00   | Rp 17.800,00    |
|                                     | Tukang Kayu                                                       | L.02 | OH     | 0,050     | Rp 183.000,00   | Rp 9.150,00     |
|                                     | Kepala Tukang                                                     | L.03 | OH     | 0,005     | Rp 210.000,00   | Rp 1.050,00     |
|                                     | Mandor                                                            | L.04 | OH     | 0,0017    | Rp 262.000,00   | Rp 445,40       |
| Jumlah Harga Tenaga Kerja           |                                                                   |      |        |           |                 | Rp 28.445,40    |
| B                                   | Bahan                                                             |      |        |           |                 |                 |
|                                     | papan kalsiboard 3,5 mm ( 120x240 ) cm                            |      | m2     | 0,364     | Rp 53.000,00    | Rp 19.292,00    |
|                                     | Paku sekrup                                                       |      | kg     | 0,110     | Rp 24.000,00    | Rp 2.640,00     |
| Jumlah Harga Bahan                  |                                                                   |      |        |           |                 | Rp 21.932,00    |
| C                                   | Peralatan                                                         |      |        |           |                 |                 |
| Jumlah Harga Alat                   |                                                                   |      |        |           |                 |                 |
| D                                   | Jumlah Harga Tenaga Kerja, Bahan dan Peralatan (A+B+C)            |      |        |           |                 | Rp 50.377,40    |
| E                                   | Biaya Umum dan Keuntungan (10% - 15%) x D                         |      |        |           | 15% x D         | Rp 7.556,61     |
| F                                   | Harga Satuan Pekerjaan (D+E)                                      |      |        |           |                 | Rp 57.934,01    |
|                                     |                                                                   |      |        |           |                 |                 |
| 3.5.2.6                             | Pemasangan 1 m' list langit - langit (plafond) gypsum             |      |        |           |                 |                 |
|                                     | Uraian                                                            | Kode | Satuan | Koefisien | HargaSatuan(Rp) | JumlahHarga(Rp) |
| A                                   | Tenaga Kerja                                                      |      |        |           |                 |                 |
|                                     | Pekerja                                                           | L.01 | OH     | 0,025     | Rp 178.000,00   | Rp 4.450,00     |
|                                     | Tukang Kayu                                                       | L.02 | OH     | 0,025     | Rp 183.000,00   | Rp 4.575,00     |
|                                     | Kepala Tukang                                                     | L.03 | OH     | 0,003     | Rp 210.000,00   | Rp 525,00       |
|                                     | Mandor                                                            | L.04 | OH     | 0,0008    | Rp 262.000,00   | Rp 209,60       |
| Jumlah Harga Tenaga Kerja           |                                                                   |      |        |           |                 | Rp 9.759,60     |
| B                                   | Bahan                                                             |      |        |           |                 |                 |
|                                     | List Gypsum                                                       |      | m'     | 1,100     | Rp 10.500,00    | Rp 11.550,00    |
|                                     | Paku                                                              |      | kg     | 0,010     | Rp 24.000,00    | Rp 240,00       |
| Jumlah Harga Bahan                  |                                                                   |      |        |           |                 | Rp 11.790,00    |
| C                                   | Peralatan                                                         |      |        |           |                 |                 |
| Jumlah Harga Alat                   |                                                                   |      |        |           |                 |                 |
| D                                   | Jumlah Harga Tenaga Kerja, Bahan dan Peralatan (A+B+C)            |      |        |           |                 | Rp 21.549,60    |
| E                                   | Biaya Umum dan Keuntungan (10% - 15%) x D                         |      |        |           | 15% x D         | Rp 3.232,44     |
| F                                   | Harga Satuan Pekerjaan (D+E)                                      |      |        |           |                 | Rp 24.782,04    |

|                                                                             |                                                        |      |        |             |                 |                 |
|-----------------------------------------------------------------------------|--------------------------------------------------------|------|--------|-------------|-----------------|-----------------|
| 3.5.2.6a Pemasangan 1 m' list langit - langit (plafond) kalsiboard          |                                                        |      |        |             |                 |                 |
|                                                                             | Uraian                                                 | Kode | Satuan | Koefisien   | HargaSatuan(Rp) | JumlahHarga(Rp) |
| A                                                                           | Tenaga Kerja                                           |      |        |             |                 |                 |
|                                                                             | Pekerja                                                | L.01 | OH     | 0,025       | Rp 178.000,00   | Rp 4.450,00     |
|                                                                             | Tukang Kayu                                            | L.02 | OH     | 0,025       | Rp 183.000,00   | Rp 4.575,00     |
|                                                                             | Kepala Tukang                                          | L.03 | OH     | 0,003       | Rp 210.000,00   | Rp 525,00       |
|                                                                             | Mandor                                                 | L.04 | OH     | 0,0008      | Rp 262.000,00   | Rp 209,60       |
| Jumlah Harga Tenaga Kerja                                                   |                                                        |      |        |             |                 | Rp 9.759,60     |
| B                                                                           | Bahan                                                  |      |        |             |                 |                 |
|                                                                             | List kalsiboard kayu profil                            |      | m'     | 1,100       | Rp 5.250,00     | Rp 5.775,00     |
|                                                                             | Paku                                                   |      | kg     | 0,010       | Rp 24.000,00    | Rp 240,00       |
| Jumlah Harga Bahan                                                          |                                                        |      |        |             |                 | Rp 6.015,00     |
| C                                                                           | Peralatan                                              |      |        |             |                 |                 |
| Jumlah Harga Alat                                                           |                                                        |      |        |             |                 |                 |
| D                                                                           | Jumlah Harga Tenaga Kerja, Bahan dan Peralatan (A+B+C) |      |        |             |                 | Rp 15.774,60    |
| E                                                                           | Biaya Umum dan Keuntungan (10% - 15%) x D              |      |        |             | 15% x D         | Rp 2.366,19     |
| F                                                                           | Harga Satuan Pekerjaan (D+E)                           |      |        |             |                 | Rp 18.140,79    |
| RANGKA LANGIT - LANGIT ( PLAFOND )                                          |                                                        |      |        |             |                 |                 |
| 3.5.3.1 Pemasangan 1 m2 rangka langit - langit (plafond) besi hollow 40.40  |                                                        |      |        |             |                 |                 |
|                                                                             | Uraian                                                 | Kode | Satuan | Koefisien   | HargaSatuan(Rp) | JumlahHarga(Rp) |
| A                                                                           | Tenaga Kerja                                           |      |        |             |                 |                 |
|                                                                             | Pekerja                                                | L.01 | OH     | 0,350       | Rp 178.000,00   | Rp 62.300,00    |
|                                                                             | Tukang Besi                                            | L.02 | OH     | 0,350       | Rp 183.000,00   | Rp 64.050,00    |
|                                                                             | Kepala Tukang                                          | L.03 | OH     | 0,350       | Rp 210.000,00   | Rp 73.500,00    |
|                                                                             | Mandor                                                 | L.04 | OH     | 0,0117      | Rp 262.000,00   | Rp 3.065,40     |
| Jumlah Harga Tenaga Kerja                                                   |                                                        |      |        |             |                 | Rp 202.915,40   |
| B                                                                           | Bahan                                                  |      |        |             |                 |                 |
|                                                                             | Rangka metal hollow 40x40, 0,3mm                       |      | m2     | 0,364       | Rp 37.800,00    | Rp 13.759,20    |
|                                                                             | Assesoris ( Perkuatan, baut sekrup dll )               |      | Ls     | 100%xrangka | Rp 1.500,00     | Rp 1.500,00     |
| Jumlah Harga Bahan                                                          |                                                        |      |        |             |                 | Rp 15.259,20    |
| C                                                                           | Peralatan                                              |      |        |             |                 |                 |
| Jumlah Harga Alat                                                           |                                                        |      |        |             |                 |                 |
| D                                                                           | Jumlah Harga Tenaga Kerja, Bahan dan Peralatan (A+B+C) |      |        |             |                 | Rp 218.174,60   |
| E                                                                           | Biaya Umum dan Keuntungan (10% - 15%) x D              |      |        |             | 15% x D         | Rp 32.726,19    |
| F                                                                           | Harga Satuan Pekerjaan (D+E)                           |      |        |             |                 | Rp 250.900,79   |
| 3.5.3.1a Pemasangan 1 m2 rangka langit - langit (plafond) besi hollow 20.40 |                                                        |      |        |             |                 |                 |
|                                                                             | Uraian                                                 | Kode | Satuan | Koefisien   | HargaSatuan(Rp) | JumlahHarga(Rp) |
| A                                                                           | Tenaga Kerja                                           |      |        |             |                 |                 |
|                                                                             | Pekerja                                                | L.01 | OH     | 0,350       | Rp 178.000,00   | Rp 62.300,00    |
|                                                                             | Tukang Besi                                            | L.02 | OH     | 0,350       | Rp 183.000,00   | Rp 64.050,00    |
|                                                                             | Kepala Tukang                                          | L.03 | OH     | 0,350       | Rp 210.000,00   | Rp 73.500,00    |
|                                                                             | Mandor                                                 | L.04 | OH     | 0,0117      | Rp 262.000,00   | Rp 3.065,40     |
| Jumlah Harga Tenaga Kerja                                                   |                                                        |      |        |             |                 | Rp 202.915,40   |
| B                                                                           | Bahan                                                  |      |        |             |                 |                 |
|                                                                             | Rangka metal hollow 20x40, 0,3mm                       |      | m2     | 0,364       | Rp 28.800,00    | Rp 10.483,20    |
|                                                                             | Assesoris ( Perkuatan, baut sekrup dll )               |      | Ls     | 100%xrangka | Rp 1.500,00     | Rp 1.500,00     |
| Jumlah Harga Bahan                                                          |                                                        |      |        |             |                 | Rp 11.983,20    |
| C                                                                           | Peralatan                                              |      |        |             |                 |                 |
| Jumlah Harga Alat                                                           |                                                        |      |        |             |                 |                 |
| D                                                                           | Jumlah Harga Tenaga Kerja, Bahan dan Peralatan (A+B+C) |      |        |             |                 | Rp 214.898,60   |
| E                                                                           | Biaya Umum dan Keuntungan (10% - 15%) x D              |      |        |             | 15% x D         | Rp 32.234,79    |
| F                                                                           | Harga Satuan Pekerjaan (D+E)                           |      |        |             |                 | Rp 247.133,39   |

| 3.5.3.2 Pemasangan 1 m2 rangka besi hollow galvanis 40.40 mm modul 60x60 cm untuk langit langit plafon |                                                        |      |        |             |                 |                 |
|--------------------------------------------------------------------------------------------------------|--------------------------------------------------------|------|--------|-------------|-----------------|-----------------|
|                                                                                                        | Uraian                                                 | Kode | Satuan | Koefisien   | HargaSatuan(Rp) | JumlahHarga(Rp) |
| A                                                                                                      | Tenaga Kerja                                           |      |        |             |                 |                 |
|                                                                                                        | Pekerja                                                | L.01 | OH     | 0,350       | Rp 178.000,00   | Rp 62.300,00    |
|                                                                                                        | Tukang Besi                                            | L.02 | OH     | 0,350       | Rp 183.000,00   | Rp 64.050,00    |
|                                                                                                        | Kepala Tukang                                          | L.03 | OH     | 0,350       | Rp 210.000,00   | Rp 73.500,00    |
|                                                                                                        | Mandor                                                 | L.04 | OH     | 0,0117      | Rp 262.000,00   | Rp 3.065,40     |
| Jumlah Harga Tenaga Kerja                                                                              |                                                        |      |        |             |                 | Rp 202.915,40   |
| B                                                                                                      | Bahan                                                  |      |        |             |                 |                 |
|                                                                                                        | Rangka metal hollow 40x40                              |      | m2     | 0,364       | Rp 92.000,00    | Rp 33.488,00    |
|                                                                                                        | Assesoris ( Perkuatan, baut sekrup dll )               |      | Ls     | 100%xrangka | Rp 1.750,00     | Rp 1.750,00     |
| Jumlah Harga Bahan                                                                                     |                                                        |      |        |             |                 | Rp 35.238,00    |
| C                                                                                                      | Peralatan                                              |      |        |             |                 |                 |
| Jumlah Harga Alat                                                                                      |                                                        |      |        |             |                 |                 |
| D                                                                                                      | Jumlah Harga Tenaga Kerja, Bahan dan Peralatan (A+B+C) |      |        |             |                 | Rp 238.153,40   |
| E                                                                                                      | Biaya Umum dan Keuntungan (10% - 15%) x D              |      |        |             | 15% x D         | Rp 35.723,01    |
| F                                                                                                      | Harga Satuan Pekerjaan (D+E)                           |      |        |             |                 | Rp 273.876,41   |
| 3.5.3.3 Pemasangan 1 m2 rangka langit - langit (plafon) 50x100 cm kayu kelas II atau kelas III         |                                                        |      |        |             |                 |                 |
|                                                                                                        | Uraian                                                 | Kode | Satuan | Koefisien   | HargaSatuan(Rp) | JumlahHarga(Rp) |
| A                                                                                                      | Tenaga Kerja                                           |      |        |             |                 |                 |
|                                                                                                        | Pekerja                                                | L.01 | OH     | 0,150       | Rp 178.000,00   | Rp 26.700,00    |
|                                                                                                        | Tukang Kayu                                            | L.02 | OH     | 0,300       | Rp 183.000,00   | Rp 54.900,00    |
|                                                                                                        | Kepala Tukang                                          | L.03 | OH     | 0,030       | Rp 210.000,00   | Rp 6.300,00     |
|                                                                                                        | Mandor                                                 | L.04 | OH     | 0,0100      | Rp 262.000,00   | Rp 2.620,00     |
| Jumlah Harga Tenaga Kerja                                                                              |                                                        |      |        |             |                 | Rp 90.520,00    |
| B                                                                                                      | Bahan                                                  |      |        |             |                 |                 |
|                                                                                                        | Kayu Kaso 5x7 cm kayu kelas II (lanan)                 |      | m3     | 0,0163      | Rp 3.500.000,00 | Rp 57.050,00    |
|                                                                                                        | Paku 7-10 cm                                           |      | kg     | 0,250       | Rp 24.000,00    | Rp 6.000,00     |
| Jumlah Harga Bahan                                                                                     |                                                        |      |        |             |                 | Rp 63.050,00    |
| C                                                                                                      | Peralatan                                              |      |        |             |                 |                 |
| Jumlah Harga Alat                                                                                      |                                                        |      |        |             |                 |                 |
| D                                                                                                      | Jumlah Harga Tenaga Kerja, Bahan dan Peralatan (A+B+C) |      |        |             |                 | Rp 153.570,00   |
| E                                                                                                      | Biaya Umum dan Keuntungan (10% - 15%) x D              |      |        |             | 15% x D         | Rp 23.035,50    |
| F                                                                                                      | Harga Satuan Pekerjaan (D+E)                           |      |        |             |                 | Rp 176.605,50   |
| 3.5.3.3a Pemasangan 1 m2 rangka langit - langit (plafon) 50x100 cm kayu kelas II atau kelas III        |                                                        |      |        |             |                 |                 |
|                                                                                                        | Uraian                                                 | Kode | Satuan | Koefisien   | HargaSatuan(Rp) | JumlahHarga(Rp) |
| A                                                                                                      | Tenaga Kerja                                           |      |        |             |                 |                 |
|                                                                                                        | Pekerja                                                | L.01 | OH     | 0,150       | Rp 178.000,00   | Rp 26.700,00    |
|                                                                                                        | Tukang Kayu                                            | L.02 | OH     | 0,300       | Rp 183.000,00   | Rp 54.900,00    |
|                                                                                                        | Kepala Tukang                                          | L.03 | OH     | 0,030       | Rp 210.000,00   | Rp 6.300,00     |
|                                                                                                        | Mandor                                                 | L.04 | OH     | 0,0100      | Rp 262.000,00   | Rp 2.620,00     |
| Jumlah Harga Tenaga Kerja                                                                              |                                                        |      |        |             |                 | Rp 90.520,00    |
| B                                                                                                      | Bahan                                                  |      |        |             |                 |                 |
|                                                                                                        | Kayu Kaso 5x7 cm kayu kelas I/I (hutan)                |      | m3     | 0,016       | Rp 2.725.000,00 | Rp 44.417,50    |
|                                                                                                        | Paku 7-10 cm                                           |      | kg     | 0,250       | Rp 24.000,00    | Rp 6.000,00     |
| Jumlah Harga Bahan                                                                                     |                                                        |      |        |             |                 | Rp 50.417,50    |
| C                                                                                                      | Peralatan                                              |      |        |             |                 |                 |
| Jumlah Harga Alat                                                                                      |                                                        |      |        |             |                 |                 |
| D                                                                                                      | Jumlah Harga Tenaga Kerja, Bahan dan Peralatan (A+B+C) |      |        |             |                 | Rp 140.937,50   |
| E                                                                                                      | Biaya Umum dan Keuntungan (10% - 15%) x D              |      |        |             | 15% x D         | Rp 21.140,63    |
| F                                                                                                      | Harga Satuan Pekerjaan (D+E)                           |      |        |             |                 | Rp 162.078,13   |

|                                                                                                                         |                                                        |      |        |           |                 |                 |
|-------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------|------|--------|-----------|-----------------|-----------------|
| 3.5.3.4 Pemasangan 1 m2 rangka langit - langit (plafon) 60x60 cm kayu kelas II atau kelas III                           |                                                        |      |        |           |                 |                 |
|                                                                                                                         | Uraian                                                 | Kode | Satuan | Koefisien | HargaSatuan(Rp) | JumlahHarga(Rp) |
| A                                                                                                                       | Tenaga Kerja                                           |      |        |           |                 |                 |
|                                                                                                                         | Pekerja                                                | L.01 | OH     | 0,200     | Rp 178.000,00   | Rp 35.600,00    |
|                                                                                                                         | Tukang Kayu                                            | L.02 | OH     | 0,300     | Rp 183.000,00   | Rp 54.900,00    |
|                                                                                                                         | Kepala Tukang                                          | L.03 | OH     | 0,030     | Rp 210.000,00   | Rp 6.300,00     |
|                                                                                                                         | Mandor                                                 | L.04 | OH     | 0,0100    | Rp 262.000,00   | Rp 2.620,00     |
| Jumlah Harga Tenaga Kerja                                                                                               |                                                        |      |        |           |                 | Rp 99.420,00    |
| B                                                                                                                       | Bahan                                                  |      |        |           |                 |                 |
|                                                                                                                         | Kayu Kaso 5x7 cm kayu kelas II (lanan)                 |      | m3     | 0,0163    | Rp 3.500.000,00 | Rp 57.050,00    |
|                                                                                                                         | Paku 7-10 cm                                           |      | kg     | 0,250     | Rp 24.000,00    | Rp 6.000,00     |
| Jumlah Harga Bahan                                                                                                      |                                                        |      |        |           |                 | Rp 63.050,00    |
| C                                                                                                                       | Peralatan                                              |      |        |           |                 |                 |
| Jumlah Harga Alat                                                                                                       |                                                        |      |        |           |                 |                 |
| D                                                                                                                       | Jumlah Harga Tenaga Kerja, Bahan dan Peralatan (A+B+C) |      |        |           |                 | Rp 162.470,00   |
| E                                                                                                                       | Biaya Umum dan Keuntungan (10% - 15%) x D              |      |        |           | 15% x D         | Rp 24.370,50    |
| F                                                                                                                       | Harga Satuan Pekerjaan (D+E)                           |      |        |           |                 | Rp 186.840,50   |
| 3.5.3.4a Pemasangan 1 m2 rangka langit - langit (plafon) 60x60 cm kayu kelas II atau kelas III                          |                                                        |      |        |           |                 |                 |
|                                                                                                                         | Uraian                                                 | Kode | Satuan | Koefisien | HargaSatuan(Rp) | JumlahHarga(Rp) |
| A                                                                                                                       | Tenaga Kerja                                           |      |        |           |                 |                 |
|                                                                                                                         | Pekerja                                                | L.01 | OH     | 0,200     | Rp 178.000,00   | Rp 35.600,00    |
|                                                                                                                         | Tukang Kayu                                            | L.02 | OH     | 0,300     | Rp 183.000,00   | Rp 54.900,00    |
|                                                                                                                         | Kepala Tukang                                          | L.03 | OH     | 0,030     | Rp 210.000,00   | Rp 6.300,00     |
|                                                                                                                         | Mandor                                                 | L.04 | OH     | 0,0100    | Rp 262.000,00   | Rp 2.620,00     |
| Jumlah Harga Tenaga Kerja                                                                                               |                                                        |      |        |           |                 | Rp 99.420,00    |
| B                                                                                                                       | Bahan                                                  |      |        |           |                 |                 |
|                                                                                                                         | Kayu Kaso 5x7 cm kayu kelas III (hutan)                |      | m3     | 0,0163    | Rp 2.725.000,00 | Rp 44.417,50    |
|                                                                                                                         | Paku 7-10 cm                                           |      | kg     | 0,250     | Rp 24.000,00    | Rp 6.000,00     |
| Jumlah Harga Bahan                                                                                                      |                                                        |      |        |           |                 | Rp 50.417,50    |
| C                                                                                                                       | Peralatan                                              |      |        |           |                 |                 |
| Jumlah Harga Alat                                                                                                       |                                                        |      |        |           |                 |                 |
| D                                                                                                                       | Jumlah Harga Tenaga Kerja, Bahan dan Peralatan (A+B+C) |      |        |           |                 | Rp 149.837,50   |
| E                                                                                                                       | Biaya Umum dan Keuntungan (10% - 15%) x D              |      |        |           | 15% x D         | Rp 22.475,63    |
| F                                                                                                                       | Harga Satuan Pekerjaan (D+E)                           |      |        |           |                 | Rp 172.313,13   |
| PEKERJAAN PASANGAN DINDING                                                                                              |                                                        |      |        |           |                 |                 |
| 3.6.1.3 Pemasangan 1 m2 dinding bata merah tebal 1 bata dengan mortar tipe N, Fc' 5 Mpa ( setara campuran 1 SP : 4 PP ) |                                                        |      |        |           |                 |                 |
|                                                                                                                         | Uraian                                                 | Kode | Satuan | Koefisien | HargaSatuan(Rp) | JumlahHarga(Rp) |
| A                                                                                                                       | Tenaga Kerja                                           |      |        |           |                 |                 |
|                                                                                                                         | Pekerja                                                | L.01 | OH     | 0,400     | Rp 178.000,00   | Rp 71.200,00    |
|                                                                                                                         | Tukang Batu                                            | L.02 | OH     | 0,200     | Rp 183.000,00   | Rp 36.600,00    |
|                                                                                                                         | Kepala Tukang                                          | L.03 | OH     | 0,020     | Rp 210.000,00   | Rp 4.200,00     |
|                                                                                                                         | Mandor                                                 | L.04 | OH     | 0,0067    | Rp 262.000,00   | Rp 1.755,40     |
| Jumlah Harga Tenaga Kerja                                                                                               |                                                        |      |        |           |                 | Rp 113.755,40   |
| B                                                                                                                       | Bahan                                                  |      |        |           |                 |                 |
|                                                                                                                         | Bata merah                                             |      | Buah   | 144       | Rp 1.500,00     | Rp 216.000,00   |
|                                                                                                                         | Semen portland                                         |      | kg     | 27        | Rp 1.540,00     | Rp 41.580,00    |
|                                                                                                                         | Pasir pasang                                           |      | m3     | 0,093     | Rp 330.000,00   | Rp 30.690,00    |
| Jumlah Harga Bahan                                                                                                      |                                                        |      |        |           |                 | Rp 288.270,00   |
| C                                                                                                                       | Peralatan                                              |      |        |           |                 |                 |
| Jumlah Harga Alat                                                                                                       |                                                        |      |        |           |                 |                 |
| D                                                                                                                       | Jumlah Harga Tenaga Kerja, Bahan dan Peralatan (A+B+C) |      |        |           |                 | Rp 402.025,40   |
| E                                                                                                                       | Biaya Umum dan Keuntungan (10% - 15%) x D              |      |        |           | 15% x D         | Rp 60.303,81    |
| F                                                                                                                       | Harga Satuan Pekerjaan (D+E)                           |      |        |           |                 | Rp 462.329,21   |

|                                                                                                                           |                                                        |      |        |           |                 |                 |
|---------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------|------|--------|-----------|-----------------|-----------------|
| 3.6.1.4 Pemasangan 1 m2 dinding bata merah tebal 1 bata dengan mortar tipe O, Fc' 2,4 Mpa ( setara campuran 1 SP : 5 PP ) |                                                        |      |        |           |                 |                 |
|                                                                                                                           | Uraian                                                 | Kode | Satuan | Koefisien | HargaSatuan(Rp) | JumlahHarga(Rp) |
| A                                                                                                                         | Tenaga Kerja                                           |      |        |           |                 |                 |
|                                                                                                                           | Pekerja                                                | L.01 | OH     | 0,400     | Rp 178.000,00   | Rp 71.200,00    |
|                                                                                                                           | Tukang Batu                                            | L.02 | OH     | 0,200     | Rp 183.000,00   | Rp 36.600,00    |
|                                                                                                                           | Kepala Tukang                                          | L.03 | OH     | 0,020     | Rp 210.000,00   | Rp 4.200,00     |
|                                                                                                                           | Mandor                                                 | L.04 | OH     | 0,0067    | Rp 262.000,00   | Rp 1.755,40     |
| Jumlah Harga Tenaga Kerja                                                                                                 |                                                        |      |        |           |                 | Rp 113.755,40   |
| B                                                                                                                         | Bahan                                                  |      |        |           |                 |                 |
|                                                                                                                           | Bata merah                                             |      | Buah   | 144       | Rp 1.500,00     | Rp 216.000,00   |
|                                                                                                                           | Semen portland                                         |      | kg     | 22,200    | Rp 1.540,00     | Rp 34.188,00    |
|                                                                                                                           | Pasir pasang                                           |      | m3     | 0,102     | Rp 330.000,00   | Rp 33.660,00    |
| Jumlah Harga Bahan                                                                                                        |                                                        |      |        |           |                 | Rp 283.848,00   |
| C                                                                                                                         | Peralatan                                              |      |        |           |                 |                 |
| Jumlah Harga Alat                                                                                                         |                                                        |      |        |           |                 |                 |
| D                                                                                                                         | Jumlah Harga Tenaga Kerja, Bahan dan Peralatan (A+B+C) |      |        |           |                 | Rp 397.603,40   |
| E                                                                                                                         | Biaya Umum dan Keuntungan (10% - 15%) x D              |      |        |           | 15% x D         | Rp 59.640,51    |
| F                                                                                                                         | Harga Satuan Pekerjaan (D+E)                           |      |        |           |                 | Rp 457.243,91   |
| 3.6.1.8 Pemasangan 1 m2 dinding bata merah tebal 1/2 bata dengan mortar tipe N, Fc' 5 Mpa ( setara campuran 1 SP : 4 PP ) |                                                        |      |        |           |                 |                 |
|                                                                                                                           | Uraian                                                 | Kode | Satuan | Koefisien | HargaSatuan(Rp) | JumlahHarga(Rp) |
| A                                                                                                                         | Tenaga Kerja                                           |      |        |           |                 |                 |
|                                                                                                                           | Pekerja                                                | L.01 | OH     | 0,200     | Rp 178.000,00   | Rp 35.600,00    |
|                                                                                                                           | Tukang Batu                                            | L.02 | OH     | 0,100     | Rp 183.000,00   | Rp 18.300,00    |
|                                                                                                                           | Kepala Tukang                                          | L.03 | OH     | 0,010     | Rp 210.000,00   | Rp 2.100,00     |
|                                                                                                                           | Mandor                                                 | L.04 | OH     | 0,0033    | Rp 262.000,00   | Rp 864,60       |
| Jumlah Harga Tenaga Kerja                                                                                                 |                                                        |      |        |           |                 | Rp 56.864,60    |
| B                                                                                                                         | Bahan                                                  |      |        |           |                 |                 |
|                                                                                                                           | Bata merah                                             |      | Buah   | 72        | Rp 1.500,00     | Rp 107.865,00   |
|                                                                                                                           | Semen portland                                         |      | kg     | 11,5      | Rp 1.540,00     | Rp 17.710,00    |
|                                                                                                                           | Pasir pasang                                           |      | m3     | 0,043     | Rp 330.000,00   | Rp 14.190,00    |
| Jumlah Harga Bahan                                                                                                        |                                                        |      |        |           |                 | Rp 139.765,00   |
| C                                                                                                                         | Peralatan                                              |      |        |           |                 |                 |
| Jumlah Harga Alat                                                                                                         |                                                        |      |        |           |                 |                 |
| D                                                                                                                         | Jumlah Harga Tenaga Kerja, Bahan dan Peralatan (A+B+C) |      |        |           |                 | Rp 196.629,60   |
| E                                                                                                                         | Biaya Umum dan Keuntungan (10% - 15%) x D              |      |        |           | 15% x D         | Rp 29.494,44    |
| F                                                                                                                         | Harga Satuan Pekerjaan (D+E)                           |      |        |           |                 | Rp 226.124,04   |
| 3.6.1.9 Pemasangan 1 m2 dinding bata merah tebal 1/2 bata dengan mortar tipe O, Fc' 2,4 Mpa(setara campuran 1 SP : 5 PP)  |                                                        |      |        |           |                 |                 |
|                                                                                                                           | Uraian                                                 | Kode | Satuan | Koefisien | HargaSatuan(Rp) | JumlahHarga(Rp) |
| A                                                                                                                         | Tenaga Kerja                                           |      |        |           |                 |                 |
|                                                                                                                           | Pekerja                                                | L.01 | OH     | 0,200     | Rp 178.000,00   | Rp 35.600,00    |
|                                                                                                                           | Tukang Batu                                            | L.02 | OH     | 0,100     | Rp 183.000,00   | Rp 18.300,00    |
|                                                                                                                           | Kepala Tukang                                          | L.03 | OH     | 0,010     | Rp 210.000,00   | Rp 2.100,00     |
|                                                                                                                           | Mandor                                                 | L.04 | OH     | 0,0033    | Rp 262.000,00   | Rp 864,60       |
| Jumlah Harga Tenaga Kerja                                                                                                 |                                                        |      |        |           |                 | Rp 56.864,60    |
| B                                                                                                                         | Bahan                                                  |      |        |           |                 |                 |
|                                                                                                                           | Bata merah                                             |      | Buah   | 72        | Rp 1.500,00     | Rp 107.865,00   |
|                                                                                                                           | Semen portland                                         |      | kg     | 9,68      | Rp 1.540,00     | Rp 14.907,20    |
|                                                                                                                           | Pasir pasang                                           |      | m3     | 0,045     | Rp 330.000,00   | Rp 14.850,00    |
| Jumlah Harga Bahan                                                                                                        |                                                        |      |        |           |                 | Rp 137.622,20   |
| C                                                                                                                         | Peralatan                                              |      |        |           |                 |                 |
| Jumlah Harga Alat                                                                                                         |                                                        |      |        |           |                 |                 |
| D                                                                                                                         | Jumlah Harga Tenaga Kerja, Bahan dan Peralatan (A+B+C) |      |        |           |                 | Rp 194.486,80   |
| E                                                                                                                         | Biaya Umum dan Keuntungan (10% - 15%) x D              |      |        |           | 15% x D         | Rp 29.173,02    |
| F                                                                                                                         | Harga Satuan Pekerjaan (D+E)                           |      |        |           |                 | Rp 223.659,82   |

|                                                                                                                         |                                                        |      |        |           |                 |                 |
|-------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------|------|--------|-----------|-----------------|-----------------|
| 3.6.2.6 Pemasangan 1 m2 dinding conblock HB10 dengan mortar tipe N, Fc' 5 Mpa ( setara campuran 1 SP : 4 PP )           |                                                        |      |        |           |                 |                 |
|                                                                                                                         | Uraian                                                 | Kode | Satuan | Koefisien | HargaSatuan(Rp) | JumlahHarga(Rp) |
| A                                                                                                                       | Tenaga Kerja                                           |      |        |           |                 |                 |
|                                                                                                                         | Pekerja                                                | L.01 | OH     | 0,1667    | Rp 178.000,00   | Rp 29.672,60    |
|                                                                                                                         | Tukang Batu                                            | L.02 | OH     | 0,0833    | Rp 183.000,00   | Rp 15.243,90    |
|                                                                                                                         | Kepala Tukang                                          | L.03 | OH     | 0,0083    | Rp 210.000,00   | Rp 1.743,00     |
|                                                                                                                         | Mandor                                                 | L.04 | OH     | 0,0028    | Rp 262.000,00   | Rp 733,60       |
| Jumlah Harga Tenaga Kerja                                                                                               |                                                        |      |        |           |                 | Rp 47.393,10    |
| B                                                                                                                       | Bahan                                                  |      |        |           |                 |                 |
|                                                                                                                         | Conblock HB 10 (10x20x60)                              |      | Buah   | 12,50     | Rp 13.300,00    | Rp 166.250,00   |
|                                                                                                                         | Semen portland                                         |      | kg     | 12,13     | Rp 1.540,00     | Rp 18.680,20    |
|                                                                                                                         | Pasir pasang                                           |      | m3     | 0,2       | Rp 330.000,00   | Rp 60.060,00    |
|                                                                                                                         | Besi angkur Diameter 8                                 |      | kg     | 0,280     | Rp -            | Rp -            |
| Jumlah Harga Bahan                                                                                                      |                                                        |      |        |           |                 | Rp 244.990,20   |
| C                                                                                                                       | Peralatan                                              |      |        |           |                 |                 |
| Jumlah Harga Alat                                                                                                       |                                                        |      |        |           |                 |                 |
| D                                                                                                                       | Jumlah Harga Tenaga Kerja, Bahan dan Peralatan (A+B+C) |      |        |           |                 | Rp 292.383,30   |
| E                                                                                                                       | Biaya Umum dan Keuntungan (10% - 15%) x D              |      |        |           | 15% x D         | Rp 43.857,50    |
| F                                                                                                                       | Harga Satuan Pekerjaan (D+E)                           |      |        |           |                 | Rp 336.240,80   |
| 3.6.2.6a Pemasangan 1 m2 dinding conblock HB10 dengan mortar tipe N, Fc' 5 Mpa ( setara campuran 1 SP : 4 PP )          |                                                        |      |        |           |                 |                 |
|                                                                                                                         | Uraian                                                 | Kode | Satuan | Koefisien | HargaSatuan(Rp) | JumlahHarga(Rp) |
| A                                                                                                                       | Tenaga Kerja                                           |      |        |           |                 |                 |
|                                                                                                                         | Pekerja                                                | L.01 | OH     | 0,1667    | Rp 178.000,00   | Rp 29.672,60    |
|                                                                                                                         | Tukang Batu                                            | L.02 | OH     | 0,0833    | Rp 183.000,00   | Rp 15.243,90    |
|                                                                                                                         | Kepala Tukang                                          | L.03 | OH     | 0,0083    | Rp 210.000,00   | Rp 1.743,00     |
|                                                                                                                         | Mandor                                                 | L.04 | OH     | 0,0028    | Rp 262.000,00   | Rp 733,60       |
| Jumlah Harga Tenaga Kerja                                                                                               |                                                        |      |        |           |                 | Rp 47.393,10    |
| B                                                                                                                       | Bahan                                                  |      |        |           |                 |                 |
|                                                                                                                         | Batako                                                 |      | Buah   | 12,50     | Rp 3.200,00     | Rp 40.000,00    |
|                                                                                                                         | Semen portland                                         |      | kg     | 12,13     | Rp 1.540,00     | Rp 18.680,20    |
|                                                                                                                         | Pasir pasang                                           |      | m3     | 0,18      | Rp 330.000,00   | Rp 60.060,00    |
|                                                                                                                         | Besi angkur Diameter 8                                 |      | kg     | 0,28      | Rp -            | Rp -            |
| Jumlah Harga Bahan                                                                                                      |                                                        |      |        |           |                 | Rp 118.740,20   |
| C                                                                                                                       | Peralatan                                              |      |        |           |                 |                 |
| Jumlah Harga Alat                                                                                                       |                                                        |      |        |           |                 |                 |
| D                                                                                                                       | Jumlah Harga Tenaga Kerja, Bahan dan Peralatan (A+B+C) |      |        |           |                 | Rp 166.133,30   |
| E                                                                                                                       | Biaya Umum dan Keuntungan (10% - 15%) x D              |      |        |           | 15% x D         | Rp 24.920,00    |
| F                                                                                                                       | Harga Satuan Pekerjaan (D+E)                           |      |        |           |                 | Rp 191.053,30   |
| 3.6.3.2 Pemasangan 1 m2 dinding kerawang(rooster) 12x11x24 dengan mortar tipe N, Fc' 5 Mpa(setara campuran 1 SP : 4 PP) |                                                        |      |        |           |                 |                 |
|                                                                                                                         | Uraian                                                 | Kode | Satuan | Koefisien | HargaSatuan(Rp) | JumlahHarga(Rp) |
| A                                                                                                                       | Tenaga Kerja                                           |      |        |           |                 |                 |
|                                                                                                                         | Pekerja                                                | L.01 | OH     | 0,2000    | Rp 178.000,00   | Rp 35.600,00    |
|                                                                                                                         | Tukang Batu                                            | L.02 | OH     | 0,1000    | Rp 183.000,00   | Rp 18.300,00    |
|                                                                                                                         | Kepala Tukang                                          | L.03 | OH     | 0,0100    | Rp 210.000,00   | Rp 2.100,00     |
|                                                                                                                         | Mandor                                                 | L.04 | OH     | 0,0033    | Rp 262.000,00   | Rp 864,60       |
| Jumlah Harga Tenaga Kerja                                                                                               |                                                        |      |        |           |                 | Rp 56.864,60    |
| B                                                                                                                       | Bahan                                                  |      |        |           |                 |                 |
|                                                                                                                         | Bata rooster                                           |      | Buah   | 36,46     | Rp 18.000,00    | Rp 656.280,00   |
|                                                                                                                         | Semen portland                                         |      | kg     | 11,00     | Rp 1.540,00     | Rp 16.940,00    |
|                                                                                                                         | Pasir pasang                                           |      | m3     | 0,035     | Rp 330.000,00   | Rp 11.550,00    |
| Jumlah Harga Bahan                                                                                                      |                                                        |      |        |           |                 | Rp 684.770,00   |
| C                                                                                                                       | Peralatan                                              |      |        |           |                 |                 |
| Jumlah Harga Alat                                                                                                       |                                                        |      |        |           |                 |                 |
| D                                                                                                                       | Jumlah Harga Tenaga Kerja, Bahan dan Peralatan (A+B+C) |      |        |           |                 | Rp 741.634,60   |
| E                                                                                                                       | Biaya Umum dan Keuntungan (10% - 15%) x D              |      |        |           | 15% x D         | Rp 111.245,19   |
| F                                                                                                                       | Harga Satuan Pekerjaan (D+E)                           |      |        |           |                 | Rp 852.879,79   |

|                                                                                                                      |                                                        |      |        |           |                 |                 |
|----------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------|------|--------|-----------|-----------------|-----------------|
| 3.6.3.2A Pemasangan 1 m2 dinding kerawang(rooster)20x20 dengan mortar tipe N, Fc' 5 Mpa(setara campuran 1 SP : 4 PP) |                                                        |      |        |           |                 |                 |
|                                                                                                                      | Uraian                                                 | Kode | Satuan | Koefisien | HargaSatuan(Rp) | JumlahHarga(Rp) |
| A                                                                                                                    | Tenaga Kerja                                           |      |        |           |                 |                 |
|                                                                                                                      | Pekerja                                                | L.01 | OH     | 0,2000    | Rp 178.000,00   | Rp 35.600,00    |
|                                                                                                                      | Tukang Batu                                            | L.02 | OH     | 0,1000    | Rp 183.000,00   | Rp 18.300,00    |
|                                                                                                                      | Kepala Tukang                                          | L.03 | OH     | 0,0100    | Rp 210.000,00   | Rp 2.100,00     |
|                                                                                                                      | Mandor                                                 | L.04 | OH     | 0,0033    | Rp 262.000,00   | Rp 864,60       |
| Jumlah Harga Tenaga Kerja                                                                                            |                                                        |      |        |           |                 | Rp 56.864,60    |
| B                                                                                                                    | Bahan                                                  |      |        |           |                 |                 |
|                                                                                                                      | Bata rooster                                           |      | Buah   | 26,25     | Rp 18.000,00    | Rp 472.500,00   |
|                                                                                                                      | Semen portland                                         |      | kg     | 11,00     | Rp 1.540,00     | Rp 16.940,00    |
|                                                                                                                      | Pasir pasang                                           |      | m3     | 0,035     | Rp 330.000,00   | Rp 11.550,00    |
| Jumlah Harga Bahan                                                                                                   |                                                        |      |        |           |                 | Rp 500.990,00   |
| C                                                                                                                    | Peralatan                                              |      |        |           |                 |                 |
| Jumlah Harga Alat                                                                                                    |                                                        |      |        |           |                 |                 |
| D                                                                                                                    | Jumlah Harga Tenaga Kerja, Bahan dan Peralatan (A+B+C) |      |        |           |                 | Rp 557.854,60   |
| E                                                                                                                    | Biaya Umum dan Keuntungan (10% - 15%) x D              |      |        |           | 15% x D         | Rp 83.678,19    |
| F                                                                                                                    | Harga Satuan Pekerjaan (D+E)                           |      |        |           |                 | Rp 641.532,79   |
| 3.6.3.4 Pemasangan 1 m2 dinding glassblock 20x20                                                                     |                                                        |      |        |           |                 |                 |
|                                                                                                                      | Uraian                                                 | Kode | Satuan | Koefisien | HargaSatuan(Rp) | JumlahHarga(Rp) |
| A                                                                                                                    | Tenaga Kerja                                           |      |        |           |                 |                 |
|                                                                                                                      | Pekerja                                                | L.01 | OH     | 0,2000    | Rp 178.000,00   | Rp 35.600,00    |
|                                                                                                                      | Tukang Batu                                            | L.02 | OH     | 0,1000    | Rp 183.000,00   | Rp 18.300,00    |
|                                                                                                                      | Kepala Tukang                                          | L.03 | OH     | 0,0100    | Rp 210.000,00   | Rp 2.100,00     |
|                                                                                                                      | Mandor                                                 | L.04 | OH     | 0,0033    | Rp 262.000,00   | Rp 864,60       |
| Jumlah Harga Tenaga Kerja                                                                                            |                                                        |      |        |           |                 | Rp 56.864,60    |
| B                                                                                                                    | Bahan                                                  |      |        |           |                 |                 |
|                                                                                                                      | Glassblock                                             |      | Buah   | 26,25     | Rp 29.400,00    | Rp 771.750,00   |
|                                                                                                                      | Semen portland                                         |      | kg     | 14,00     | Rp 1.540,00     | Rp 21.560,00    |
|                                                                                                                      | Pasir pasang                                           |      | m3     | 0,032     | Rp 330.000,00   | Rp 10.560,00    |
| Jumlah Harga Bahan                                                                                                   |                                                        |      |        |           |                 | Rp 803.870,00   |
| C                                                                                                                    | Peralatan                                              |      |        |           |                 |                 |
| Jumlah Harga Alat                                                                                                    |                                                        |      |        |           |                 |                 |
| D                                                                                                                    | Jumlah Harga Tenaga Kerja, Bahan dan Peralatan (A+B+C) |      |        |           |                 | Rp 860.734,60   |
| E                                                                                                                    | Biaya Umum dan Keuntungan (10% - 15%) x D              |      |        |           | 15% x D         | Rp 129.110,19   |
| F                                                                                                                    | Harga Satuan Pekerjaan (D+E)                           |      |        |           |                 | Rp 989.844,79   |
| 3.6.4.2 Pemasangan 1 m2 dinding bata ringan Tebal 10 cm dengan mortar siap pakai                                     |                                                        |      |        |           |                 |                 |
|                                                                                                                      | Uraian                                                 | Kode | Satuan | Koefisien | HargaSatuan(Rp) | JumlahHarga(Rp) |
| A                                                                                                                    | Tenaga Kerja                                           |      |        |           |                 |                 |
|                                                                                                                      | Pekerja                                                | L.01 | OH     | 0,1677    | Rp 178.000,00   | Rp 29.850,60    |
|                                                                                                                      | Tukang Batu                                            | L.02 | OH     | 0,0833    | Rp 183.000,00   | Rp 15.243,90    |
|                                                                                                                      | Kepala Tukang                                          | L.03 | OH     | 0,0083    | Rp 210.000,00   | Rp 1.743,00     |
|                                                                                                                      | Mandor                                                 | L.04 | OH     | 0,0028    | Rp 262.000,00   | Rp 733,60       |
| Jumlah Harga Tenaga Kerja                                                                                            |                                                        |      |        |           |                 | Rp 47.571,10    |
| B                                                                                                                    | Bahan                                                  |      |        |           |                 |                 |
|                                                                                                                      | Bata Ringan Tebal 10 cm                                |      | Buah   | 8,75      | Rp 13.300,00    | Rp 116.375,00   |
|                                                                                                                      | Mortar perekat bata ringan                             |      | kg     | 3,429     | Rp 2.250,00     | Rp 7.715,25     |
| Jumlah Harga Bahan                                                                                                   |                                                        |      |        |           |                 | Rp 124.090,25   |
| C                                                                                                                    | Peralatan                                              |      |        |           |                 |                 |
| Jumlah Harga Alat                                                                                                    |                                                        |      |        |           |                 |                 |
| D                                                                                                                    | Jumlah Harga Tenaga Kerja, Bahan dan Peralatan (A+B+C) |      |        |           |                 | Rp 171.661,35   |
| E                                                                                                                    | Biaya Umum dan Keuntungan (10% - 15%) x D              |      |        |           | 15% x D         | Rp 25.749,20    |
| F                                                                                                                    | Harga Satuan Pekerjaan (D+E)                           |      |        |           |                 | Rp 197.410,55   |

| PEKERJAAN PLESTERAN DAN ACIAN |                                                           |      |        |           |                 |                 |
|-------------------------------|-----------------------------------------------------------|------|--------|-----------|-----------------|-----------------|
| 3.7.3                         | Pemasangan 1 m2 plesteran campuran 1 SP : 3 PP tebal 15mm |      |        |           |                 |                 |
|                               | Uraian                                                    | Kode | Satuan | Koefisien | HargaSatuan(Rp) | JumlahHarga(Rp) |
| A                             | Tenaga Kerja                                              |      |        |           |                 |                 |
|                               | Pekerja                                                   | L.01 | OH     | 0,200     | Rp 178.000,00   | Rp 35.600,00    |
|                               | Tukang Batu                                               | L.02 | OH     | 0,100     | Rp 183.000,00   | Rp 18.300,00    |
|                               | Kepala Tukang                                             | L.03 | OH     | 0,010     | Rp 210.000,00   | Rp 2.100,00     |
|                               | Mandor                                                    | L.04 | OH     | 0,0033    | Rp 262.000,00   | Rp 864,60       |
| Jumlah Harga Tenaga Kerja     |                                                           |      |        |           |                 | Rp 56.864,60    |
| B                             | Bahan                                                     |      |        |           |                 |                 |
|                               | Semen portland                                            |      | kg     | 7,776     | Rp 1.540,00     | Rp 11.975,04    |
|                               | Pasir pasang                                              |      | m3     | 0,023     | Rp 330.000,00   | Rp 7.590,00     |
| Jumlah Harga Bahan            |                                                           |      |        |           |                 | Rp 19.565,04    |
| C                             | Peralatan                                                 |      |        |           |                 |                 |
| Jumlah Harga Alat             |                                                           |      |        |           |                 |                 |
| D                             | Jumlah Harga Tenaga Kerja, Bahan dan Peralatan (A+B+C)    |      |        |           |                 | Rp 76.429,64    |
| E                             | Biaya Umum dan Keuntungan (10% - 15%) x D                 |      |        |           | 15% x D         | Rp 11.464,45    |
| F                             | Harga Satuan Pekerjaan (D+E)                              |      |        |           |                 | Rp 87.894,09    |
| 3.7.4                         | Pemasangan 1 m2 plesteran campuran 1 SP : 4 PP tebal 15mm |      |        |           |                 |                 |
|                               | Uraian                                                    | Kode | Satuan | Koefisien | HargaSatuan(Rp) | JumlahHarga(Rp) |
| A                             | Tenaga Kerja                                              |      |        |           |                 |                 |
|                               | Pekerja                                                   | L.01 | OH     | 0,200     | Rp 178.000,00   | Rp 35.600,00    |
|                               | Tukang Batu                                               | L.02 | OH     | 0,100     | Rp 183.000,00   | Rp 18.300,00    |
|                               | Kepala Tukang                                             | L.03 | OH     | 0,010     | Rp 210.000,00   | Rp 2.100,00     |
|                               | Mandor                                                    | L.04 | OH     | 0,0033    | Rp 262.000,00   | Rp 864,60       |
| Jumlah Harga Tenaga Kerja     |                                                           |      |        |           |                 | Rp 56.864,60    |
| B                             | Bahan                                                     |      |        |           |                 |                 |
|                               | Semen portland                                            |      | kg     | 6,24      | Rp 1.540,00     | Rp 9.609,60     |
|                               | Pasir pasang                                              |      | m3     | 0,024     | Rp 330.000,00   | Rp 7.920,00     |
| Jumlah Harga Bahan            |                                                           |      |        |           |                 | Rp 17.529,60    |
| C                             | Peralatan                                                 |      |        |           |                 |                 |
| Jumlah Harga Alat             |                                                           |      |        |           |                 |                 |
| D                             | Jumlah Harga Tenaga Kerja, Bahan dan Peralatan (A+B+C)    |      |        |           |                 | Rp 74.394,20    |
| E                             | Biaya Umum dan Keuntungan (10% - 15%) x D                 |      |        |           | 15% x D         | Rp 11.159,13    |
| F                             | Harga Satuan Pekerjaan (D+E)                              |      |        |           |                 | Rp 85.553,33    |
| 3.7.8                         | Pemasangan 1 m2 acian                                     |      |        |           |                 |                 |
|                               | Uraian                                                    | Kode | Satuan | Koefisien | HargaSatuan(Rp) | JumlahHarga(Rp) |
| A                             | Tenaga Kerja                                              |      |        |           |                 |                 |
|                               | Pekerja                                                   | L.01 | OH     | 0,200     | Rp 178.000,00   | Rp 35.600,00    |
|                               | Tukang Batu                                               | L.02 | OH     | 0,100     | Rp 183.000,00   | Rp 18.300,00    |
|                               | Kepala Tukang                                             | L.03 | OH     | 0,010     | Rp 210.000,00   | Rp 2.100,00     |
|                               | Mandor                                                    | L.04 | OH     | 0,0033    | Rp 262.000,00   | Rp 864,60       |
| Jumlah Harga Tenaga Kerja     |                                                           |      |        |           |                 | Rp 56.864,60    |
| B                             | Bahan                                                     |      |        |           |                 |                 |
|                               | Semen portland                                            |      | kg     | 3,250     | Rp 1.540,00     | Rp 5.005,00     |
| Jumlah Harga Bahan            |                                                           |      |        |           |                 | Rp 5.005,00     |
| C                             | Peralatan                                                 |      |        |           |                 |                 |
| Jumlah Harga Alat             |                                                           |      |        |           |                 |                 |
| D                             | Jumlah Harga Tenaga Kerja, Bahan dan Peralatan (A+B+C)    |      |        |           |                 | Rp 61.869,60    |
| E                             | Biaya Umum dan Keuntungan (10% - 15%) x D                 |      |        |           | 15% x D         | Rp 9.280,44     |
| F                             | Harga Satuan Pekerjaan (D+E)                              |      |        |           |                 | Rp 71.150,04    |

| PEKERJAANPENGECATAN DAN PELITURAN |                                                              |      |        |           |                 |                 |
|-----------------------------------|--------------------------------------------------------------|------|--------|-----------|-----------------|-----------------|
| 3.8.1                             | Pengikisan / pengerokan 1 m2 permukaan cat lama (cat minyak) |      |        |           |                 |                 |
|                                   | Uraian                                                       | Kode | Satuan | Koefisien | HargaSatuan(Rp) | JumlahHarga(Rp) |
| A                                 | Tenaga Kerja                                                 |      |        |           |                 |                 |
|                                   | Pekerja                                                      | L.01 | OH     | 0,150     | Rp 178.000,00   | Rp 26.700,00    |
|                                   | Mandor                                                       | L.04 | OH     | 0,0075    | Rp 262.000,00   | Rp 1.965,00     |
| Jumlah Harga Tenaga Kerja         |                                                              |      |        |           |                 | Rp 28.665,00    |
| B                                 | Bahan                                                        |      |        |           |                 |                 |
|                                   | Soda api                                                     |      | kg     | 0,050     | Rp 12.000,00    | Rp 600,00       |
| Jumlah Harga Bahan                |                                                              |      |        |           |                 | Rp 600,00       |
| C                                 | Peralatan                                                    |      |        |           |                 |                 |
| Jumlah Harga Alat                 |                                                              |      |        |           |                 |                 |
| D                                 | Jumlah Harga Tenaga Kerja, Bahan dan Peralatan (A+B+C)       |      |        |           |                 | Rp 29.265,00    |
| E                                 | Biaya Umum dan Keuntungan (10% - 15%) x D                    |      |        |           | 15% x D         | Rp 4.389,75     |
| F                                 | Harga Satuan Pekerjaan (D+E)                                 |      |        |           |                 | Rp 33.654,75    |

| 3.8.2 Pencucian m2 bidang permukaan tembok yang pernah di cat                            |                                                        |      |        |           |                 |                 |
|------------------------------------------------------------------------------------------|--------------------------------------------------------|------|--------|-----------|-----------------|-----------------|
|                                                                                          | Uraian                                                 | Kode | Satuan | Koefisien | HargaSatuan(Rp) | JumlahHarga(Rp) |
| A                                                                                        | Tenaga Kerja                                           |      |        |           |                 |                 |
|                                                                                          | Pekerja                                                | L.01 | OH     | 0,150     | Rp 178.000,00   | Rp 26.700,00    |
|                                                                                          | Mandor                                                 | L.04 | OH     | 0,0075    | Rp 262.000,00   | Rp 1.965,00     |
| Jumlah Harga Tenaga Kerja                                                                |                                                        |      |        |           |                 | Rp 28.665,00    |
| B                                                                                        | Bahan                                                  |      |        |           |                 |                 |
|                                                                                          | Sabun                                                  |      | kg     | 0,050     | Rp -            | Rp -            |
| Jumlah Harga Bahan                                                                       |                                                        |      |        |           |                 | Rp -            |
| C                                                                                        | Peralatan                                              |      |        |           |                 |                 |
| Jumlah Harga Alat                                                                        |                                                        |      |        |           |                 |                 |
| D                                                                                        | Jumlah Harga Tenaga Kerja, Bahan dan Peralatan (A+B+C) |      |        |           |                 | Rp 28.665,00    |
| E                                                                                        | Biaya Umum dan Keuntungan (10% - 15%) x D              |      |        |           | 15% x D         | Rp 4.299,75     |
| F                                                                                        | Harga Satuan Pekerjaan (D+E)                           |      |        |           |                 | Rp 32.964,75    |
| 3.8.3 Pengerokan m2 karat pada permukaan baja secara manual                              |                                                        |      |        |           |                 |                 |
|                                                                                          | Uraian                                                 | Kode | Satuan | Koefisien | HargaSatuan(Rp) | JumlahHarga(Rp) |
| A                                                                                        | Tenaga Kerja                                           |      |        |           |                 |                 |
|                                                                                          | Pekerja                                                | L.01 | OH     | 0,150     | Rp 178.000,00   | Rp 26.700,00    |
|                                                                                          | Mandor                                                 | L.04 | OH     | 0,0075    | Rp 262.000,00   | Rp 1.965,00     |
| Jumlah Harga Tenaga Kerja                                                                |                                                        |      |        |           |                 | Rp 28.665,00    |
| B                                                                                        | Bahan                                                  |      |        |           |                 |                 |
|                                                                                          | Cairan perontok karat                                  |      | kg     | 0,050     | Rp -            | Rp -            |
| Jumlah Harga Bahan                                                                       |                                                        |      |        |           |                 | Rp -            |
| C                                                                                        | Peralatan                                              |      |        |           |                 |                 |
| Jumlah Harga Alat                                                                        |                                                        |      |        |           |                 |                 |
| D                                                                                        | Jumlah Harga Tenaga Kerja, Bahan dan Peralatan (A+B+C) |      |        |           |                 | Rp 28.665,00    |
| E                                                                                        | Biaya Umum dan Keuntungan (10% - 15%) x D              |      |        |           | 15% x D         | Rp 4.299,75     |
| F                                                                                        | Harga Satuan Pekerjaan (D+E)                           |      |        |           |                 | Rp 32.964,75    |
| 3.8.4 Pengecatan m2 bidang kayu baru (lapis plamuur, lapis cat dasar, lapis cat penutup) |                                                        |      |        |           |                 |                 |
|                                                                                          | Uraian                                                 | Kode | Satuan | Koefisien | HargaSatuan(Rp) | JumlahHarga(Rp) |
| A                                                                                        | Tenaga Kerja                                           |      |        |           |                 |                 |
|                                                                                          | Pekerja                                                | L.01 | OH     | 0,0700    | Rp 178.000,00   | Rp 12.460,00    |
|                                                                                          | Tukang Cat                                             | L.02 | OH     | 0,0090    | Rp 183.000,00   | Rp 1.647,00     |
|                                                                                          | Kepala Tukang                                          | L.03 | OH     | 0,0009    | Rp 210.000,00   | Rp 189,00       |
|                                                                                          | Mandor                                                 | L.04 | OH     | 0,0003    | Rp 262.000,00   | Rp 78,60        |
| Jumlah Harga Tenaga Kerja                                                                |                                                        |      |        |           |                 | Rp 14.374,60    |
| B                                                                                        | Bahan                                                  |      |        |           |                 |                 |
|                                                                                          | Menie                                                  |      | kg     | 0,200     | Rp 35.000,00    | Rp 7.000,00     |
|                                                                                          | Plamuur                                                |      | kg     | 0,150     | Rp 68.200,00    | Rp 10.230,00    |
|                                                                                          | Cat dasar                                              |      | kg     | 0,170     | Rp 57.700,00    | Rp 9.809,00     |
|                                                                                          | Cat penutup                                            |      | kg     | 0,260     | Rp 65.500,00    | Rp 17.030,00    |
|                                                                                          | Kuas                                                   |      | buah   | 0,010     | Rp -            | Rp -            |
|                                                                                          | Pengencer                                              |      | kg     | 0,030     | Rp 23.000,00    | Rp 690,00       |
|                                                                                          | Ampelas                                                |      | lembar | 0,200     | Rp -            | Rp -            |
| Jumlah Harga Bahan                                                                       |                                                        |      |        |           |                 | Rp 44.759,00    |
| C                                                                                        | Peralatan                                              |      |        |           |                 |                 |
| Jumlah Harga Alat                                                                        |                                                        |      |        |           |                 |                 |
| D                                                                                        | Jumlah Harga Tenaga Kerja, Bahan dan Peralatan (A+B+C) |      |        |           |                 | Rp 59.133,60    |
| E                                                                                        | Biaya Umum dan Keuntungan (10% - 15%) x D              |      |        |           | 15% x D         | Rp 8.870,04     |
| F                                                                                        | Harga Satuan Pekerjaan (D+E)                           |      |        |           |                 | Rp 68.003,64    |

| 3.8.5 Pengecatan m2 bidang kayu baru (1 lapis plamuur, 1 lapis cat dasar, 3 lapis cat penutup) |                                                        |      |        |           |                 |                 |
|------------------------------------------------------------------------------------------------|--------------------------------------------------------|------|--------|-----------|-----------------|-----------------|
|                                                                                                | Uraian                                                 | Kode | Satuan | Koefisien | HargaSatuan(Rp) | JumlahHarga(Rp) |
| A                                                                                              | Tenaga Kerja                                           |      |        |           |                 |                 |
|                                                                                                | Pekerja                                                | L.01 | OH     | 0,0700    | Rp 178.000,00   | Rp 12.460,00    |
|                                                                                                | Tukang Cat                                             | L.02 | OH     | 0,1050    | Rp 183.000,00   | Rp 19.215,00    |
|                                                                                                | Kepala Tukang                                          | L.03 | OH     | 0,0105    | Rp 210.000,00   | Rp 2.205,00     |
|                                                                                                | Mandor                                                 | L.04 | OH     | 0,0035    | Rp 262.000,00   | Rp 917,00       |
| Jumlah Harga Tenaga Kerja                                                                      |                                                        |      |        |           |                 | Rp 34.797,00    |
| B                                                                                              | Bahan                                                  |      |        |           |                 |                 |
|                                                                                                | Menie                                                  |      | kg     | 0,200     | Rp -            | Rp -            |
|                                                                                                | Plamuur                                                |      | kg     | 0,150     | Rp -            | Rp -            |
|                                                                                                | Cat dasar                                              |      | kg     | 0,170     | Rp 57.700,00    | Rp 9.809,00     |
|                                                                                                | Cat penutup                                            |      | kg     | 0,350     | Rp 65.500,00    | Rp 22.925,00    |
|                                                                                                | Kuas                                                   |      | buah   | 0,010     | Rp -            | Rp -            |
|                                                                                                | Pengencer                                              |      | kg     | 0,030     | Rp 23.000,00    | Rp 690,00       |
|                                                                                                | Ampelas                                                |      | lembar | 0,200     | Rp -            | Rp -            |
| Jumlah Harga Bahan                                                                             |                                                        |      |        |           |                 | Rp 33.424,00    |
| C                                                                                              | Peralatan                                              |      |        |           |                 |                 |
| Jumlah Harga Alat                                                                              |                                                        |      |        |           |                 |                 |
| D                                                                                              | Jumlah Harga Tenaga Kerja, Bahan dan Peralatan (A+B+C) |      |        |           |                 | Rp 68.221,00    |
| E                                                                                              | Biaya Umum dan Keuntungan (10% - 15%) x D              |      |        |           | 15% x D         | Rp 10.233,15    |
| F                                                                                              | Harga Satuan Pekerjaan (D+E)                           |      |        |           |                 | Rp 78.454,15    |
| 3.8.6 Pelaburan m2 bidang kayu dengan teak oil                                                 |                                                        |      |        |           |                 |                 |
|                                                                                                | Uraian                                                 | Kode | Satuan | Koefisien | HargaSatuan(Rp) | JumlahHarga(Rp) |
| A                                                                                              | Tenaga Kerja                                           |      |        |           |                 |                 |
|                                                                                                | Pekerja                                                | L.01 | OH     | 0,0400    | Rp 178.000,00   | Rp 7.120,00     |
|                                                                                                | Tukang Cat                                             | L.02 | OH     | 0,0630    | Rp 183.000,00   | Rp 11.529,00    |
|                                                                                                | Kepala Tukang                                          | L.03 | OH     | 0,0063    | Rp 210.000,00   | Rp 1.323,00     |
|                                                                                                | Mandor                                                 | L.04 | OH     | 0,0021    | Rp 262.000,00   | Rp 550,20       |
| Jumlah Harga Tenaga Kerja                                                                      |                                                        |      |        |           |                 | Rp 20.522,20    |
| B                                                                                              | Bahan                                                  |      |        |           |                 |                 |
|                                                                                                | Teak oil                                               |      | liter  | 0,360     | Rp -            | Rp -            |
| Jumlah Harga Bahan                                                                             |                                                        |      |        |           |                 | Rp -            |
| C                                                                                              | Peralatan                                              |      |        |           |                 |                 |
| Jumlah Harga Alat                                                                              |                                                        |      |        |           |                 |                 |
| D                                                                                              | Jumlah Harga Tenaga Kerja, Bahan dan Peralatan (A+B+C) |      |        |           |                 | Rp 20.522,20    |
| E                                                                                              | Biaya Umum dan Keuntungan (10% - 15%) x D              |      |        |           | 15% x D         | Rp 3.078,33     |
| F                                                                                              | Harga Satuan Pekerjaan (D+E)                           |      |        |           |                 | Rp 23.600,53    |

| 3.8.7 Pelaburan m2 bidang kayu dengan pelitur             |                                                        |      |        |           |                 |                 |
|-----------------------------------------------------------|--------------------------------------------------------|------|--------|-----------|-----------------|-----------------|
|                                                           | Uraian                                                 | Kode | Satuan | Koefisien | HargaSatuan(Rp) | JumlahHarga(Rp) |
| A                                                         | Tenaga Kerja                                           |      |        |           |                 |                 |
|                                                           | Pekerja                                                | L.01 | OH     | 0,0400    | Rp 178.000,00   | Rp 7.120,00     |
|                                                           | Tukang Cat                                             | L.02 | OH     | 0,0600    | Rp 183.000,00   | Rp 10.980,00    |
|                                                           | Kepala Tukang                                          | L.03 | OH     | 0,0060    | Rp 210.000,00   | Rp 1.260,00     |
|                                                           | Mandor                                                 | L.04 | OH     | 0,0020    | Rp 262.000,00   | Rp 524,00       |
| Jumlah Harga Tenaga Kerja                                 |                                                        |      |        |           |                 | Rp 19.884,00    |
| B                                                         | Bahan                                                  |      |        |           |                 |                 |
|                                                           | Pelitur                                                |      | liter  | 0,150     | Rp -            | Rp -            |
|                                                           | Pelitur jadi                                           |      | liter  | 0,372     | Rp -            | Rp -            |
|                                                           | Ampelas                                                |      | lembar | 2,000     | Rp -            | Rp -            |
| Jumlah Harga Bahan                                        |                                                        |      |        |           |                 | Rp -            |
| C                                                         | Peralatan                                              |      |        |           |                 |                 |
| Jumlah Harga Alat                                         |                                                        |      |        |           |                 |                 |
| D                                                         | Jumlah Harga Tenaga Kerja, Bahan dan Peralatan (A+B+C) |      |        |           |                 | Rp 19.884,00    |
| E                                                         | Biaya Umum dan Keuntungan (10% - 15%) x D              |      |        |           | 15% x D         | Rp 2.982,60     |
| F                                                         | Harga Satuan Pekerjaan (D+E)                           |      |        |           |                 | Rp 22.866,60    |
| 3.8.8 Pelaburan m2 bidang kayu dengan cat residu atau ter |                                                        |      |        |           |                 |                 |
|                                                           | Uraian                                                 | Kode | Satuan | Koefisien | HargaSatuan(Rp) | JumlahHarga(Rp) |
| A                                                         | Tenaga Kerja                                           |      |        |           |                 |                 |
|                                                           | Pekerja                                                | L.01 | OH     | 0,1000    | Rp 178.000,00   | Rp 17.800,00    |
|                                                           | Mandor                                                 | L.04 | OH     | 0,0050    | Rp 262.000,00   | Rp 1.310,00     |
| Jumlah Harga Tenaga Kerja                                 |                                                        |      |        |           |                 | Rp 19.110,00    |
| B                                                         | Bahan                                                  |      |        |           |                 |                 |
|                                                           | Residu atau ter                                        |      | liter  | 0,350     | Rp -            | Rp -            |
| Jumlah Harga Bahan                                        |                                                        |      |        |           |                 | Rp -            |
| C                                                         | Peralatan                                              |      |        |           |                 |                 |
| Jumlah Harga Alat                                         |                                                        |      |        |           |                 |                 |
| D                                                         | Jumlah Harga Tenaga Kerja, Bahan dan Peralatan (A+B+C) |      |        |           |                 | Rp 19.110,00    |
| E                                                         | Biaya Umum dan Keuntungan (10% - 15%) x D              |      |        |           | 15% x D         | Rp 2.866,50     |
| F                                                         | Harga Satuan Pekerjaan (D+E)                           |      |        |           |                 | Rp 21.976,50    |
| 3.8.9 Pelaburan m2 bidang kayu dengan vernis              |                                                        |      |        |           |                 |                 |
|                                                           | Uraian                                                 | Kode | Satuan | Koefisien | HargaSatuan(Rp) | JumlahHarga(Rp) |
| A                                                         | Tenaga Kerja                                           |      |        |           |                 |                 |
|                                                           | Pekerja                                                | L.01 | OH     | 0,1600    | Rp 178.000,00   | Rp 28.480,00    |
|                                                           | Tukang Cat                                             | L.02 | OH     | 0,1600    | Rp 183.000,00   | Rp 29.280,00    |
|                                                           | Kepala Tukang                                          | L.03 | OH     | 0,0160    | Rp 210.000,00   | Rp 3.360,00     |
|                                                           | Mandor                                                 | L.04 | OH     | 0,0053    | Rp 262.000,00   | Rp 1.388,60     |
| Jumlah Harga Tenaga Kerja                                 |                                                        |      |        |           |                 | Rp 62.508,60    |
| B                                                         | Bahan                                                  |      |        |           |                 |                 |
|                                                           | Vernis                                                 |      | liter  | 0,150     | Rp -            | Rp -            |
|                                                           | Dempul                                                 |      | liter  | 0,500     | Rp -            | Rp -            |
|                                                           | Ampelas                                                |      | lembar | 0,100     | Rp -            | Rp -            |
| Jumlah Harga Bahan                                        |                                                        |      |        |           |                 | Rp -            |
| C                                                         | Peralatan                                              |      |        |           |                 |                 |
| Jumlah Harga Alat                                         |                                                        |      |        |           |                 |                 |
| D                                                         | Jumlah Harga Tenaga Kerja, Bahan dan Peralatan (A+B+C) |      |        |           |                 | Rp 62.508,60    |
| E                                                         | Biaya Umum dan Keuntungan (10% - 15%) x D              |      |        |           | 15% x D         | Rp 9.376,29     |
| F                                                         | Harga Satuan Pekerjaan (D+E)                           |      |        |           |                 | Rp 71.884,89    |

|                           |                                                                                                        |      |        |           |                 |                 |
|---------------------------|--------------------------------------------------------------------------------------------------------|------|--------|-----------|-----------------|-----------------|
| 3.8.10                    | Pengecatan m2 bidang tembok baru ( 1 lapis plamuur, 1 lapis cat dasar, 2 lapis cat penutup )           |      |        |           |                 |                 |
| 3.8.10a                   | Pengecatan m2 bidang tembok baru ( 1 lapis plamuur, 1 lapis cat dasar, 2 lapis cat penutup ) interior  |      |        |           |                 |                 |
|                           | Uraian                                                                                                 | Kode | Satuan | Koefisien | HargaSatuan(Rp) | JumlahHarga(Rp) |
| A                         | Tenaga Kerja                                                                                           |      |        |           |                 |                 |
|                           | Pekerja                                                                                                | L.01 | OH     | 0,0667    | Rp 178.000,00   | Rp 11.872,60    |
|                           | Tukang Cat                                                                                             | L.02 | OH     | 0,0667    | Rp 183.000,00   | Rp 12.206,10    |
|                           | Kepala Tukang                                                                                          | L.03 | OH     | 0,0067    | Rp 210.000,00   | Rp 1.407,00     |
|                           | Mandor                                                                                                 | L.04 | OH     | 0,0022    | Rp 262.000,00   | Rp 576,40       |
| Jumlah Harga Tenaga Kerja |                                                                                                        |      |        |           |                 | Rp 26.062,10    |
| B                         | Bahan                                                                                                  |      |        |           |                 |                 |
|                           | Cat dasar                                                                                              |      | kg     | 0,100     | Rp 44.000,00    | Rp 4.400,00     |
|                           | Cat penutup                                                                                            |      | kg     | 0,260     | Rp 33.000,00    | Rp 8.580,00     |
| Jumlah Harga Bahan        |                                                                                                        |      |        |           |                 | Rp 12.980,00    |
| C                         | Peralatan                                                                                              |      |        |           |                 |                 |
| Jumlah Harga Alat         |                                                                                                        |      |        |           |                 |                 |
| D                         | Jumlah Harga Tenaga Kerja, Bahan dan Peralatan (A+B+C)                                                 |      |        |           |                 | Rp 39.042,10    |
| E                         | Biaya Umum dan Keuntungan (10% - 15%) x D                                                              |      |        |           | 15% x D         | Rp 5.856,32     |
| F                         | Harga Satuan Pekerjaan (D+E)                                                                           |      |        |           |                 | Rp 44.898,42    |
| 3.8.10b                   | Pengecatan m2 bidang tembok baru ( 1 lapis plamuur, 1 lapis cat dasar, 2 lapis cat penutup ) eksterior |      |        |           |                 |                 |
|                           | Uraian                                                                                                 | Kode | Satuan | Koefisien | HargaSatuan(Rp) | JumlahHarga(Rp) |
| A                         | Tenaga Kerja                                                                                           |      |        |           |                 |                 |
|                           | Pekerja                                                                                                | L.01 | OH     | 0,0667    | Rp 178.000,00   | Rp 11.872,60    |
|                           | Tukang Cat                                                                                             | L.02 | OH     | 0,0667    | Rp 183.000,00   | Rp 12.206,10    |
|                           | Kepala Tukang                                                                                          | L.03 | OH     | 0,0067    | Rp 210.000,00   | Rp 1.407,00     |
|                           | Mandor                                                                                                 | L.04 | OH     | 0,0022    | Rp 262.000,00   | Rp 576,40       |
| Jumlah Harga Tenaga Kerja |                                                                                                        |      |        |           |                 | Rp 26.062,10    |
| B                         | Bahan                                                                                                  |      |        |           |                 |                 |
|                           | Cat dasar                                                                                              |      | kg     | 0,100     | Rp 44.000,00    | Rp 4.400,00     |
|                           | Cat penutup jotun toughshield                                                                          |      | kg     | 0,260     | Rp 40.000,00    | Rp 10.400,00    |
| Jumlah Harga Bahan        |                                                                                                        |      |        |           |                 | Rp 14.800,00    |
| C                         | Peralatan                                                                                              |      |        |           |                 |                 |
| Jumlah Harga Alat         |                                                                                                        |      |        |           |                 |                 |
| D                         | Jumlah Harga Tenaga Kerja, Bahan dan Peralatan (A+B+C)                                                 |      |        |           |                 | Rp 40.862,10    |
| E                         | Biaya Umum dan Keuntungan (10% - 15%) x D                                                              |      |        |           | 15% x D         | Rp 6.129,32     |
| F                         | Harga Satuan Pekerjaan (D+E)                                                                           |      |        |           |                 | Rp 46.991,42    |
| 3.8.11                    | Pengecatan m2 bidang tembok lama ( 1 lapis cat dasar, 2 lapis cat penutup )                            |      |        |           |                 |                 |
| 3.8.11a                   | Pengecatan m2 bidang tembok lama ( 1 lapis cat dasar, 2 lapis cat penutup ) interior                   |      |        |           |                 |                 |
|                           | Uraian                                                                                                 | Kode | Satuan | Koefisien | HargaSatuan(Rp) | JumlahHarga(Rp) |
| A                         | Tenaga Kerja                                                                                           |      |        |           |                 |                 |
|                           | Pekerja                                                                                                | L.01 | OH     | 0,0500    | Rp 178.000,00   | Rp 8.900,00     |
|                           | Tukang Cat                                                                                             | L.02 | OH     | 0,0500    | Rp 183.000,00   | Rp 9.150,00     |
|                           | Kepala Tukang                                                                                          | L.03 | OH     | 0,0050    | Rp 210.000,00   | Rp 1.050,00     |
|                           | Mandor                                                                                                 | L.04 | OH     | 0,0017    | Rp 262.000,00   | Rp 445,40       |
| Jumlah Harga Tenaga Kerja |                                                                                                        |      |        |           |                 | Rp 19.545,40    |
| B                         | Bahan                                                                                                  |      |        |           |                 |                 |
|                           | Cat dasar                                                                                              |      | kg     | 0,120     | Rp 33.000,00    | Rp 3.960,00     |
|                           | Cat penutup                                                                                            |      | kg     | 0,180     | Rp 33.000,00    | Rp 5.940,00     |
| Jumlah Harga Bahan        |                                                                                                        |      |        |           |                 | Rp 9.900,00     |
| C                         | Peralatan                                                                                              |      |        |           |                 |                 |
| Jumlah Harga Alat         |                                                                                                        |      |        |           |                 |                 |
| D                         | Jumlah Harga Tenaga Kerja, Bahan dan Peralatan (A+B+C)                                                 |      |        |           |                 | Rp 29.445,40    |
| E                         | Biaya Umum dan Keuntungan (10% - 15%) x D                                                              |      |        |           | 15% x D         | Rp 4.416,81     |
| F                         | Harga Satuan Pekerjaan (D+E)                                                                           |      |        |           |                 | Rp 33.862,21    |

| 3.8.11b Pengecatan m2 bidang tembok lama ( 1 lapis cat dasar, 2 lapis cat penutup ) eksterior |                                                        |         |        |           |                    |                    |
|-----------------------------------------------------------------------------------------------|--------------------------------------------------------|---------|--------|-----------|--------------------|--------------------|
|                                                                                               | Uraian                                                 | Kode    | Satuan | Koefisien | HargaSatuan(Rp)    | JumlahHarga(Rp)    |
| A                                                                                             | Tenaga Kerja                                           |         |        |           |                    |                    |
|                                                                                               | Pekerja                                                | L.01    | OH     | 0,0500    | Rp 178.000,00      | Rp 8.900,00        |
|                                                                                               | Tukang Cat                                             | L.02    | OH     | 0,0500    | Rp 183.000,00      | Rp 9.150,00        |
|                                                                                               | Kepala Tukang                                          | L.03    | OH     | 0,0050    | Rp 210.000,00      | Rp 1.050,00        |
|                                                                                               | Mandor                                                 | L.04    | OH     | 0,0017    | Rp 262.000,00      | Rp 445,40          |
| Jumlah Harga Tenaga Kerja                                                                     |                                                        |         |        |           |                    | Rp 19.545,40       |
| B                                                                                             | Bahan                                                  |         |        |           |                    |                    |
|                                                                                               | Cat dasar                                              |         | kg     | 0,120     | Rp 40.000,00       | Rp 4.800,00        |
|                                                                                               | Cat penutup jotun toughshield                          |         | kg     | 0,180     | Rp 40.000,00       | Rp 7.200,00        |
| Jumlah Harga Bahan                                                                            |                                                        |         |        |           |                    | Rp 12.000,00       |
| C                                                                                             | Peralatan                                              |         |        |           |                    |                    |
| Jumlah Harga Alat                                                                             |                                                        |         |        |           |                    |                    |
| D                                                                                             | Jumlah Harga Tenaga Kerja, Bahan dan Peralatan (A+B+C) |         |        |           |                    | Rp 31.545,40       |
| E                                                                                             | Biaya Umum dan Keuntungan (10% - 15%) x D              |         |        |           | 15% x D            | Rp 4.731,81        |
| F                                                                                             | Harga Satuan Pekerjaan (D+E)                           |         |        |           |                    | Rp 36.277,21       |
| 3.8.20 Pengecatan m2 plafond ( 1 lapis cat dasar, 2 lapis cat penutup )                       |                                                        |         |        |           |                    |                    |
|                                                                                               | Uraian                                                 | Kode    | Satuan | Koefisien | HargaSatuan(Rp)    | JumlahHarga(Rp)    |
| A                                                                                             | Tenaga Kerja                                           |         |        |           |                    |                    |
|                                                                                               | Pekerja                                                | L.01    | OH     | 0,0625    | Rp 178.000,00      | Rp 11.125,00       |
|                                                                                               | Tukang Cat                                             | L.02    | OH     | 0,0625    | Rp 183.000,00      | Rp 11.437,50       |
|                                                                                               | Kepala Tukang                                          | L.03    | OH     | 0,0063    | Rp 210.000,00      | Rp 1.323,00        |
|                                                                                               | Mandor                                                 | L.04    | OH     | 0,0021    | Rp 262.000,00      | Rp 550,20          |
| Jumlah Harga Tenaga Kerja                                                                     |                                                        |         |        |           |                    | Rp 24.435,70       |
| B                                                                                             | Bahan                                                  |         |        |           |                    |                    |
|                                                                                               | Cat dasar                                              |         | kg     | 0,120     | Rp 33.000,00       | Rp 3.960,00        |
|                                                                                               | Cat penutup                                            |         | kg     | 0,180     | Rp 33.000,00       | Rp 5.940,00        |
| Jumlah Harga Bahan                                                                            |                                                        |         |        |           |                    | Rp 9.900,00        |
| C                                                                                             | Peralatan                                              |         |        |           |                    |                    |
| Jumlah Harga Alat                                                                             |                                                        |         |        |           |                    |                    |
| D                                                                                             | Jumlah Harga Tenaga Kerja, Bahan dan Peralatan (A+B+C) |         |        |           |                    | Rp 34.335,70       |
| E                                                                                             | Biaya Umum dan Keuntungan (10% - 15%) x D              |         |        |           | 15% x D            | Rp 5.150,36        |
| F                                                                                             | Harga Satuan Pekerjaan (D+E)                           |         |        |           |                    | Rp 39.486,06       |
| PEKERJAAN PENUTUP LANTAI KERAMIK                                                              |                                                        |         |        |           |                    |                    |
| A.4.4.3.13. Pemasangan 1m2 lantai keramik ukuran 60cm x60cm                                   |                                                        |         |        |           |                    |                    |
| No                                                                                            | Uraian                                                 | Kode    | Satuan | Koefisien | Harga Satuan (Rp.) | Jumlah Harga (Rp.) |
| A                                                                                             | TENAGA                                                 |         |        |           |                    |                    |
|                                                                                               | Pekerja                                                | L.01.01 | OH     | 0,240     | Rp 178.000,00      | Rp 42.720,00       |
|                                                                                               | Tukang Batu                                            | L.02.03 | OH     | 0,120     | Rp 183.000,00      | Rp 21.960,00       |
|                                                                                               | Kepala tukang                                          | L.03.01 | OH     | 0,012     | Rp 210.000,00      | Rp 2.520,00        |
|                                                                                               | Mandor                                                 | L.04.01 | OH     | 0,0120    | Rp 262.000,00      | Rp 3.144,00        |
|                                                                                               |                                                        |         |        |           |                    | Rp 70.344,00       |
| B                                                                                             | BAHAN                                                  |         |        |           |                    |                    |
|                                                                                               | keramik ukuran 60cm x60cm                              |         | Bh     | 3,100     | Rp 80.000,00       | Rp 248.000,00      |
|                                                                                               | Semen portland                                         |         | kg     | 9,600     | Rp 1.540,00        | Rp 14.784,00       |
|                                                                                               | Semen Warna                                            |         | Kg     | 1,500     | Rp 18.700,00       | Rp 28.050,00       |
|                                                                                               | Pasir Pasang                                           |         | M3     | 0,045     | Rp 330.000,00      | Rp 14.850,00       |
|                                                                                               |                                                        |         |        |           |                    | Rp 305.684,00      |
| C                                                                                             | PERALATAN                                              |         |        |           | Rp -               | Rp -               |
|                                                                                               |                                                        |         |        |           |                    | Rp -               |
| D                                                                                             | Jumlah (A+B+C)                                         |         |        |           |                    | Rp 376.028,00      |
| E                                                                                             | Overhead & Provit 15%                                  |         |        |           |                    | Rp 56.404,20       |
| F                                                                                             | Harga Satuan Pekerjaan (D+E)                           |         |        |           |                    | Rp 432.432,00      |

|                                                                             |                                                        |      |        |           |                 |                 |
|-----------------------------------------------------------------------------|--------------------------------------------------------|------|--------|-----------|-----------------|-----------------|
| A.4.4.3.36.a Pemasangan 1 m2 lantai keramik ukuran 25 cm x 25cm (1SP : 2PP) |                                                        |      |        |           |                 |                 |
|                                                                             | Uraian                                                 | Kode | Satuan | Koefisien | HargaSatuan(Rp) | JumlahHarga(Rp) |
| A                                                                           | Tenaga Kerja                                           |      |        |           |                 |                 |
|                                                                             | Pekerja                                                | L.01 | OH     | 0,700     | Rp 178.000,00   | Rp 124.600,00   |
|                                                                             | Tukang Batu                                            | L.02 | OH     | 0,350     | Rp 183.000,00   | Rp 64.050,00    |
|                                                                             | Kepala Tukang                                          | L.03 | OH     | 0,035     | Rp 210.000,00   | Rp 7.350,00     |
|                                                                             | Mandor                                                 | L.04 | OH     | 0,0350    | Rp 262.000,00   | Rp 9.170,00     |
| Jumlah Harga Tenaga Kerja                                                   |                                                        |      |        |           |                 | Rp 205.170,00   |
| B                                                                           | Bahan                                                  |      |        |           |                 |                 |
|                                                                             | Ubin keramik                                           |      | buah   | 16,000    | Rp 4.375,00     | Rp 70.000,00    |
|                                                                             | Semen portland                                         |      | kg     | 10,400    | Rp 1.540,00     | Rp 16.016,00    |
|                                                                             | Semen warna                                            |      | kg     | 1,620     | Rp 18.700,00    | Rp 30.294,00    |
|                                                                             | Pasir pasang                                           |      | m3     | 0,045     | Rp 330.000,00   | Rp 14.850,00    |
| Jumlah Harga Bahan                                                          |                                                        |      |        |           |                 | Rp 131.160,00   |
| C                                                                           | Peralatan                                              |      |        |           |                 |                 |
| Jumlah Harga Alat                                                           |                                                        |      |        |           |                 |                 |
| D                                                                           | Jumlah Harga Tenaga Kerja, Bahan dan Peralatan (A+B+C) |      |        |           |                 | Rp 336.330,00   |
| E                                                                           | Biaya Umum dan Keuntungan (10% - 15%) x D              |      |        |           | 15% x D         | Rp 50.449,50    |
| F                                                                           | Harga Satuan Pekerjaan (D+E)                           |      |        |           |                 | Rp 386.779,50   |
| A.4.4.3.34.a Pemasangan 1 m2 lantai keramik ukuran 40 cm x 40cm (1SP : 2PP) |                                                        |      |        |           |                 |                 |
|                                                                             | Uraian                                                 | Kode | Satuan | Koefisien | HargaSatuan(Rp) | JumlahHarga(Rp) |
| A                                                                           | Tenaga Kerja                                           |      |        |           |                 |                 |
|                                                                             | Pekerja                                                | L.01 | OH     | 0,7000    | Rp 178.000,00   | Rp 124.600,00   |
|                                                                             | Tukang Batu                                            | L.02 | OH     | 0,3500    | Rp 183.000,00   | Rp 64.050,00    |
|                                                                             | Kepala Tukang                                          | L.03 | OH     | 0,0350    | Rp 210.000,00   | Rp 7.350,00     |
|                                                                             | Mandor                                                 | L.04 | OH     | 0,0350    | Rp 262.000,00   | Rp 9.170,00     |
| Jumlah Harga Tenaga Kerja                                                   |                                                        |      |        |           |                 | Rp 205.170,00   |
| B                                                                           | Bahan                                                  |      |        |           |                 |                 |
|                                                                             | Ubin keramik polish                                    |      | buah   | 1,0500    | Rp 58.000,00    | Rp 60.900,00    |
|                                                                             | Semen portland                                         |      | kg     | 8,1900    | Rp 1.540,00     | Rp 12.612,60    |
|                                                                             | Semen warna                                            |      | kg     | 1,6200    | Rp 18.700,00    | Rp 30.294,00    |
|                                                                             | Pasir pasang                                           |      | m3     | 0,0450    | Rp 330.000,00   | Rp 14.850,00    |
| Jumlah Harga Bahan                                                          |                                                        |      |        |           |                 | Rp 118.656,60   |
| C                                                                           | Peralatan                                              |      |        |           |                 |                 |
| Jumlah Harga Alat                                                           |                                                        |      |        |           |                 |                 |
| D                                                                           | Jumlah Harga Tenaga Kerja, Bahan dan Peralatan (A+B+C) |      |        |           |                 | Rp 323.826,60   |
| E                                                                           | Biaya Umum dan Keuntungan (10% - 15%) x D              |      |        |           | 15% x D         | Rp 48.573,99    |
| F                                                                           | Harga Satuan Pekerjaan (D+E)                           |      |        |           |                 | Rp 372.400,59   |
| A.4.4.3.34.b Pemasangan 1 m2 lantai keramik ukuran 40 cm x 40cm (1SP : 2PP) |                                                        |      |        |           |                 |                 |
|                                                                             | Uraian                                                 | Kode | Satuan | Koefisien | HargaSatuan(Rp) | JumlahHarga(Rp) |
| A                                                                           | Tenaga Kerja                                           |      |        |           |                 |                 |
|                                                                             | Pekerja                                                | L.01 | OH     | 0,7000    | Rp 178.000,00   | Rp 124.600,00   |
|                                                                             | Tukang Batu                                            | L.02 | OH     | 0,3500    | Rp 183.000,00   | Rp 64.050,00    |
|                                                                             | Kepala Tukang                                          | L.03 | OH     | 0,0350    | Rp 210.000,00   | Rp 7.350,00     |
|                                                                             | Mandor                                                 | L.04 | OH     | 0,0350    | Rp 262.000,00   | Rp 9.170,00     |
| Jumlah Harga Tenaga Kerja                                                   |                                                        |      |        |           |                 | Rp 205.170,00   |
| B                                                                           | Bahan                                                  |      |        |           |                 |                 |
|                                                                             | Ubin keramik kasar                                     |      | buah   | 1,0500    | Rp 62.000,00    | Rp 65.100,00    |
|                                                                             | Semen portland                                         |      | kg     | 8,1900    | Rp 1.540,00     | Rp 12.612,60    |
|                                                                             | Semen warna                                            |      | kg     | 1,6200    | Rp 18.700,00    | Rp 30.294,00    |
|                                                                             | Pasir pasang                                           |      | m3     | 0,0450    | Rp 330.000,00   | Rp 14.850,00    |
| Jumlah Harga Bahan                                                          |                                                        |      |        |           |                 | Rp 122.856,60   |
| C                                                                           | Peralatan                                              |      |        |           |                 |                 |
| Jumlah Harga Alat                                                           |                                                        |      |        |           |                 |                 |
| D                                                                           | Jumlah Harga Tenaga Kerja, Bahan dan Peralatan (A+B+C) |      |        |           |                 | Rp 328.026,60   |
| E                                                                           | Biaya Umum dan Keuntungan (10% - 15%) x D              |      |        |           | 15% x D         | Rp 49.203,99    |
| F                                                                           | Harga Satuan Pekerjaan (D+E)                           |      |        |           |                 | Rp 377.230,59   |

| A.4.4.3.13.b Pemasangan 1m2 lantai keramik ukuran 60cm x60cm                 |                                                        |      |        |           |                 |                 |
|------------------------------------------------------------------------------|--------------------------------------------------------|------|--------|-----------|-----------------|-----------------|
|                                                                              | Uraian                                                 | Kode | Satuan | Koefisien | HargaSatuan(Rp) | JumlahHarga(Rp) |
| A                                                                            | Tenaga Kerja                                           |      |        |           |                 |                 |
|                                                                              | Pekerja                                                | L.01 | OH     | 0,240     | Rp 178.000,00   | Rp 42.720,00    |
|                                                                              | Tukang Batu                                            | L.02 | OH     | 0,1200    | Rp 183.000,00   | Rp 21.960,00    |
|                                                                              | Kepala Tukang                                          | L.03 | OH     | 0,0120    | Rp 210.000,00   | Rp 2.520,00     |
|                                                                              | Mandor                                                 | L.04 | OH     | 0,0120    | Rp 262.000,00   | Rp 3.144,00     |
| Jumlah Harga Tenaga Kerja                                                    |                                                        |      |        |           |                 | Rp 70.344,00    |
| B                                                                            | Bahan                                                  |      |        |           |                 |                 |
|                                                                              | Ubin keramik                                           |      | buah   | 3,100     | Rp 80.000,00    | Rp 248.000,00   |
|                                                                              | Semen portland                                         |      | kg     | 9,600     | Rp 1.540,00     | Rp 14.784,00    |
|                                                                              | Semen warna                                            |      | kg     | 1,500     | Rp 18.700,00    | Rp 28.050,00    |
|                                                                              | Pasir pasang                                           |      | m3     | 0,045     | Rp 330.000,00   | Rp 14.850,00    |
| Jumlah Harga Bahan                                                           |                                                        |      |        |           |                 | Rp 305.684,00   |
| C                                                                            | Peralatan                                              |      |        |           |                 |                 |
| Jumlah Harga Alat                                                            |                                                        |      |        |           |                 |                 |
| D                                                                            | Jumlah Harga Tenaga Kerja, Bahan dan Peralatan (A+B+C) |      |        |           |                 | Rp 376.028,00   |
| E                                                                            | Biaya Umum dan Keuntungan (10% - 15%) x D              |      |        |           | 15% x D         | Rp 56.404,20    |
| F                                                                            | Harga Satuan Pekerjaan (D+E)                           |      |        |           |                 | Rp 432.432,20   |
| 3.9.8.7 Pemasangan 1 m' plint keramik ukuran 10 s.d 15 cm x 40cm (1SP : 2PP) |                                                        |      |        |           |                 |                 |
|                                                                              | Uraian                                                 | Kode | Satuan | Koefisien | HargaSatuan(Rp) | JumlahHarga(Rp) |
| A                                                                            | Tenaga Kerja                                           |      |        |           |                 |                 |
|                                                                              | Pekerja                                                | L.01 | OH     | 0,0667    | Rp 178.000,00   | Rp 11.872,60    |
|                                                                              | Tukang Batu                                            | L.02 | OH     | 0,0333    | Rp 183.000,00   | Rp 6.093,90     |
|                                                                              | Kepala Tukang                                          | L.03 | OH     | 0,0033    | Rp 210.000,00   | Rp 693,00       |
|                                                                              | Mandor                                                 | L.04 | OH     | 0,0011    | Rp 262.000,00   | Rp 288,20       |
| Jumlah Harga Tenaga Kerja                                                    |                                                        |      |        |           |                 | Rp 18.947,70    |
| B                                                                            | Bahan                                                  |      |        |           |                 |                 |
|                                                                              | Plint keramik                                          |      | buah   | 2,625     | Rp 2.416,67     | Rp 6.343,75     |
|                                                                              | Semen portland                                         |      | kg     | 1,704     | Rp 1.540,00     | Rp 2.624,16     |
|                                                                              | Semen warna                                            |      | kg     | 0,188     | Rp 18.700,00    | Rp 3.515,60     |
|                                                                              | Pasir pasang                                           |      | m3     | 0,003     | Rp 330.000,00   | Rp 990,00       |
| Jumlah Harga Bahan                                                           |                                                        |      |        |           |                 | Rp 13.473,51    |
| C                                                                            | Peralatan                                              |      |        |           |                 |                 |
| Jumlah Harga Alat                                                            |                                                        |      |        |           |                 |                 |
| D                                                                            | Jumlah Harga Tenaga Kerja, Bahan dan Peralatan (A+B+C) |      |        |           |                 | Rp 32.421,21    |
| E                                                                            | Biaya Umum dan Keuntungan (10% - 15%) x D              |      |        |           | 15% x D         | Rp 4.863,18     |
| F                                                                            | Harga Satuan Pekerjaan (D+E)                           |      |        |           |                 | Rp 37.284,39    |

|                                                                               |                                                        |      |        |           |                 |                 |
|-------------------------------------------------------------------------------|--------------------------------------------------------|------|--------|-----------|-----------------|-----------------|
| 3.9.8.8 Pemasangan 1 m' plint keramik ukuran 10 s.d 15 cm x 60cm (1SP : 2PP)  |                                                        |      |        |           |                 |                 |
|                                                                               | Uraian                                                 | Kode | Satuan | Koefisien | HargaSatuan(Rp) | JumlahHarga(Rp) |
| A                                                                             | Tenaga Kerja                                           |      |        |           |                 |                 |
|                                                                               | Pekerja                                                | L.01 | OH     | 0,071     | Rp 178.000,00   | Rp 12.709,20    |
|                                                                               | Tukang Batu                                            | L.02 | OH     | 0,0357    | Rp 183.000,00   | Rp 6.533,10     |
|                                                                               | Kepala Tukang                                          | L.03 | OH     | 0,0036    | Rp 210.000,00   | Rp 756,00       |
|                                                                               | Mandor                                                 | L.04 | OH     | 0,0012    | Rp 262.000,00   | Rp 314,40       |
| Jumlah Harga Tenaga Kerja                                                     |                                                        |      |        |           |                 | Rp 20.312,70    |
| B                                                                             | Bahan                                                  |      |        |           |                 |                 |
|                                                                               | Plint keramik                                          |      | buah   | 1,750     | Rp 12.222,22    | Rp 21.388,89    |
|                                                                               | Semen portland                                         |      | kg     | 1,704     | Rp 1.540,00     | Rp 2.624,16     |
|                                                                               | Semen warna                                            |      | kg     | 0,188     | Rp 18.700,00    | Rp 3.515,60     |
|                                                                               | Pasir pasang                                           |      | m3     | 0,003     | Rp 330.000,00   | Rp 990,00       |
| Jumlah Harga Bahan                                                            |                                                        |      |        |           |                 | Rp 28.518,65    |
| C                                                                             | Peralatan                                              |      |        |           |                 |                 |
|                                                                               | Jumlah Harga Alat                                      |      |        |           |                 |                 |
| D                                                                             | Jumlah Harga Tenaga Kerja, Bahan dan Peralatan (A+B+C) |      |        |           |                 | Rp 48.831,35    |
| E                                                                             | Biaya Umum dan Keuntungan (10% - 15%) x D              |      |        |           | 15% x D         | Rp 7.324,70     |
| F                                                                             | Harga Satuan Pekerjaan (D+E)                           |      |        |           |                 | Rp 56.156,05    |
|                                                                               |                                                        |      |        |           |                 |                 |
| PEKERJAAN PENUTUP DINDING KERAMIK                                             |                                                        |      |        |           |                 |                 |
| 3.10.1.4 Pemasangan 1 m2 dinding keramik ukuran 20 cm x 20cm (1SP : 2PP)      |                                                        |      |        |           |                 |                 |
| 3.10.1.4a Pemasangan 1 m2 dinding keramik ukuran 25 cm x 25 cm (1SP : 2PP)    |                                                        |      |        |           |                 |                 |
|                                                                               | Uraian                                                 | Kode | Satuan | Koefisien | HargaSatuan(Rp) | JumlahHarga(Rp) |
| A                                                                             | Tenaga Kerja                                           |      |        |           |                 |                 |
|                                                                               | Pekerja                                                | L.01 | OH     | 0,400     | Rp 178.000,00   | Rp 71.200,00    |
|                                                                               | Tukang Batu                                            | L.02 | OH     | 0,200     | Rp 183.000,00   | Rp 36.600,00    |
|                                                                               | Kepala Tukang                                          | L.03 | OH     | 0,020     | Rp 210.000,00   | Rp 4.200,00     |
|                                                                               | Mandor                                                 | L.04 | OH     | 0,0070    | Rp 262.000,00   | Rp 1.834,00     |
| Jumlah Harga Tenaga Kerja                                                     |                                                        |      |        |           |                 | Rp 113.834,00   |
| B                                                                             | Bahan                                                  |      |        |           |                 |                 |
|                                                                               | keramik                                                |      | buah   | 16,000    | Rp 4.375,00     | Rp 70.000,00    |
|                                                                               | Semen portland                                         |      | kg     | 9,300     | Rp 1.540,00     | Rp 14.322,00    |
|                                                                               | Semen warna                                            |      | kg     | 1,940     | Rp 18.700,00    | Rp 36.278,00    |
|                                                                               | Pasir pasang                                           |      | m3     | 0,018     | Rp 330.000,00   | Rp 5.940,00     |
| Jumlah Harga Bahan                                                            |                                                        |      |        |           |                 | Rp 126.540,00   |
| C                                                                             | Peralatan                                              |      |        |           |                 |                 |
|                                                                               | Jumlah Harga Alat                                      |      |        |           |                 |                 |
| D                                                                             | Jumlah Harga Tenaga Kerja, Bahan dan Peralatan (A+B+C) |      |        |           |                 | Rp 240.374,00   |
| E                                                                             | Biaya Umum dan Keuntungan (10% - 15%) x D              |      |        |           | 15% x D         | Rp 36.056,10    |
| F                                                                             | Harga Satuan Pekerjaan (D+E)                           |      |        |           |                 | Rp 276.430,10   |
|                                                                               |                                                        |      |        |           |                 |                 |
| A.4.4.3.54.b Pemasangan 1 m2 dinding keramik ukuran 25 cm x 40 cm (1SP : 2PP) |                                                        |      |        |           |                 |                 |
|                                                                               | Uraian                                                 | Kode | Satuan | Koefisien | HargaSatuan(Rp) | JumlahHarga(Rp) |
| A                                                                             | Tenaga Kerja                                           |      |        |           |                 |                 |
|                                                                               | Pekerja                                                | L.01 | OH     | 0,900     | Rp 178.000,00   | Rp 160.200,00   |
|                                                                               | Tukang Batu                                            | L.02 | OH     | 0,450     | Rp 183.000,00   | Rp 82.350,00    |
|                                                                               | Kepala Tukang                                          | L.03 | OH     | 0,045     | Rp 210.000,00   | Rp 9.450,00     |
|                                                                               | Mandor                                                 | L.04 | OH     | 0,0450    | Rp 262.000,00   | Rp 11.790,00    |
| Jumlah Harga Tenaga Kerja                                                     |                                                        |      |        |           |                 | Rp 263.790,00   |
| B                                                                             | Bahan                                                  |      |        |           |                 |                 |
|                                                                               | keramik                                                |      | buah   | 1,000     | Rp 84.000,00    | Rp 84.000,00    |
|                                                                               | Semen portland                                         |      | kg     | 9,300     | Rp 1.540,00     | Rp 14.322,00    |
|                                                                               | Semen warna                                            |      | kg     | 1,940     | Rp 18.700,00    | Rp 36.278,00    |
|                                                                               | Pasir pasang                                           |      | m3     | 0,018     | Rp 330.000,00   | Rp 5.940,00     |
| Jumlah Harga Bahan                                                            |                                                        |      |        |           |                 | Rp 140.540,00   |
| C                                                                             | Peralatan                                              |      |        |           |                 |                 |
|                                                                               | Jumlah Harga Alat                                      |      |        |           |                 |                 |
| D                                                                             | Jumlah Harga Tenaga Kerja, Bahan dan Peralatan (A+B+C) |      |        |           |                 | Rp 404.330,00   |
| E                                                                             | Biaya Umum dan Keuntungan (10% - 15%) x D              |      |        |           | 15% x D         | Rp 60.649,50    |
| F                                                                             | Harga Satuan Pekerjaan (D+E)                           |      |        |           |                 | Rp 464.979,50   |

| PEKERJAAN PENUTUP DINDING LAINNYA |                                                                       |      |        |           |                 |                 |
|-----------------------------------|-----------------------------------------------------------------------|------|--------|-----------|-----------------|-----------------|
| 3.10.5.2                          | Pemasangan 1 m2 dinding pemisah plywood rangkap, rangka kayu kelas II |      |        |           |                 |                 |
|                                   | Uraian                                                                | Kode | Satuan | Koefisien | HargaSatuan(Rp) | JumlahHarga(Rp) |
| A                                 | Tenaga Kerja                                                          |      |        |           |                 |                 |
|                                   | Pekerja                                                               | L.01 | OH     | 0,150     | Rp 178.000,00   | Rp 26.700,00    |
|                                   | Tukang kayu                                                           | L.02 | OH     | 0,450     | Rp 183.000,00   | Rp 82.350,00    |
|                                   | Kepala Tukang                                                         | L.03 | OH     | 0,045     | Rp 210.000,00   | Rp 9.450,00     |
|                                   | Mandor                                                                | L.04 | OH     | 0,0150    | Rp 262.000,00   | Rp 3.930,00     |
| Jumlah Harga Tenaga Kerja         |                                                                       |      |        |           |                 | Rp 122.430,00   |
| B                                 | Bahan                                                                 |      |        |           |                 |                 |
|                                   | Balok kayu 5x10                                                       |      | m3     | 0,028     | Rp 3.500.000,00 | Rp 98.000,00    |
|                                   | Paku 5-10 cm                                                          |      | kg     | 0,150     | Rp 24.000,00    | Rp 3.600,00     |
|                                   | Plywood 120x240 6mm                                                   |      | lembar | 0,860     | Rp 189.000,00   | Rp 162.540,00   |
|                                   | Lem Kayu                                                              |      | kg     | 0,560     | Rp 12.500,00    | Rp 7.000,00     |
| Jumlah Harga Bahan                |                                                                       |      |        |           |                 | Rp 271.140,00   |
| C                                 | Peralatan                                                             |      |        |           |                 |                 |
| Jumlah Harga Alat                 |                                                                       |      |        |           |                 |                 |
| D                                 | Jumlah Harga Tenaga Kerja, Bahan dan Peralatan (A+B+C)                |      |        |           |                 | Rp 393.570,00   |
| E                                 | Biaya Umum dan Keuntungan (10% - 15%) x D                             |      |        |           | 15% x D         | Rp 59.035,50    |
| F                                 | Harga Satuan Pekerjaan (D+E)                                          |      |        |           |                 | Rp 452.605,50   |
|                                   |                                                                       |      |        |           |                 |                 |
| PEKERJAAN PINTU DAN JENDELA       |                                                                       |      |        |           |                 |                 |
| 3.11.1.9                          | Pembuatan 1 m2 pintu dan jendela kaca ( kayu kelas I atau II )        |      |        |           |                 |                 |
|                                   | Uraian                                                                | Kode | Satuan | Koefisien | HargaSatuan(Rp) | JumlahHarga(Rp) |
| A                                 | Tenaga Kerja                                                          |      |        |           |                 |                 |
|                                   | Pekerja                                                               | L.01 | OH     | 0,595     | Rp 178.000,00   | Rp 105.945,60   |
|                                   | Tukang kayu                                                           | L.02 | OH     | 0,298     | Rp 183.000,00   | Rp 54.460,80    |
|                                   | Kepala Tukang                                                         | L.03 | OH     | 0,0298    | Rp 210.000,00   | Rp 6.258,00     |
|                                   | Mandor                                                                | L.04 | OH     | 0,0099    | Rp 262.000,00   | Rp 2.593,80     |
| Jumlah Harga Tenaga Kerja         |                                                                       |      |        |           |                 | Rp 169.258,20   |
| B                                 | Bahan                                                                 |      |        |           |                 |                 |
|                                   | Papan kayu kelas II ( benuas )                                        |      | m3     | 0,024     | Rp 6.825.000,00 | Rp 163.800,00   |
|                                   | Lem Kayu                                                              |      | kg     | 0,300     | Rp 12.500,00    | Rp 3.750,00     |
| Jumlah Harga Bahan                |                                                                       |      |        |           |                 | Rp 167.550,00   |
| C                                 | Peralatan                                                             |      |        |           |                 |                 |
| Jumlah Harga Alat                 |                                                                       |      |        |           |                 |                 |
| D                                 | Jumlah Harga Tenaga Kerja, Bahan dan Peralatan (A+B+C)                |      |        |           |                 | Rp 336.808,20   |
| E                                 | Biaya Umum dan Keuntungan (10% - 15%) x D                             |      |        |           | 15% x D         | Rp 50.521,23    |
| F                                 | Harga Satuan Pekerjaan (D+E)                                          |      |        |           |                 | Rp 387.329,43   |
|                                   |                                                                       |      |        |           |                 |                 |
| 3.11.1.10                         | Pembuatan 1 m2 pintu dan jendela jalusi kayu ( kayu kelas I atau II ) |      |        |           |                 |                 |
|                                   | Uraian                                                                | Kode | Satuan | Koefisien | HargaSatuan(Rp) | JumlahHarga(Rp) |
| A                                 | Tenaga Kerja                                                          |      |        |           |                 |                 |
|                                   | Pekerja                                                               | L.01 | OH     | 1,000     | Rp 178.000,00   | Rp 178.000,00   |
|                                   | Tukang kayu                                                           | L.02 | OH     | 3,000     | Rp 183.000,00   | Rp 549.000,00   |
|                                   | Kepala Tukang                                                         | L.03 | OH     | 0,3000    | Rp 210.000,00   | Rp 63.000,00    |
|                                   | Mandor                                                                | L.04 | OH     | 0,1000    | Rp 262.000,00   | Rp 26.200,00    |
| Jumlah Harga Tenaga Kerja         |                                                                       |      |        |           |                 | Rp 816.200,00   |
| B                                 | Bahan                                                                 |      |        |           |                 |                 |
|                                   | Papan kayu kelas II (benuas)                                          |      | m3     | 0,064     | Rp 6.825.000,00 | Rp 436.800,00   |
|                                   | Lem Kayu                                                              |      | kg     | 0,500     | Rp 12.500,00    | Rp 6.250,00     |
| Jumlah Harga Bahan                |                                                                       |      |        |           |                 | Rp 443.050,00   |
| C                                 | Peralatan                                                             |      |        |           |                 |                 |
| Jumlah Harga Alat                 |                                                                       |      |        |           |                 |                 |
| D                                 | Jumlah Harga Tenaga Kerja, Bahan dan Peralatan (A+B+C)                |      |        |           |                 | Rp 1.259.250,00 |
| E                                 | Biaya Umum dan Keuntungan (10% - 15%) x D                             |      |        |           | 15% x D         | Rp 188.887,50   |
| F                                 | Harga Satuan Pekerjaan (D+E)                                          |      |        |           |                 | Rp 1.448.137,50 |

|                             |                                                                                  |      |        |           |                 |                 |
|-----------------------------|----------------------------------------------------------------------------------|------|--------|-----------|-----------------|-----------------|
| 3.11.1.11                   | Pembuatan 1 m2 daun pintu panel ( kayu kelas I atau II )                         |      |        |           |                 |                 |
| 3.11.1.11a                  | Pembuatan 1 m2 daun pintu panel ( kayu kelas II )                                |      |        |           |                 |                 |
|                             | Uraian                                                                           | Kode | Satuan | Koefisien | HargaSatuan(Rp) | JumlahHarga(Rp) |
| A                           | Tenaga Kerja                                                                     |      |        |           |                 |                 |
|                             | Pekerja                                                                          | L.01 | OH     | 1,000     | Rp 178.000,00   | Rp 178.000,00   |
|                             | Tukang kayu                                                                      | L.02 | OH     | 3,000     | Rp 183.000,00   | Rp 549.000,00   |
|                             | Kepala Tukang                                                                    | L.03 | OH     | 0,3000    | Rp 210.000,00   | Rp 63.000,00    |
|                             | Mandor                                                                           | L.04 | OH     | 0,1000    | Rp 262.000,00   | Rp 26.200,00    |
| Jumlah Harga Tenaga Kerja   |                                                                                  |      |        |           |                 | Rp 816.200,00   |
| B                           | Bahan                                                                            |      |        |           |                 |                 |
|                             | Papan kayu benuas                                                                |      | m3     | 0,040     | Rp 6.825.000,00 | Rp 273.000,00   |
|                             | Lem Kayu                                                                         |      | kg     | 0,500     | Rp 12.500,00    | Rp 6.250,00     |
| Jumlah Harga Bahan          |                                                                                  |      |        |           |                 | Rp 279.250,00   |
| C                           | Peralatan                                                                        |      |        |           |                 |                 |
| Jumlah Harga Alat           |                                                                                  |      |        |           |                 |                 |
| D                           | Jumlah Harga Tenaga Kerja, Bahan dan Peralatan (A+B+C)                           |      |        |           |                 | Rp 1.095.450,00 |
| E                           | Biaya Umum dan Keuntungan (10% - 15%) x D                                        |      |        |           | 15% x D         | Rp 164.317,50   |
| F                           | Harga Satuan Pekerjaan (D+E)                                                     |      |        |           |                 | Rp 1.259.767,50 |
|                             |                                                                                  |      |        |           |                 |                 |
| 3.11.1.11b                  | Pembuatan 1 m2 daun pintu panel ( kayu kelas II )                                |      |        |           |                 |                 |
|                             | Uraian                                                                           | Kode | Satuan | Koefisien | HargaSatuan(Rp) | JumlahHarga(Rp) |
| A                           | Tenaga Kerja                                                                     |      |        |           |                 |                 |
|                             | Pekerja                                                                          | L.01 | OH     | 1,000     | Rp 178.000,00   | Rp 178.000,00   |
|                             | Tukang kayu                                                                      | L.02 | OH     | 3,000     | Rp 183.000,00   | Rp 549.000,00   |
|                             | Kepala Tukang                                                                    | L.03 | OH     | 0,3000    | Rp 210.000,00   | Rp 63.000,00    |
|                             | Mandor                                                                           | L.04 | OH     | 0,1000    | Rp 262.000,00   | Rp 26.200,00    |
| Jumlah Harga Tenaga Kerja   |                                                                                  |      |        |           |                 | Rp 816.200,00   |
| B                           | Bahan                                                                            |      |        |           |                 |                 |
|                             | Papan kayu meranti                                                               |      | m3     | 0,040     | Rp 4.200.000,00 | Rp 168.000,00   |
|                             | Lem Kayu                                                                         |      | kg     | 0,500     | Rp 12.500,00    | Rp 6.250,00     |
| Jumlah Harga Bahan          |                                                                                  |      |        |           |                 | Rp 174.250,00   |
| C                           | Peralatan                                                                        |      |        |           |                 |                 |
| Jumlah Harga Alat           |                                                                                  |      |        |           |                 |                 |
| D                           | Jumlah Harga Tenaga Kerja, Bahan dan Peralatan (A+B+C)                           |      |        |           |                 | Rp 990.450,00   |
| E                           | Biaya Umum dan Keuntungan (10% - 15%) x D                                        |      |        |           | 15% x D         | Rp 148.567,50   |
| F                           | Harga Satuan Pekerjaan (D+E)                                                     |      |        |           |                 | Rp 1.139.017,50 |
|                             |                                                                                  |      |        |           |                 |                 |
| PEKERJAAN PINTU DAN JENDELA |                                                                                  |      |        |           |                 |                 |
| 3.11.3.2                    | Pembuatan dan pemasangan 1m' kusen pintu dan jendela kayu kelas I ukuran 6x12 cm |      |        |           |                 |                 |
|                             | Uraian                                                                           | Kode | Satuan | Koefisien | HargaSatuan(Rp) | JumlahHarga(Rp) |
| A                           | Tenaga Kerja                                                                     |      |        |           |                 |                 |
|                             | Pekerja                                                                          | L.01 | OH     | 0,286     | Rp 178.000,00   | Rp 50.854,60    |
|                             | Tukang kayu                                                                      | L.02 | OH     | 0,143     | Rp 183.000,00   | Rp 26.150,70    |
|                             | Kepala Tukang                                                                    | L.03 | OH     | 0,0143    | Rp 210.000,00   | Rp 3.003,00     |
|                             | Mandor                                                                           | L.04 | OH     | 0,0048    | Rp 262.000,00   | Rp 1.257,60     |
| Jumlah Harga Tenaga Kerja   |                                                                                  |      |        |           |                 | Rp 81.265,90    |
| B                           | Bahan                                                                            |      |        |           |                 |                 |
|                             | Balok kayu 6x12 cm                                                               |      | m3     | 0,0086    | Rp 8.925.000,00 | Rp 76.755,00    |
|                             | Paku 10cm                                                                        |      | kg     | 0,128     | Rp 24.000,00    | Rp 3.062,40     |
|                             | Lem kayu                                                                         |      | kg     | 1,000     | Rp 12.500,00    | Rp 12.500,00    |
| Jumlah Harga Bahan          |                                                                                  |      |        |           |                 | Rp 92.317,40    |
| C                           | Peralatan                                                                        |      |        |           |                 |                 |
| Jumlah Harga Alat           |                                                                                  |      |        |           |                 |                 |
| D                           | Jumlah Harga Tenaga Kerja, Bahan dan Peralatan (A+B+C)                           |      |        |           |                 | Rp 173.583,30   |
| E                           | Biaya Umum dan Keuntungan (10% - 15%) x D                                        |      |        |           | 15% x D         | Rp 26.037,50    |
| F                           | Harga Satuan Pekerjaan (D+E)                                                     |      |        |           |                 | Rp 199.620,80   |

|                                                                                                               |                                                        |      |        |           |                 |                 |
|---------------------------------------------------------------------------------------------------------------|--------------------------------------------------------|------|--------|-----------|-----------------|-----------------|
| 3.11.3.2a Pembuatan dan pemasangan 1m' kusen pintu dan jendela kayu kelas II ukuran 5x10 cm (Belum Finishing) |                                                        |      |        |           |                 |                 |
|                                                                                                               | Uraian                                                 | Kode | Satuan | Koefisien | HargaSatuan(Rp) | JumlahHarga(Rp) |
| A                                                                                                             | Tenaga Kerja                                           |      |        |           |                 |                 |
|                                                                                                               | Pekerja                                                | L.01 | OH     | 0,286     | Rp 178.000,00   | Rp 50.854,60    |
|                                                                                                               | Tukang kayu                                            | L.02 | OH     | 0,143     | Rp 183.000,00   | Rp 26.150,70    |
|                                                                                                               | Kepala Tukang                                          | L.03 | OH     | 0,0143    | Rp 210.000,00   | Rp 3.003,00     |
|                                                                                                               | Mandor                                                 | L.04 | OH     | 0,0048    | Rp 262.000,00   | Rp 1.257,60     |
| Jumlah Harga Tenaga Kerja                                                                                     |                                                        |      |        |           |                 | Rp 81.265,90    |
| B                                                                                                             | Bahan                                                  |      |        |           |                 |                 |
|                                                                                                               | Balok kayu 5x10 cm                                     |      | m3     | 0,0060    | Rp 8.925.000,00 | Rp 53.550,00    |
|                                                                                                               | Paku 10cm                                              |      | kg     | 0,128     | Rp 24.000,00    | Rp 3.062,40     |
|                                                                                                               | Lem kayu                                               |      | kg     | 1,000     | Rp 12.500,00    | Rp 12.500,00    |
| Jumlah Harga Bahan                                                                                            |                                                        |      |        |           |                 | Rp 69.112,40    |
| C                                                                                                             | Peralatan                                              |      |        |           |                 |                 |
| Jumlah Harga Alat                                                                                             |                                                        |      |        |           |                 |                 |
| D                                                                                                             | Jumlah Harga Tenaga Kerja, Bahan dan Peralatan (A+B+C) |      |        |           |                 | Rp 150.378,30   |
| E                                                                                                             | Biaya Umum dan Keuntungan (10% - 15%) x D              |      |        |           | 15% x D         | Rp 22.556,75    |
| F                                                                                                             | Harga Satuan Pekerjaan (D+E)                           |      |        |           |                 | Rp 172.935,05   |
| 3.11.3.6 Pembuatan dan pemasangan 1 m2 jalusi kusen kayu kelas I atau II                                      |                                                        |      |        |           |                 |                 |
|                                                                                                               | Uraian                                                 | Kode | Satuan | Koefisien | HargaSatuan(Rp) | JumlahHarga(Rp) |
| A                                                                                                             | Tenaga Kerja                                           |      |        |           |                 |                 |
|                                                                                                               | Pekerja                                                | L.01 | OH     | 0,670     | Rp 178.000,00   | Rp 119.260,00   |
|                                                                                                               | Tukang kayu                                            | L.02 | OH     | 2,000     | Rp 183.000,00   | Rp 366.000,00   |
|                                                                                                               | Kepala Tukang                                          | L.03 | OH     | 0,2000    | Rp 210.000,00   | Rp 42.000,00    |
|                                                                                                               | Mandor                                                 | L.04 | OH     | 0,0667    | Rp 262.000,00   | Rp 17.475,40    |
| Jumlah Harga Tenaga Kerja                                                                                     |                                                        |      |        |           |                 | Rp 544.735,40   |
| B                                                                                                             | Bahan                                                  |      |        |           |                 |                 |
|                                                                                                               | Papan kayu kelas II (meranti)                          |      | m3     | 0,0600    | Rp 3.500.000,00 | Rp 210.000,00   |
|                                                                                                               | Paku 1-2,5cm                                           |      | kg     | 0,1500    | Rp 24.000,00    | Rp 3.600,00     |
| Jumlah Harga Bahan                                                                                            |                                                        |      |        |           |                 | Rp 213.600,00   |
| C                                                                                                             | Peralatan                                              |      |        |           |                 |                 |
| Jumlah Harga Alat                                                                                             |                                                        |      |        |           |                 |                 |
| D                                                                                                             | Jumlah Harga Tenaga Kerja, Bahan dan Peralatan (A+B+C) |      |        |           |                 | Rp 758.335,40   |
| E                                                                                                             | Biaya Umum dan Keuntungan (10% - 15%) x D              |      |        |           | 15% x D         | Rp 113.750,31   |
| F                                                                                                             | Harga Satuan Pekerjaan (D+E)                           |      |        |           |                 | Rp 872.085,71   |
| AKSESORIS PINTU DAN JENDELA                                                                                   |                                                        |      |        |           |                 |                 |
| 3.11.4.2 Pemasangan 1 buah kunci tanam biasa                                                                  |                                                        |      |        |           |                 |                 |
|                                                                                                               | Uraian                                                 | Kode | Satuan | Koefisien | HargaSatuan(Rp) | JumlahHarga(Rp) |
| A                                                                                                             | Tenaga Kerja                                           |      |        |           |                 |                 |
|                                                                                                               | Pekerja                                                | L.01 | OH     | 0,010     | Rp 178.000,00   | Rp 1.780,00     |
|                                                                                                               | Tukang kayu                                            | L.02 | OH     | 0,500     | Rp 183.000,00   | Rp 91.500,00    |
|                                                                                                               | Kepala Tukang                                          | L.03 | OH     | 0,0500    | Rp 210.000,00   | Rp 10.500,00    |
|                                                                                                               | Mandor                                                 | L.04 | OH     | 0,0170    | Rp 262.000,00   | Rp 4.454,00     |
| Jumlah Harga Tenaga Kerja                                                                                     |                                                        |      |        |           |                 | Rp 108.234,00   |
| B                                                                                                             | Bahan                                                  |      |        |           |                 |                 |
|                                                                                                               | Kunci tanam biasa                                      |      | buah   | 1,0000    | Rp 135.000,00   | Rp 135.000,00   |
| Jumlah Harga Bahan                                                                                            |                                                        |      |        |           |                 | Rp 135.000,00   |
| C                                                                                                             | Peralatan                                              |      |        |           |                 |                 |
| Jumlah Harga Alat                                                                                             |                                                        |      |        |           |                 |                 |
| D                                                                                                             | Jumlah Harga Tenaga Kerja, Bahan dan Peralatan (A+B+C) |      |        |           |                 | Rp 243.234,00   |
| E                                                                                                             | Biaya Umum dan Keuntungan (10% - 15%) x D              |      |        |           | 15% x D         | Rp 36.485,10    |
| F                                                                                                             | Harga Satuan Pekerjaan (D+E)                           |      |        |           |                 | Rp 279.719,10   |

|                                                    |                                                        |      |        |           |                 |                 |
|----------------------------------------------------|--------------------------------------------------------|------|--------|-----------|-----------------|-----------------|
| 3.11.4.3 Pemasangan 1 buah kunci tanam kamar mandi |                                                        |      |        |           |                 |                 |
|                                                    | Uraian                                                 | Kode | Satuan | Koefisien | HargaSatuan(Rp) | JumlahHarga(Rp) |
| A                                                  | Tenaga Kerja                                           |      |        |           |                 |                 |
|                                                    | Pekerja                                                | L.01 | OH     | 0,005     | Rp 178.000,00   | Rp 890,00       |
|                                                    | Tukang kayu                                            | L.02 | OH     | 0,500     | Rp 183.000,00   | Rp 91.500,00    |
|                                                    | Kepala Tukang                                          | L.03 | OH     | 0,0500    | Rp 210.000,00   | Rp 10.500,00    |
|                                                    | Mandor                                                 | L.04 | OH     | 0,0170    | Rp 262.000,00   | Rp 4.454,00     |
| Jumlah Harga Tenaga Kerja                          |                                                        |      |        |           |                 | Rp 107.344,00   |
| B                                                  | Bahan                                                  |      |        |           |                 |                 |
|                                                    | Kunci tanam kamar mandi                                |      | buah   | 1,0000    | Rp 135.000,00   | Rp 135.000,00   |
| Jumlah Harga Bahan                                 |                                                        |      |        |           |                 | Rp 135.000,00   |
| C                                                  | Peralatan                                              |      |        |           |                 |                 |
| Jumlah Harga Alat                                  |                                                        |      |        |           |                 |                 |
| D                                                  | Jumlah Harga Tenaga Kerja, Bahan dan Peralatan (A+B+C) |      |        |           |                 | Rp 242.344,00   |
| E                                                  | Biaya Umum dan Keuntungan (10% - 15%) x D              |      |        |           | 15% x D         | Rp 36.351,60    |
| F                                                  | Harga Satuan Pekerjaan (D+E)                           |      |        |           |                 | Rp 278.695,60   |
| 3.11.4.5.a Pemasangan 1 buah engsel pintu          |                                                        |      |        |           |                 |                 |
|                                                    | Uraian                                                 | Kode | Satuan | Koefisien | HargaSatuan(Rp) | JumlahHarga(Rp) |
| A                                                  | Tenaga Kerja                                           |      |        |           |                 |                 |
|                                                    | Pekerja                                                | L.01 | OH     | 0,015     | Rp 178.000,00   | Rp 2.670,00     |
|                                                    | Tukang kayu                                            | L.02 | OH     | 0,150     | Rp 183.000,00   | Rp 27.450,00    |
|                                                    | Kepala Tukang                                          | L.03 | OH     | 0,0150    | Rp 210.000,00   | Rp 3.150,00     |
|                                                    | Mandor                                                 | L.04 | OH     | 0,0050    | Rp 262.000,00   | Rp 1.310,00     |
| Jumlah Harga Tenaga Kerja                          |                                                        |      |        |           |                 | Rp 34.580,00    |
| B                                                  | Bahan                                                  |      |        |           |                 |                 |
|                                                    | Engsel pintu                                           |      | buah   | 1,0000    | Rp 17.500,00    | Rp 17.500,00    |
| Jumlah Harga Bahan                                 |                                                        |      |        |           |                 | Rp 17.500,00    |
| C                                                  | Peralatan                                              |      |        |           |                 |                 |
| Jumlah Harga Alat                                  |                                                        |      |        |           |                 |                 |
| D                                                  | Jumlah Harga Tenaga Kerja, Bahan dan Peralatan (A+B+C) |      |        |           |                 | Rp 52.080,00    |
| E                                                  | Biaya Umum dan Keuntungan (10% - 15%) x D              |      |        |           | 15% x D         | Rp 7.812,00     |
| F                                                  | Harga Satuan Pekerjaan (D+E)                           |      |        |           |                 | Rp 59.892,00    |
| 3.11.4.5.b Pemasangan 1 buah engsel jendela        |                                                        |      |        |           |                 |                 |
|                                                    | Uraian                                                 | Kode | Satuan | Koefisien | HargaSatuan(Rp) | JumlahHarga(Rp) |
| A                                                  | Tenaga Kerja                                           |      |        |           |                 |                 |
|                                                    | Pekerja                                                | L.01 | OH     | 0,015     | Rp 178.000,00   | Rp 2.670,00     |
|                                                    | Tukang kayu                                            | L.02 | OH     | 0,150     | Rp 183.000,00   | Rp 27.450,00    |
|                                                    | Kepala Tukang                                          | L.03 | OH     | 0,0150    | Rp 210.000,00   | Rp 3.150,00     |
|                                                    | Mandor                                                 | L.04 | OH     | 0,0050    | Rp 262.000,00   | Rp 1.310,00     |
| Jumlah Harga Tenaga Kerja                          |                                                        |      |        |           |                 | Rp 34.580,00    |
| B                                                  | Bahan                                                  |      |        |           |                 |                 |
|                                                    | Engsel jendela                                         |      | buah   | 1,0000    | Rp 12.500,00    | Rp 12.500,00    |
| Jumlah Harga Bahan                                 |                                                        |      |        |           |                 | Rp 12.500,00    |
| C                                                  | Peralatan                                              |      |        |           |                 |                 |
| Jumlah Harga Alat                                  |                                                        |      |        |           |                 |                 |
| D                                                  | Jumlah Harga Tenaga Kerja, Bahan dan Peralatan (A+B+C) |      |        |           |                 | Rp 47.080,00    |
| E                                                  | Biaya Umum dan Keuntungan (10% - 15%) x D              |      |        |           | 15% x D         | Rp 7.062,00     |
| F                                                  | Harga Satuan Pekerjaan (D+E)                           |      |        |           |                 | Rp 54.142,00    |
| 3.11.4.10 Pemasangan 1 buah rel pintu dorong       |                                                        |      |        |           |                 |                 |
|                                                    | Uraian                                                 | Kode | Satuan | Koefisien | HargaSatuan(Rp) | JumlahHarga(Rp) |
| A                                                  | Tenaga Kerja                                           |      |        |           |                 |                 |
|                                                    | Pekerja                                                | L.01 | OH     | 0,060     | Rp 178.000,00   | Rp 10.680,00    |
|                                                    | Tukang kayu                                            | L.02 | OH     | 0,600     | Rp 183.000,00   | Rp 109.800,00   |
|                                                    | Kepala Tukang                                          | L.03 | OH     | 0,0600    | Rp 210.000,00   | Rp 12.600,00    |
|                                                    | Mandor                                                 | L.04 | OH     | 0,0200    | Rp 262.000,00   | Rp 5.240,00     |
| Jumlah Harga Tenaga Kerja                          |                                                        |      |        |           |                 | Rp 138.320,00   |
| B                                                  | Bahan                                                  |      |        |           |                 |                 |
|                                                    | Rel pintu dorong + perlengkapan                        |      | buah   | 1,0000    | Rp 450.000,00   | Rp 450.000,00   |
| Jumlah Harga Bahan                                 |                                                        |      |        |           |                 | Rp 450.000,00   |
| C                                                  | Peralatan                                              |      |        |           |                 |                 |
| Jumlah Harga Alat                                  |                                                        |      |        |           |                 |                 |
| D                                                  | Jumlah Harga Tenaga Kerja, Bahan dan Peralatan (A+B+C) |      |        |           |                 | Rp 588.320,00   |
| E                                                  | Biaya Umum dan Keuntungan (10% - 15%) x D              |      |        |           | 15% x D         | Rp 88.248,00    |
| F                                                  | Harga Satuan Pekerjaan (D+E)                           |      |        |           |                 | Rp 676.568,00   |

|                                                       |                                                        |      |        |           |                 |                 |
|-------------------------------------------------------|--------------------------------------------------------|------|--------|-----------|-----------------|-----------------|
| 3.11.4.16 Pemasangan 1 buah engsel angin              |                                                        |      |        |           |                 |                 |
|                                                       | Uraian                                                 | Kode | Satuan | Koefisien | HargaSatuan(Rp) | JumlahHarga(Rp) |
| A                                                     | Tenaga Kerja                                           |      |        |           |                 |                 |
|                                                       | Pekerja                                                | L.01 | OH     | 0,100     | Rp 178.000,00   | Rp 17.800,00    |
|                                                       | Tukang Kayu                                            | L.02 | OH     | 0,200     | Rp 183.000,00   | Rp 36.600,00    |
|                                                       | Kepala Tukang                                          | L.03 | OH     | 0,0200    | Rp 210.000,00   | Rp 4.200,00     |
|                                                       | Mandor                                                 | L.04 | OH     | 0,0067    | Rp 262.000,00   | Rp 1.755,40     |
| Jumlah Harga Tenaga Kerja                             |                                                        |      |        |           |                 | Rp 60.355,40    |
| B                                                     | Bahan                                                  |      |        |           |                 |                 |
|                                                       | Engsel angin                                           |      | buah   | 1,0000    | Rp 25.000,00    | Rp 25.000,00    |
| Jumlah Harga Bahan                                    |                                                        |      |        |           |                 | Rp 25.000,00    |
| C                                                     | Peralatan                                              |      |        |           |                 |                 |
|                                                       | Jumlah Harga Alat                                      |      |        |           |                 |                 |
| D                                                     | Jumlah Harga Tenaga Kerja, Bahan dan Peralatan (A+B+C) |      |        |           |                 | Rp 85.355,40    |
| E                                                     | Biaya Umum dan Keuntungan (10% - 15%) x D              |      |        |           | 15% x D         | Rp 12.803,31    |
| F                                                     | Harga Satuan Pekerjaan (D+E)                           |      |        |           |                 | Rp 98.158,71    |
| 3.11.4.17 Pemasangan 1 buah spring knip untuk jendela |                                                        |      |        |           |                 |                 |
|                                                       | Uraian                                                 | Kode | Satuan | Koefisien | HargaSatuan(Rp) | JumlahHarga(Rp) |
| A                                                     | Tenaga Kerja                                           |      |        |           |                 |                 |
|                                                       | Pekerja                                                | L.01 | OH     | 0,015     | Rp 178.000,00   | Rp 2.670,00     |
|                                                       | Tukang Kayu                                            | L.02 | OH     | 0,150     | Rp 183.000,00   | Rp 27.450,00    |
|                                                       | Kepala Tukang                                          | L.03 | OH     | 0,0150    | Rp 210.000,00   | Rp 3.150,00     |
|                                                       | Mandor                                                 | L.04 | OH     | 0,0050    | Rp 262.000,00   | Rp 1.310,00     |
| Jumlah Harga Tenaga Kerja                             |                                                        |      |        |           |                 | Rp 34.580,00    |
| B                                                     | Bahan                                                  |      |        |           |                 |                 |
|                                                       | Spring knip                                            |      | buah   | 1,0000    | Rp 35.000,00    | Rp 35.000,00    |
| Jumlah Harga Bahan                                    |                                                        |      |        |           |                 | Rp 35.000,00    |
| C                                                     | Peralatan                                              |      |        |           |                 |                 |
|                                                       | Jumlah Harga Alat                                      |      |        |           |                 |                 |
| D                                                     | Jumlah Harga Tenaga Kerja, Bahan dan Peralatan (A+B+C) |      |        |           |                 | Rp 69.580,00    |
| E                                                     | Biaya Umum dan Keuntungan (10% - 15%) x D              |      |        |           | 15% x D         | Rp 10.437,00    |
| F                                                     | Harga Satuan Pekerjaan (D+E)                           |      |        |           |                 | Rp 80.017,00    |
| 3.11.4.18 Pemasangan 1 buah kait angin                |                                                        |      |        |           |                 |                 |
|                                                       | Uraian                                                 | Kode | Satuan | Koefisien | HargaSatuan(Rp) | JumlahHarga(Rp) |
| A                                                     | Tenaga Kerja                                           |      |        |           |                 |                 |
|                                                       | Pekerja                                                | L.01 | OH     | 0,015     | Rp 178.000,00   | Rp 2.670,00     |
|                                                       | Tukang Kayu                                            | L.02 | OH     | 0,150     | Rp 183.000,00   | Rp 27.450,00    |
|                                                       | Kepala Tukang                                          | L.03 | OH     | 0,0150    | Rp 210.000,00   | Rp 3.150,00     |
|                                                       | Mandor                                                 | L.04 | OH     | 0,0050    | Rp 262.000,00   | Rp 1.310,00     |
| Jumlah Harga Tenaga Kerja                             |                                                        |      |        |           |                 | Rp 34.580,00    |
| B                                                     | Bahan                                                  |      |        |           |                 |                 |
|                                                       | Kait angin                                             |      | buah   | 1,0000    | Rp 25.000,00    | Rp 25.000,00    |
| Jumlah Harga Bahan                                    |                                                        |      |        |           |                 | Rp 25.000,00    |
| C                                                     | Peralatan                                              |      |        |           |                 |                 |
|                                                       | Jumlah Harga Alat                                      |      |        |           |                 |                 |
| D                                                     | Jumlah Harga Tenaga Kerja, Bahan dan Peralatan (A+B+C) |      |        |           |                 | Rp 59.580,00    |
| E                                                     | Biaya Umum dan Keuntungan (10% - 15%) x D              |      |        |           | 15% x D         | Rp 8.937,00     |
| F                                                     | Harga Satuan Pekerjaan (D+E)                           |      |        |           |                 | Rp 68.517,00    |

|                                              |                                                        |      |        |           |                 |                 |
|----------------------------------------------|--------------------------------------------------------|------|--------|-----------|-----------------|-----------------|
| 3.11.4.20a Pemasangan 1 buah grendel Pintu   |                                                        |      |        |           |                 |                 |
|                                              | Uraian                                                 | Kode | Satuan | Koefisien | HargaSatuan(Rp) | JumlahHarga(Rp) |
| A                                            | Tenaga Kerja                                           |      |        |           |                 |                 |
|                                              | Pekerja                                                | L.01 | OH     | 0,015     | Rp 178.000,00   | Rp 2.670,00     |
|                                              | Tukang Kayu                                            | L.02 | OH     | 0,150     | Rp 183.000,00   | Rp 27.450,00    |
|                                              | Kepala Tukang                                          | L.03 | OH     | 0,0150    | Rp 210.000,00   | Rp 3.150,00     |
|                                              | Mandor                                                 | L.04 | OH     | 0,0050    | Rp 262.000,00   | Rp 1.310,00     |
| Jumlah Harga Tenaga Kerja                    |                                                        |      |        |           |                 | Rp 34.580,00    |
| B                                            | Bahan                                                  |      |        |           |                 |                 |
|                                              | Grendel 4"                                             |      | buah   | 1,0000    | Rp 15.000,00    | Rp 15.000,00    |
| Jumlah Harga Bahan                           |                                                        |      |        |           |                 | Rp 15.000,00    |
| C                                            | Peralatan                                              |      |        |           |                 |                 |
|                                              | Jumlah Harga Alat                                      |      |        |           |                 |                 |
| D                                            | Jumlah Harga Tenaga Kerja, Bahan dan Peralatan (A+B+C) |      |        |           |                 | Rp 49.580,00    |
| E                                            | Biaya Umum dan Keuntungan (10% - 15%) x D              |      |        |           | 15% x D         | Rp 7.437,00     |
| F                                            | Harga Satuan Pekerjaan (D+E)                           |      |        |           |                 | Rp 57.017,00    |
| 3.11.4.20b Pemasangan 1 buah grendel Jendela |                                                        |      |        |           |                 |                 |
|                                              | Uraian                                                 | Kode | Satuan | Koefisien | HargaSatuan(Rp) | JumlahHarga(Rp) |
| A                                            | Tenaga Kerja                                           |      |        |           |                 |                 |
|                                              | Pekerja                                                | L.01 | OH     | 0,015     | Rp 178.000,00   | Rp 2.670,00     |
|                                              | Tukang Kayu                                            | L.02 | OH     | 0,150     | Rp 183.000,00   | Rp 27.450,00    |
|                                              | Kepala Tukang                                          | L.03 | OH     | 0,0150    | Rp 210.000,00   | Rp 3.150,00     |
|                                              | Mandor                                                 | L.04 | OH     | 0,0050    | Rp 262.000,00   | Rp 1.310,00     |
| Jumlah Harga Tenaga Kerja                    |                                                        |      |        |           |                 | Rp 34.580,00    |
| B                                            | Bahan                                                  |      |        |           |                 |                 |
|                                              | Grendel 4"                                             |      | buah   | 1,0000    | Rp 10.000,00    | Rp 10.000,00    |
| Jumlah Harga Bahan                           |                                                        |      |        |           |                 | Rp 10.000,00    |
| C                                            | Peralatan                                              |      |        |           |                 |                 |
|                                              | Jumlah Harga Alat                                      |      |        |           |                 |                 |
| D                                            | Jumlah Harga Tenaga Kerja, Bahan dan Peralatan (A+B+C) |      |        |           |                 | Rp 44.580,00    |
| E                                            | Biaya Umum dan Keuntungan (10% - 15%) x D              |      |        |           | 15% x D         | Rp 6.687,00     |
| F                                            | Harga Satuan Pekerjaan (D+E)                           |      |        |           |                 | Rp 51.267,00    |
| 3.11.4.21 Pemasangan 1 buah grendel tanam    |                                                        |      |        |           |                 |                 |
|                                              | Uraian                                                 | Kode | Satuan | Koefisien | HargaSatuan(Rp) | JumlahHarga(Rp) |
| A                                            | Tenaga Kerja                                           |      |        |           |                 |                 |
|                                              | Pekerja                                                | L.01 | OH     | 0,023     | Rp 178.000,00   | Rp 4.005,00     |
|                                              | Tukang Kayu                                            | L.02 | OH     | 0,225     | Rp 183.000,00   | Rp 41.175,00    |
|                                              | Kepala Tukang                                          | L.03 | OH     | 0,0225    | Rp 210.000,00   | Rp 4.725,00     |
|                                              | Mandor                                                 | L.04 | OH     | 0,0075    | Rp 262.000,00   | Rp 1.965,00     |
| Jumlah Harga Tenaga Kerja                    |                                                        |      |        |           |                 | Rp 51.870,00    |
| B                                            | Bahan                                                  |      |        |           |                 |                 |
|                                              | Grendel tanam                                          |      | buah   | 1,0000    | Rp 110.000,00   | Rp 110.000,00   |
| Jumlah Harga Bahan                           |                                                        |      |        |           |                 | Rp 110.000,00   |
| C                                            | Peralatan                                              |      |        |           |                 |                 |
|                                              | Jumlah Harga Alat                                      |      |        |           |                 |                 |
| D                                            | Jumlah Harga Tenaga Kerja, Bahan dan Peralatan (A+B+C) |      |        |           |                 | Rp 161.870,00   |
| E                                            | Biaya Umum dan Keuntungan (10% - 15%) x D              |      |        |           | 15% x D         | Rp 24.280,50    |
| F                                            | Harga Satuan Pekerjaan (D+E)                           |      |        |           |                 | Rp 186.150,50   |
| PEKERJAAN KACA                               |                                                        |      |        |           |                 |                 |
| 3.12.3 Pemasangan 1 m2 kaca polos tebal 5mm  |                                                        |      |        |           |                 |                 |
|                                              | Uraian                                                 | Kode | Satuan | Koefisien | HargaSatuan(Rp) | JumlahHarga(Rp) |
| A                                            | Tenaga Kerja                                           |      |        |           |                 |                 |
|                                              | Pekerja                                                | L.01 | OH     | 0,015     | Rp 178.000,00   | Rp 2.670,00     |
|                                              | Tukang Kaca                                            | L.02 | OH     | 0,150     | Rp 183.000,00   | Rp 27.450,00    |
|                                              | Kepala Tukang                                          | L.03 | OH     | 0,0150    | Rp 210.000,00   | Rp 3.150,00     |
|                                              | Mandor                                                 | L.04 | OH     | 0,0050    | Rp 262.000,00   | Rp 1.310,00     |
| Jumlah Harga Tenaga Kerja                    |                                                        |      |        |           |                 | Rp 34.580,00    |
| B                                            | Bahan                                                  |      |        |           |                 |                 |
|                                              | Kaca tebal 5mm                                         |      | m2     | 1,1000    | Rp 115.500,00   | Rp 127.050,00   |
|                                              | Silicone sealant 300 ml                                |      | tube   | 0,0500    | Rp 85.400,00    | Rp 4.270,00     |
| Jumlah Harga Bahan                           |                                                        |      |        |           |                 | Rp 131.320,00   |
| C                                            | Peralatan                                              |      |        |           |                 |                 |
|                                              | Jumlah Harga Alat                                      |      |        |           |                 |                 |
| D                                            | Jumlah Harga Tenaga Kerja, Bahan dan Peralatan (A+B+C) |      |        |           |                 | Rp 165.900,00   |
| E                                            | Biaya Umum dan Keuntungan (10% - 15%) x D              |      |        |           | 15% x D         | Rp 24.885,00    |
| F                                            | Harga Satuan Pekerjaan (D+E)                           |      |        |           |                 | Rp 190.785,00   |

|                                                                                       |                                                        |      |        |           |                 |                 |
|---------------------------------------------------------------------------------------|--------------------------------------------------------|------|--------|-----------|-----------------|-----------------|
| 3.12.11 Pemasangan 1 m2 kaca laminated tebal 16mm (8mm double)                        |                                                        |      |        |           |                 |                 |
|                                                                                       | Uraian                                                 | Kode | Satuan | Koefisien | HargaSatuan(Rp) | JumlahHarga(Rp) |
| A                                                                                     | Tenaga Kerja                                           |      |        |           |                 |                 |
|                                                                                       | Pekerja                                                | L.01 | OH     | 0,250     | Rp 178.000,00   | Rp 44.500,00    |
|                                                                                       | Tukang Kaca                                            | L.02 | OH     | 0,125     | Rp 183.000,00   | Rp 22.875,00    |
|                                                                                       | Kepala Tukang                                          | L.03 | OH     | 0,0130    | Rp 210.000,00   | Rp 2.730,00     |
|                                                                                       | Mandor                                                 | L.04 | OH     | 0,0040    | Rp 262.000,00   | Rp 1.048,00     |
| Jumlah Harga Tenaga Kerja                                                             |                                                        |      |        |           |                 | Rp 71.153,00    |
| B                                                                                     | Bahan                                                  |      |        |           |                 |                 |
|                                                                                       | Kaca laminated 8mm + 8mm                               |      | m2     | 2,1000    | Rp -            | Rp -            |
|                                                                                       | Silicone sealant 300 ml                                |      | tube   | 0,1430    | Rp 85.400,00    | Rp 12.212,20    |
| Jumlah Harga Bahan                                                                    |                                                        |      |        |           |                 | Rp 12.212,20    |
| C                                                                                     | Peralatan                                              |      |        |           |                 |                 |
| Jumlah Harga Alat                                                                     |                                                        |      |        |           |                 |                 |
| D                                                                                     | Jumlah Harga Tenaga Kerja, Bahan dan Peralatan (A+B+C) |      |        |           |                 | Rp 83.365,20    |
| E                                                                                     | Biaya Umum dan Keuntungan (10% - 15%) x D              |      |        |           | 15% x D         | Rp 12.504,78    |
| F                                                                                     | Harga Satuan Pekerjaan (D+E)                           |      |        |           |                 | Rp 95.869,98    |
| 3.12.12 Pemasangan 1 m2 kaca laminated tebal 16mm (8mm double) dengan alumunium frame |                                                        |      |        |           |                 |                 |
|                                                                                       | Uraian                                                 | Kode | Satuan | Koefisien | HargaSatuan(Rp) | JumlahHarga(Rp) |
| A                                                                                     | Tenaga Kerja                                           |      |        |           |                 |                 |
|                                                                                       | Pekerja                                                | L.01 | OH     | 0,250     | Rp 178.000,00   | Rp 44.500,00    |
|                                                                                       | Tukang Kaca                                            | L.02 | OH     | 0,125     | Rp 183.000,00   | Rp 22.875,00    |
|                                                                                       | Tukang Besi / Alumunium                                | L.02 | OH     | 0,100     | Rp 183.000,00   | Rp 18.300,00    |
|                                                                                       | Kepala Tukang                                          | L.03 | OH     | 0,0130    | Rp 210.000,00   | Rp 2.730,00     |
|                                                                                       | Mandor                                                 | L.04 | OH     | 0,0040    | Rp 262.000,00   | Rp 1.048,00     |
| Jumlah Harga Tenaga Kerja                                                             |                                                        |      |        |           |                 | Rp 89.453,00    |
| B                                                                                     | Bahan                                                  |      |        |           |                 |                 |
|                                                                                       | Kaca laminated 8mm + 8mm                               |      | m2     | 2,1000    | Rp -            | Rp -            |
|                                                                                       | Silicone sealant 300 ml                                |      | tube   | 0,1430    | Rp 85.400,00    | Rp 12.212,20    |
|                                                                                       | Frame alumunium                                        |      | m'     | 4,0000    | Rp -            | Rp -            |
| Jumlah Harga Bahan                                                                    |                                                        |      |        |           |                 | Rp 12.212,20    |
| C                                                                                     | Peralatan                                              |      |        |           |                 |                 |
| Jumlah Harga Alat                                                                     |                                                        |      |        |           |                 |                 |
| D                                                                                     | Jumlah Harga Tenaga Kerja, Bahan dan Peralatan (A+B+C) |      |        |           |                 | Rp 101.665,20   |
| E                                                                                     | Biaya Umum dan Keuntungan (10% - 15%) x D              |      |        |           | 15% x D         | Rp 15.249,78    |
| F                                                                                     | Harga Satuan Pekerjaan (D+E)                           |      |        |           |                 | Rp 116.914,98   |
| 3.12.13 Pemasangan 1 m2 kaca tempered tebal 12 mm                                     |                                                        |      |        |           |                 |                 |
|                                                                                       | Uraian                                                 | Kode | Satuan | Koefisien | HargaSatuan(Rp) | JumlahHarga(Rp) |
| A                                                                                     | Tenaga Kerja                                           |      |        |           |                 |                 |
|                                                                                       | Pekerja                                                | L.01 | OH     | 0,200     | Rp 178.000,00   | Rp 35.600,00    |
|                                                                                       | Tukang Kaca                                            | L.02 | OH     | 0,100     | Rp 183.000,00   | Rp 18.300,00    |
|                                                                                       | Kepala Tukang                                          | L.03 | OH     | 0,0100    | Rp 210.000,00   | Rp 2.100,00     |
|                                                                                       | Mandor                                                 | L.04 | OH     | 0,0033    | Rp 262.000,00   | Rp 864,60       |
| Jumlah Harga Tenaga Kerja                                                             |                                                        |      |        |           |                 | Rp 56.864,60    |
| B                                                                                     | Bahan                                                  |      |        |           |                 |                 |
|                                                                                       | Kaca tempered 12 mm                                    |      | m2     | 1,1000    | Rp -            | Rp -            |
|                                                                                       | Silicone sealant 300 ml                                |      | tube   | 0,1430    | Rp 85.400,00    | Rp 12.212,20    |
| Jumlah Harga Bahan                                                                    |                                                        |      |        |           |                 | Rp 12.212,20    |
| C                                                                                     | Peralatan                                              |      |        |           |                 |                 |
| Jumlah Harga Alat                                                                     |                                                        |      |        |           |                 |                 |
| D                                                                                     | Jumlah Harga Tenaga Kerja, Bahan dan Peralatan (A+B+C) |      |        |           |                 | Rp 69.076,80    |
| E                                                                                     | Biaya Umum dan Keuntungan (10% - 15%) x D              |      |        |           | 15% x D         | Rp 10.361,52    |
| F                                                                                     | Harga Satuan Pekerjaan (D+E)                           |      |        |           |                 | Rp 79.438,32    |

| 3.12.14 Pemasangan 1 m2 kaca laminated tebal 12mm dengan alumunium frame |                                                        |      |        |           |                 |                 |
|--------------------------------------------------------------------------|--------------------------------------------------------|------|--------|-----------|-----------------|-----------------|
|                                                                          | Uraian                                                 | Kode | Satuan | Koefisien | HargaSatuan(Rp) | JumlahHarga(Rp) |
| A                                                                        | Tenaga Kerja                                           |      |        |           |                 |                 |
|                                                                          | Pekerja                                                | L.01 | OH     | 0,250     | Rp 178.000,00   | Rp 44.500,00    |
|                                                                          | Tukang Kaca                                            | L.02 | OH     | 0,125     | Rp 183.000,00   | Rp 22.875,00    |
|                                                                          | Tukang Besi / Alumunium                                | L.02 | OH     | 0,100     | Rp 183.000,00   | Rp 18.300,00    |
|                                                                          | Kepala Tukang                                          | L.03 | OH     | 0,0130    | Rp 210.000,00   | Rp 2.730,00     |
|                                                                          | Mandor                                                 | L.04 | OH     | 0,0040    | Rp 262.000,00   | Rp 1.048,00     |
| Jumlah Harga Tenaga Kerja                                                |                                                        |      |        |           |                 | Rp 89.453,00    |
| B                                                                        | Bahan                                                  |      |        |           |                 |                 |
|                                                                          | Kaca laminated 12 mm                                   |      | m2     | 2,1000    | Rp -            | Rp -            |
|                                                                          | Silicone sealant 300 ml                                |      | tube   | 0,1430    | Rp 85.400,00    | Rp 12.212,20    |
|                                                                          | Frame alumunium                                        |      | m'     | 4,0000    | Rp -            | Rp -            |
| Jumlah Harga Bahan                                                       |                                                        |      |        |           |                 | Rp 12.212,20    |
| C                                                                        | Peralatan                                              |      |        |           |                 |                 |
| Jumlah Harga Alat                                                        |                                                        |      |        |           |                 |                 |
| D                                                                        | Jumlah Harga Tenaga Kerja, Bahan dan Peralatan (A+B+C) |      |        |           |                 | Rp 101.665,20   |
| E                                                                        | Biaya Umum dan Keuntungan (10% - 15%) x D              |      |        |           | 15% x D         | Rp 15.249,78    |
| F                                                                        | Harga Satuan Pekerjaan (D+E)                           |      |        |           |                 | Rp 116.914,98   |
|                                                                          |                                                        |      |        |           |                 |                 |
| PEKERJAAN SANITAIR                                                       |                                                        |      |        |           |                 |                 |
| 3.18.1.1 Pemasangan 1 buah wastafel                                      |                                                        |      |        |           |                 |                 |
|                                                                          | Uraian                                                 | Kode | Satuan | Koefisien | HargaSatuan(Rp) | JumlahHarga(Rp) |
| A                                                                        | Tenaga Kerja                                           |      |        |           |                 |                 |
|                                                                          | Pekerja                                                | L.01 | OH     | 1,000     | Rp 178.000,00   | Rp 178.000,00   |
|                                                                          | Tukang                                                 | L.02 | OH     | 0,500     | Rp 183.000,00   | Rp 91.500,00    |
|                                                                          | Kepala Tukang                                          | L.03 | OH     | 0,0500    | Rp 210.000,00   | Rp 10.500,00    |
|                                                                          | Mandor                                                 | L.04 | OH     | 0,0167    | Rp 262.000,00   | Rp 4.375,40     |
| Jumlah Harga Tenaga Kerja                                                |                                                        |      |        |           |                 | Rp 284.375,40   |
| B                                                                        | Bahan                                                  |      |        |           |                 |                 |
|                                                                          | Wastafel lengkap                                       |      | unit   | 1,2000    | Rp 708.700,00   | Rp 850.440,00   |
|                                                                          | Semen portland                                         |      | kg     | 6,0000    | Rp 1.540,00     | Rp 9.240,00     |
|                                                                          | Pasir pasang                                           |      | m3     | 0,0100    | Rp 330.000,00   | Rp 3.300,00     |
| Jumlah Harga Bahan                                                       |                                                        |      |        |           |                 | Rp 862.980,00   |
| C                                                                        | Peralatan                                              |      |        |           |                 |                 |
| Jumlah Harga Alat                                                        |                                                        |      |        |           |                 |                 |
| D                                                                        | Jumlah Harga Tenaga Kerja, Bahan dan Peralatan (A+B+C) |      |        |           |                 | Rp 1.147.355,40 |
| E                                                                        | Biaya Umum dan Keuntungan (10% - 15%) x D              |      |        |           | 15% x D         | Rp 172.103,31   |
| F                                                                        | Harga Satuan Pekerjaan (D+E)                           |      |        |           |                 | Rp 1.319.458,71 |
|                                                                          |                                                        |      |        |           |                 |                 |
| 3.18.3.1 Pemasangan 1 buah kloset duduk / monoblock                      |                                                        |      |        |           |                 |                 |
|                                                                          | Uraian                                                 | Kode | Satuan | Koefisien | HargaSatuan(Rp) | JumlahHarga(Rp) |
| A                                                                        | Tenaga Kerja                                           |      |        |           |                 |                 |
|                                                                          | Pekerja                                                | L.01 | OH     | 0,500     | Rp 178.000,00   | Rp 89.000,00    |
|                                                                          | Tukang                                                 | L.02 | OH     | 1,200     | Rp 183.000,00   | Rp 219.600,00   |
|                                                                          | Kepala Tukang                                          | L.03 | OH     | 0,1200    | Rp 210.000,00   | Rp 25.200,00    |
|                                                                          | Mandor                                                 | L.04 | OH     | 0,0400    | Rp 262.000,00   | Rp 10.480,00    |
| Jumlah Harga Tenaga Kerja                                                |                                                        |      |        |           |                 | Rp 344.280,00   |
| B                                                                        | Bahan                                                  |      |        |           |                 |                 |
|                                                                          | Kloset duduk                                           |      | unit   | 1,0000    | Rp 1.680.000,00 | Rp 1.680.000,00 |
|                                                                          | Flexible hose                                          |      | unit   | 1,0000    | Rp 50.000,00    | Rp 50.000,00    |
| Jumlah Harga Bahan                                                       |                                                        |      |        |           |                 | Rp 1.730.000,00 |
| C                                                                        | Peralatan                                              |      |        |           |                 |                 |
| Jumlah Harga Alat                                                        |                                                        |      |        |           |                 |                 |
| D                                                                        | Jumlah Harga Tenaga Kerja, Bahan dan Peralatan (A+B+C) |      |        |           |                 | Rp 2.074.280,00 |
| E                                                                        | Biaya Umum dan Keuntungan (10% - 15%) x D              |      |        |           | 15% x D         | Rp 311.142,00   |
| F                                                                        | Harga Satuan Pekerjaan (D+E)                           |      |        |           |                 | Rp 2.385.422,00 |

|                                                               |                                                        |      |        |           |                 |                 |
|---------------------------------------------------------------|--------------------------------------------------------|------|--------|-----------|-----------------|-----------------|
| 3.18.3.2 Pemasangan 1 buah kloset jongkok                     |                                                        |      |        |           |                 |                 |
|                                                               | Uraian                                                 | Kode | Satuan | Koefisien | HargaSatuan(Rp) | JumlahHarga(Rp) |
| A                                                             | Tenaga Kerja                                           |      |        |           |                 |                 |
|                                                               | Pekerja                                                | L.01 | OH     | 0,500     | Rp 178.000,00   | Rp 89.000,00    |
|                                                               | Tukang                                                 | L.02 | OH     | 0,500     | Rp 183.000,00   | Rp 91.500,00    |
|                                                               | Kepala Tukang                                          | L.03 | OH     | 0,0500    | Rp 210.000,00   | Rp 10.500,00    |
|                                                               | Mandor                                                 | L.04 | OH     | 0,0167    | Rp 262.000,00   | Rp 4.375,40     |
| Jumlah Harga Tenaga Kerja                                     |                                                        |      |        |           |                 | Rp 195.375,40   |
| B                                                             | Bahan                                                  |      |        |           |                 |                 |
|                                                               | Kloset duduk                                           |      | unit   | 1,0000    | Rp 330.000,00   | Rp 330.000,00   |
|                                                               | Pasangan bata 1 PC : 4PS                               |      | m2     | 0,0360    | Rp 226.124,04   | Rp 8.140,47     |
|                                                               | Pasir pasang                                           |      | m3     | 0,0100    | Rp 330.000,00   | Rp 3.300,00     |
| Jumlah Harga Bahan                                            |                                                        |      |        |           |                 | Rp 341.440,47   |
| C                                                             | Peralatan                                              |      |        |           |                 |                 |
| Jumlah Harga Alat                                             |                                                        |      |        |           |                 |                 |
| D                                                             | Jumlah Harga Tenaga Kerja, Bahan dan Peralatan (A+B+C) |      |        |           |                 | Rp 536.815,87   |
| E                                                             | Biaya Umum dan Keuntungan (10% - 15%) x D              |      |        |           | 15% x D         | Rp 80.522,38    |
| F                                                             | Harga Satuan Pekerjaan (D+E)                           |      |        |           |                 | Rp 617.338,25   |
| 3.18.4.1 Pemasangan 1 buah urinoir                            |                                                        |      |        |           |                 |                 |
|                                                               | Uraian                                                 | Kode | Satuan | Koefisien | HargaSatuan(Rp) | JumlahHarga(Rp) |
| A                                                             | Tenaga Kerja                                           |      |        |           |                 |                 |
|                                                               | Pekerja                                                | L.01 | OH     | 1,000     | Rp 178.000,00   | Rp 178.000,00   |
|                                                               | Tukang                                                 | L.02 | OH     | 1,000     | Rp 183.000,00   | Rp 183.000,00   |
|                                                               | Kepala Tukang                                          | L.03 | OH     | 0,1000    | Rp 210.000,00   | Rp 21.000,00    |
|                                                               | Mandor                                                 | L.04 | OH     | 0,0333    | Rp 262.000,00   | Rp 8.724,60     |
| Jumlah Harga Tenaga Kerja                                     |                                                        |      |        |           |                 | Rp 390.724,60   |
| B                                                             | Bahan                                                  |      |        |           |                 |                 |
|                                                               | Urinoir lengkap                                        |      | unit   | 1,0000    | Rp -            | Rp -            |
|                                                               | Semen portland                                         |      | kg     | 6,0000    | Rp -            | Rp -            |
|                                                               | Pasir pasang                                           |      | m3     | 0,0100    | Rp -            | Rp -            |
| Jumlah Harga Bahan                                            |                                                        |      |        |           |                 | Rp -            |
| C                                                             | Peralatan                                              |      |        |           |                 |                 |
| Jumlah Harga Alat                                             |                                                        |      |        |           |                 |                 |
| D                                                             | Jumlah Harga Tenaga Kerja, Bahan dan Peralatan (A+B+C) |      |        |           |                 | Rp 390.724,60   |
| E                                                             | Biaya Umum dan Keuntungan (10% - 15%) x D              |      |        |           | 15% x D         | Rp 58.608,69    |
| F                                                             | Harga Satuan Pekerjaan (D+E)                           |      |        |           |                 | Rp 449.333,29   |
| 3.18.4.2 Pemasangan 1 buah partisi urinoir                    |                                                        |      |        |           |                 |                 |
|                                                               | Uraian                                                 | Kode | Satuan | Koefisien | HargaSatuan(Rp) | JumlahHarga(Rp) |
| A                                                             | Tenaga Kerja                                           |      |        |           |                 |                 |
|                                                               | Pekerja                                                | L.01 | OH     | 0,500     | Rp 178.000,00   | Rp 89.000,00    |
|                                                               | Tukang                                                 | L.02 | OH     | 1,000     | Rp 183.000,00   | Rp 183.000,00   |
|                                                               | Kepala Tukang                                          | L.03 | OH     | 0,1000    | Rp 210.000,00   | Rp 21.000,00    |
|                                                               | Mandor                                                 | L.04 | OH     | 0,0333    | Rp 262.000,00   | Rp 8.724,60     |
| Jumlah Harga Tenaga Kerja                                     |                                                        |      |        |           |                 | Rp 301.724,60   |
| B                                                             | Bahan                                                  |      |        |           |                 |                 |
|                                                               | Sekat urinoir                                          |      | buah   | 1,0000    | Rp -            | Rp -            |
|                                                               | Sealtape                                               |      | buah   | 0,0250    | Rp -            | Rp -            |
| Jumlah Harga Bahan                                            |                                                        |      |        |           |                 | Rp -            |
| C                                                             | Peralatan                                              |      |        |           |                 |                 |
| Jumlah Harga Alat                                             |                                                        |      |        |           |                 |                 |
| D                                                             | Jumlah Harga Tenaga Kerja, Bahan dan Peralatan (A+B+C) |      |        |           |                 | Rp 301.724,60   |
| E                                                             | Biaya Umum dan Keuntungan (10% - 15%) x D              |      |        |           | 15% x D         | Rp 45.258,69    |
| F                                                             | Harga Satuan Pekerjaan (D+E)                           |      |        |           |                 | Rp 346.983,29   |
| 3.18.5.3 Pemasangan 1 buah bak mandi fiberglass volume 0,3 m3 |                                                        |      |        |           |                 |                 |
|                                                               | Uraian                                                 | Kode | Satuan | Koefisien | HargaSatuan(Rp) | JumlahHarga(Rp) |
| A                                                             | Tenaga Kerja                                           |      |        |           |                 |                 |
|                                                               | Pekerja                                                | L.01 | OH     | 0,286     | Rp 178.000,00   | Rp 50.854,60    |
|                                                               | Tukang                                                 | L.02 | OH     | 0,143     | Rp 183.000,00   | Rp 26.150,70    |
|                                                               | Kepala Tukang                                          | L.03 | OH     | 0,0500    | Rp 210.000,00   | Rp 10.500,00    |
|                                                               | Mandor                                                 | L.04 | OH     | 0,0900    | Rp 262.000,00   | Rp 23.580,00    |
| Jumlah Harga Tenaga Kerja                                     |                                                        |      |        |           |                 | Rp 111.085,30   |
| B                                                             | Bahan                                                  |      |        |           |                 |                 |
|                                                               | Bak fiberglass                                         |      | unit   | 1,0000    | Rp 150.000,00   | Rp 150.000,00   |
|                                                               | Pipa PVC 3/4"                                          |      | m'     | 2,0000    | Rp -            | Rp -            |
|                                                               | Stop kran 3/4"                                         |      | buah   | 1,0000    | Rp -            | Rp -            |
| Jumlah Harga Bahan                                            |                                                        |      |        |           |                 | Rp 150.000,00   |
| C                                                             | Peralatan                                              |      |        |           |                 |                 |
| Jumlah Harga Alat                                             |                                                        |      |        |           |                 |                 |
| D                                                             | Jumlah Harga Tenaga Kerja, Bahan dan Peralatan (A+B+C) |      |        |           |                 | Rp 261.085,30   |
| E                                                             | Biaya Umum dan Keuntungan (10% - 15%) x D              |      |        |           | 15% x D         | Rp 39.162,80    |
| F                                                             | Harga Satuan Pekerjaan (D+E)                           |      |        |           |                 | Rp 300.248,10   |

| 3.18.5.4 Pemasangan 1 buah bak mandi fiberglass volume 1 m3 |                                                        |      |        |           |                 |                 |
|-------------------------------------------------------------|--------------------------------------------------------|------|--------|-----------|-----------------|-----------------|
|                                                             | Uraian                                                 | Kode | Satuan | Koefisien | HargaSatuan(Rp) | JumlahHarga(Rp) |
| A                                                           | Tenaga Kerja                                           |      |        |           |                 |                 |
|                                                             | Pekerja                                                | L.01 | OH     | 0,286     | Rp 178.000,00   | Rp 50.908,00    |
|                                                             | Tukang                                                 | L.02 | OH     | 0,143     | Rp 183.000,00   | Rp 26.150,70    |
|                                                             | Kepala Tukang                                          | L.03 | OH     | 0,0500    | Rp 210.000,00   | Rp 10.500,00    |
|                                                             | Mandor                                                 | L.04 | OH     | 0,0900    | Rp 262.000,00   | Rp 23.580,00    |
| Jumlah Harga Tenaga Kerja                                   |                                                        |      |        |           |                 | Rp 111.138,70   |
| B                                                           | Bahan                                                  |      |        |           |                 |                 |
|                                                             | Bak fiberglass                                         |      | unit   | 1,0000    | Rp -            | Rp -            |
|                                                             | Pipa PVC 3/4"                                          |      | m'     | 2,0000    | Rp -            | Rp -            |
|                                                             | Stop kran 3/4"                                         |      | buah   | 1,0000    | Rp -            | Rp -            |
| Jumlah Harga Bahan                                          |                                                        |      |        |           |                 | Rp -            |
| C                                                           | Peralatan                                              |      |        |           |                 |                 |
| Jumlah Harga Alat                                           |                                                        |      |        |           |                 |                 |
| D                                                           | Jumlah Harga Tenaga Kerja, Bahan dan Peralatan (A+B+C) |      |        |           |                 | Rp 111.138,70   |
| E                                                           | Biaya Umum dan Keuntungan (10% - 15%) x D              |      |        |           | 15% x D         | Rp 16.670,81    |
| F                                                           | Harga Satuan Pekerjaan (D+E)                           |      |        |           |                 | Rp 127.809,51   |
| AKSESORIS SANITAIR                                          |                                                        |      |        |           |                 |                 |
| 3.18.6.1 Pemasangan 1 buah floor drain                      |                                                        |      |        |           |                 |                 |
|                                                             | Uraian                                                 | Kode | Satuan | Koefisien | HargaSatuan(Rp) | JumlahHarga(Rp) |
| A                                                           | Tenaga Kerja                                           |      |        |           |                 |                 |
|                                                             | Pekerja                                                | L.01 | OH     | 0,010     | Rp 178.000,00   | Rp 1.780,00     |
|                                                             | Tukang                                                 | L.02 | OH     | 0,100     | Rp 183.000,00   | Rp 18.300,00    |
|                                                             | Kepala Tukang                                          | L.03 | OH     | 0,0100    | Rp 210.000,00   | Rp 2.100,00     |
|                                                             | Mandor                                                 | L.04 | OH     | 0,0033    | Rp 262.000,00   | Rp 864,60       |
| Jumlah Harga Tenaga Kerja                                   |                                                        |      |        |           |                 | Rp 23.044,60    |
| B                                                           | Bahan                                                  |      |        |           |                 |                 |
|                                                             | Floor drain                                            |      | unit   | 1,0000    | Rp 25.000,00    | Rp 25.000,00    |
| Jumlah Harga Bahan                                          |                                                        |      |        |           |                 | Rp 25.000,00    |
| C                                                           | Peralatan                                              |      |        |           |                 |                 |
| Jumlah Harga Alat                                           |                                                        |      |        |           |                 |                 |
| D                                                           | Jumlah Harga Tenaga Kerja, Bahan dan Peralatan (A+B+C) |      |        |           |                 | Rp 48.044,60    |
| E                                                           | Biaya Umum dan Keuntungan (10% - 15%) x D              |      |        |           | 15% x D         | Rp 7.206,69     |
| F                                                           | Harga Satuan Pekerjaan (D+E)                           |      |        |           |                 | Rp 55.251,29    |
| 3.18.6.2 Pemasangan 1 buah kran diameter 1/2" atau 3/4"     |                                                        |      |        |           |                 |                 |
|                                                             | Uraian                                                 | Kode | Satuan | Koefisien | HargaSatuan(Rp) | JumlahHarga(Rp) |
| A                                                           | Tenaga Kerja                                           |      |        |           |                 |                 |
|                                                             | Pekerja                                                | L.01 | OH     | 0,010     | Rp 178.000,00   | Rp 1.780,00     |
|                                                             | Tukang                                                 | L.02 | OH     | 0,400     | Rp 183.000,00   | Rp 73.200,00    |
|                                                             | Kepala Tukang                                          | L.03 | OH     | 0,0400    | Rp 210.000,00   | Rp 8.400,00     |
|                                                             | Mandor                                                 | L.04 | OH     | 0,0033    | Rp 262.000,00   | Rp 864,60       |
| Jumlah Harga Tenaga Kerja                                   |                                                        |      |        |           |                 | Rp 84.244,60    |
| B                                                           | Bahan                                                  |      |        |           |                 |                 |
|                                                             | Kran air biasa 3/4"                                    |      | buah   | 1,0000    | Rp 65.000,00    | Rp 65.000,00    |
|                                                             | Seal tape                                              |      | buah   | 0,0250    | Rp 13.000,00    | Rp 325,00       |
| Jumlah Harga Bahan                                          |                                                        |      |        |           |                 | Rp 65.325,00    |
| C                                                           | Peralatan                                              |      |        |           |                 |                 |
| Jumlah Harga Alat                                           |                                                        |      |        |           |                 |                 |
| D                                                           | Jumlah Harga Tenaga Kerja, Bahan dan Peralatan (A+B+C) |      |        |           |                 | Rp 149.569,60   |
| E                                                           | Biaya Umum dan Keuntungan (10% - 15%) x D              |      |        |           | 15% x D         | Rp 22.435,44    |
| F                                                           | Harga Satuan Pekerjaan (D+E)                           |      |        |           |                 | Rp 172.005,04   |
| 3.18.6.2a Pemasangan 1 buah kran diameter 1/2" Aatau 3/4"   |                                                        |      |        |           |                 |                 |
|                                                             | Uraian                                                 | Kode | Satuan | Koefisien | HargaSatuan(Rp) | JumlahHarga(Rp) |
| A                                                           | Tenaga Kerja                                           |      |        |           |                 |                 |
|                                                             | Pekerja                                                | L.01 | OH     | 0,010     | Rp 178.000,00   | Rp 1.780,00     |
|                                                             | Tukang                                                 | L.02 | OH     | 0,400     | Rp 183.000,00   | Rp 73.200,00    |
|                                                             | Kepala Tukang                                          | L.03 | OH     | 0,0400    | Rp 210.000,00   | Rp 8.400,00     |
|                                                             | Mandor                                                 | L.04 | OH     | 0,0033    | Rp 262.000,00   | Rp 864,60       |
| Jumlah Harga Tenaga Kerja                                   |                                                        |      |        |           |                 | Rp 84.244,60    |
| B                                                           | Bahan                                                  |      |        |           |                 |                 |
|                                                             | Kran air stainlees 3/4"                                |      | buah   | 1,0000    | Rp 95.000,00    | Rp 95.000,00    |
|                                                             | Seal tape                                              |      | buah   | 0,0250    | Rp 13.000,00    | Rp 325,00       |
| Jumlah Harga Bahan                                          |                                                        |      |        |           |                 | Rp 95.325,00    |
| C                                                           | Peralatan                                              |      |        |           |                 |                 |
| Jumlah Harga Alat                                           |                                                        |      |        |           |                 |                 |
| D                                                           | Jumlah Harga Tenaga Kerja, Bahan dan Peralatan (A+B+C) |      |        |           |                 | Rp 179.569,60   |
| E                                                           | Biaya Umum dan Keuntungan (10% - 15%) x D              |      |        |           | 15% x D         | Rp 26.935,44    |
| F                                                           | Harga Satuan Pekerjaan (D+E)                           |      |        |           |                 | Rp 206.505,04   |

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| SISTEM PERPIPAAN DALAM GEDUNG                             |                                                        |      |        |           |                 |                 |
|-----------------------------------------------------------|--------------------------------------------------------|------|--------|-----------|-----------------|-----------------|
| 6.4.1.1 Pemasangan 1 m pipa PVC AW diameter 1/2" (15mm)   |                                                        |      |        |           |                 |                 |
|                                                           | Uraian                                                 | Kode | Satuan | Koefisien | HargaSatuan(Rp) | JumlahHarga(Rp) |
| A                                                         | Tenaga Kerja                                           |      |        |           |                 |                 |
|                                                           | Pekerja                                                | L.01 | OH     | 0,017     | Rp 178.000,00   | Rp 3.026,00     |
|                                                           | Tukang Pipa                                            | L.02 | OH     | 0,028     | Rp 183.000,00   | Rp 5.124,00     |
|                                                           | Kepala Tukang                                          | L.03 | OH     | 0,0030    | Rp 210.000,00   | Rp 630,00       |
|                                                           | Mandor                                                 | L.04 | OH     | 0,0010    | Rp 262.000,00   | Rp 262,00       |
| Jumlah Harga Tenaga Kerja                                 |                                                        |      |        |           |                 | Rp 9.042,00     |
| B                                                         | Bahan                                                  |      |        |           |                 |                 |
|                                                           | Pipa PVC AW diameter 1/2" (15mm) +                     |      | m'     | 1,450     | Rp 9.175,00     | Rp 13.303,75    |
| Jumlah Harga Bahan                                        |                                                        |      |        |           |                 | Rp 13.303,75    |
| C                                                         | Peralatan                                              |      |        |           |                 |                 |
| Jumlah Harga Alat                                         |                                                        |      |        |           |                 |                 |
| D                                                         | Jumlah Harga Tenaga Kerja, Bahan dan Peralatan (A+B+C) |      |        |           |                 | Rp 22.345,75    |
| E                                                         | Biaya Umum dan Keuntungan (10% - 15%) x D              |      |        |           | 15% x D         | Rp 3.351,86     |
| F                                                         | Harga Satuan Pekerjaan (D+E)                           |      |        |           |                 | Rp 25.697,61    |
| 6.4.1.2 Pemasangan 1 m pipa PVC AW diameter 3/4" (20mm)   |                                                        |      |        |           |                 |                 |
|                                                           | Uraian                                                 | Kode | Satuan | Koefisien | HargaSatuan(Rp) | JumlahHarga(Rp) |
| A                                                         | Tenaga Kerja                                           |      |        |           |                 |                 |
|                                                           | Pekerja                                                | L.01 | OH     | 0,024     | Rp 178.000,00   | Rp 4.272,00     |
|                                                           | Tukang Pipa                                            | L.02 | OH     | 0,040     | Rp 183.000,00   | Rp 7.320,00     |
|                                                           | Kepala Tukang                                          | L.03 | OH     | 0,0040    | Rp 210.000,00   | Rp 840,00       |
|                                                           | Mandor                                                 | L.04 | OH     | 0,0010    | Rp 262.000,00   | Rp 262,00       |
| Jumlah Harga Tenaga Kerja                                 |                                                        |      |        |           |                 | Rp 12.694,00    |
| B                                                         | Bahan                                                  |      |        |           |                 |                 |
|                                                           | Pipa PVC AW diameter 3/4" (20mm) +                     |      | m'     | 1,450     | Rp 11.025,00    | Rp 15.986,25    |
| Jumlah Harga Bahan                                        |                                                        |      |        |           |                 | Rp 15.986,25    |
| C                                                         | Peralatan                                              |      |        |           |                 |                 |
| Jumlah Harga Alat                                         |                                                        |      |        |           |                 |                 |
| D                                                         | Jumlah Harga Tenaga Kerja, Bahan dan Peralatan (A+B+C) |      |        |           |                 | Rp 28.680,25    |
| E                                                         | Biaya Umum dan Keuntungan (10% - 15%) x D              |      |        |           | 15% x D         | Rp 4.302,04     |
| F                                                         | Harga Satuan Pekerjaan (D+E)                           |      |        |           |                 | Rp 32.982,29    |
| 6.4.1.6 Pemasangan 1 m pipa PVC AW diameter 2" (50mm)     |                                                        |      |        |           |                 |                 |
|                                                           | Uraian                                                 | Kode | Satuan | Koefisien | HargaSatuan(Rp) | JumlahHarga(Rp) |
| A                                                         | Tenaga Kerja                                           |      |        |           |                 |                 |
|                                                           | Pekerja                                                | L.01 | OH     | 0,063     | Rp 178.000,00   | Rp 11.214,00    |
|                                                           | Tukang Pipa                                            | L.02 | OH     | 0,104     | Rp 183.000,00   | Rp 19.032,00    |
|                                                           | Kepala Tukang                                          | L.03 | OH     | 0,0100    | Rp 210.000,00   | Rp 2.100,00     |
|                                                           | Mandor                                                 | L.04 | OH     | 0,0030    | Rp 262.000,00   | Rp 786,00       |
| Jumlah Harga Tenaga Kerja                                 |                                                        |      |        |           |                 | Rp 33.132,00    |
| B                                                         | Bahan                                                  |      |        |           |                 |                 |
|                                                           | Pipa PVC AW diameter 2" (50mm) + fitting               |      | m'     | 1,450     | Rp 38.050,00    | Rp 55.172,50    |
| Jumlah Harga Bahan                                        |                                                        |      |        |           |                 | Rp 55.172,50    |
| C                                                         | Peralatan                                              |      |        |           |                 |                 |
| Jumlah Harga Alat                                         |                                                        |      |        |           |                 |                 |
| D                                                         | Jumlah Harga Tenaga Kerja, Bahan dan Peralatan (A+B+C) |      |        |           |                 | Rp 88.304,50    |
| E                                                         | Biaya Umum dan Keuntungan (10% - 15%) x D              |      |        |           | 15% x D         | Rp 13.245,68    |
| F                                                         | Harga Satuan Pekerjaan (D+E)                           |      |        |           |                 | Rp 101.550,18   |
| 6.4.1.7 Pemasangan 1 m pipa PVC AW diameter 2-1/2" (65mm) |                                                        |      |        |           |                 |                 |
|                                                           | Uraian                                                 | Kode | Satuan | Koefisien | HargaSatuan(Rp) | JumlahHarga(Rp) |
| A                                                         | Tenaga Kerja                                           |      |        |           |                 |                 |
|                                                           | Pekerja                                                | L.01 | OH     | 0,077     | Rp 178.000,00   | Rp 13.706,00    |
|                                                           | Tukang Pipa                                            | L.02 | OH     | 0,129     | Rp 183.000,00   | Rp 23.607,00    |
|                                                           | Kepala Tukang                                          | L.03 | OH     | 0,0130    | Rp 210.000,00   | Rp 2.730,00     |
|                                                           | Mandor                                                 | L.04 | OH     | 0,0040    | Rp 262.000,00   | Rp 1.048,00     |
| Jumlah Harga Tenaga Kerja                                 |                                                        |      |        |           |                 | Rp 41.091,00    |
| B                                                         | Bahan                                                  |      |        |           |                 |                 |
|                                                           | Pipa PVC AW diameter 2-1/2" (65mm) +                   |      | m'     | 1,450     | Rp 55.125,00    | Rp 79.931,25    |
| Jumlah Harga Bahan                                        |                                                        |      |        |           |                 | Rp 79.931,25    |
| C                                                         | Peralatan                                              |      |        |           |                 |                 |
| Jumlah Harga Alat                                         |                                                        |      |        |           |                 |                 |
| D                                                         | Jumlah Harga Tenaga Kerja, Bahan dan Peralatan (A+B+C) |      |        |           |                 | Rp 121.022,25   |
| E                                                         | Biaya Umum dan Keuntungan (10% - 15%) x D              |      |        |           | 15% x D         | Rp 18.153,34    |
| F                                                         | Harga Satuan Pekerjaan (D+E)                           |      |        |           |                 | Rp 139.175,59   |

|                           |                                                        |      |        |           |                 |                 |
|---------------------------|--------------------------------------------------------|------|--------|-----------|-----------------|-----------------|
| 6.4.1.9                   | Pemasangan 1 m pipa PVC AW diameter 4" (100 mm)        |      |        |           |                 |                 |
|                           | Uraian                                                 | Kode | Satuan | Koefisien | HargaSatuan(Rp) | JumlahHarga(Rp) |
| A                         | Tenaga Kerja                                           |      |        |           |                 |                 |
|                           | Pekerja                                                | L.01 | OH     | 0,123     | Rp 178.000,00   | Rp 21.894,00    |
|                           | Tukang Pipa                                            | L.02 | OH     | 0,205     | Rp 183.000,00   | Rp 37.515,00    |
|                           | Kepala Tukang                                          | L.03 | OH     | 0,0210    | Rp 210.000,00   | Rp 4.410,00     |
|                           | Mandor                                                 | L.04 | OH     | 0,0060    | Rp 262.000,00   | Rp 1.572,00     |
| Jumlah Harga Tenaga Kerja |                                                        |      |        |           |                 | Rp 65.391,00    |
| B                         | Bahan                                                  |      |        |           |                 |                 |
|                           | Pipa PVC AW diameter 4" (100mm) +                      |      | m'     | 1,450     | Rp 117.725,23   | Rp 170.701,58   |
| Jumlah Harga Bahan        |                                                        |      |        |           |                 | Rp 170.701,58   |
| C                         | Peralatan                                              |      |        |           |                 |                 |
| Jumlah Harga Alat         |                                                        |      |        |           |                 |                 |
| D                         | Jumlah Harga Tenaga Kerja, Bahan dan Peralatan (A+B+C) |      |        |           |                 | Rp 236.092,58   |
| E                         | Biaya Umum dan Keuntungan (10% - 15%) x D              |      |        |           | 15% x D         | Rp 35.413,89    |
| F                         | Harga Satuan Pekerjaan (D+E)                           |      |        |           |                 | Rp 271.506,46   |

| PEKERJAAN BONGKARAN ANL.2016            |                                                            |      |        |           |                    |                    |
|-----------------------------------------|------------------------------------------------------------|------|--------|-----------|--------------------|--------------------|
| A.15 1 m² Bongkaran lantai              |                                                            |      |        |           |                    |                    |
| No                                      | Uraian                                                     | Kode | Satuan | Koefisien | Harga Satuan (Rp.) | Jumlah Harga (Rp.) |
|                                         | Pekerja tak terlatih                                       |      | Oh     | 1,0000    | Rp 178.000,00      | Rp 178.000,00      |
|                                         | Mandor                                                     |      | Oh     | 0,1000    | Rp 262.000,00      | Rp 26.200,00       |
| b.                                      | Jumlah Alat + Bahan                                        |      |        |           |                    | Rp 204.200,00      |
| c.                                      | Overhead & Provit 15%                                      |      |        |           |                    | Rp 30.630,00       |
| d.                                      | Harga Satuan Pekerjaan ( B + C)                            |      |        |           |                    | Rp 234.830,00      |
|                                         | Jadi untuk 10 m² membongkar lantai diperlukan              |      |        |           |                    | Rp 234.830,00      |
|                                         | Maka untuk 1 m² membongkar lantai diperlukan 1/10-nya      |      |        |           |                    | Rp 23.483,00       |
| A.16 1 m² Menurunkan atap genteng/sirap |                                                            |      |        |           |                    |                    |
| No                                      | Uraian                                                     | Kode | Satuan | Koefisien | Harga Satuan (Rp.) | Jumlah Harga (Rp.) |
|                                         | Pekerja tak terlatih                                       |      | Oh     | 0,2000    | Rp 178.000,00      | Rp 35.600,00       |
|                                         | Mandor                                                     |      | Oh     | 0,1000    | Rp 262.000,00      | Rp 26.200,00       |
| b.                                      | Jumlah Alat + Bahan                                        |      |        |           |                    | Rp 61.800,00       |
| c.                                      | Overhead & Provit 15%                                      |      |        |           |                    | Rp 9.270,00        |
| d.                                      | Harga Satuan Pekerjaan ( B + C)                            |      |        |           |                    | Rp 71.070,00       |
|                                         | Jadi untuk 10 m² membongkar lantai diperlukan              |      |        |           |                    | Rp 71.070,00       |
|                                         | Maka untuk 1 m² membongkar lantai diperlukan 1/10-nya      |      |        |           |                    | Rp 7.107,00        |
| A.17 1 m² Menurunkan atap seng          |                                                            |      |        |           |                    |                    |
| No                                      | Uraian                                                     | Kode | Satuan | Koefisien | Harga Satuan (Rp.) | Jumlah Harga (Rp.) |
|                                         | Pekerja tak terlatih                                       |      | Oh     | 0,5000    | Rp 178.000,00      | Rp 89.000,00       |
|                                         | Mandor                                                     |      | Oh     | 1,0000    | Rp 262.000,00      | Rp 262.000,00      |
| b.                                      | Jumlah Alat + Bahan                                        |      |        |           |                    | Rp 351.000,00      |
| c.                                      | Overhead & Provit 15%                                      |      |        |           |                    | Rp 52.650,00       |
| d.                                      | Harga Satuan Pekerjaan ( B + C)                            |      |        |           |                    | Rp 403.650,00      |
|                                         | Jadi untuk 10 m² membongkar lantai diperlukan              |      |        |           |                    | Rp 403.650,00      |
|                                         | Maka untuk 1 m² membongkar lantai diperlukan 1/10-nya      |      |        |           |                    | Rp 40.365,00       |
| A.18 1 m² Membongkar rangka atap        |                                                            |      |        |           |                    |                    |
| No                                      | Uraian                                                     | Kode | Satuan | Koefisien | Harga Satuan (Rp.) | Jumlah Harga (Rp.) |
|                                         | Tukang kayu                                                |      | Oh     | 0,2500    | Rp 183.000,00      | Rp 45.750,00       |
|                                         | Kepala tukang                                              |      | Oh     | 0,0250    | Rp 210.000,00      | Rp 5.250,00        |
|                                         | Pekerja tak terlatih                                       |      | Oh     | 1,0000    | Rp 178.000,00      | Rp 178.000,00      |
|                                         | Mandor                                                     |      | Oh     | 0,0500    | Rp 262.000,00      | Rp 13.100,00       |
| b.                                      | Jumlah Alat + Bahan                                        |      |        |           |                    | Rp 242.100,00      |
| c.                                      | Overhead & Provit 15%                                      |      |        |           |                    | Rp 36.315,00       |
| d.                                      | Harga Satuan Pekerjaan ( B + C)                            |      |        |           |                    | Rp 278.415,00      |
|                                         | Jadi untuk 10 m² membongkar Rangka Atap diperlukan         |      |        |           |                    | Rp 278.415,00      |
|                                         | Maka untuk 1 m² membongkar rangka atap diperlukan 1/10-nya |      |        |           |                    | Rp 27.841,50       |

|                                             |                                                       |         |                     |           |                    |                    |
|---------------------------------------------|-------------------------------------------------------|---------|---------------------|-----------|--------------------|--------------------|
| A.20 1 m² Membongkar langit-langit + rangka |                                                       |         |                     |           |                    |                    |
| No                                          | Uraian                                                | Kode    | Satuan              | Koefisien | Harga Satuan (Rp.) | Jumlah Harga (Rp.) |
|                                             | Pekerja tak terlatih                                  |         | Oh                  | 0,4000    | Rp 178.000,00      | Rp 71.200,00       |
|                                             | Mandor                                                |         | Oh                  | 0,2000    | Rp 262.000,00      | Rp 52.400,00       |
| b.                                          | Jumlah Alat + Bahan                                   |         |                     |           |                    | Rp 123.600,00      |
| c.                                          | Overhead & Provit 15%                                 |         |                     |           |                    | Rp 18.540,00       |
| d.                                          | Harga Satuan Pekerjaan ( B + C)                       |         |                     |           |                    | Rp 142.140,00      |
|                                             | Jadi untuk 10 m² membongkar lantai diperlukan         |         |                     |           |                    | Rp 142.140,00      |
|                                             | Maka untuk 1 m² membongkar lantai diperlukan 1/10-nya |         |                     |           |                    | Rp 14.214,00       |
| E.13 a Pemancangan 1 m' Cerucuk Galam       |                                                       |         |                     |           |                    |                    |
| No                                          | Uraian                                                | Kode    | Satuan              | Koefisien | Harga Satuan (Rp.) | Jumlah Harga (Rp.) |
| A                                           | Tenaga Kerja                                          |         |                     |           |                    |                    |
| 1                                           | Pekerja                                               | L.01    | OH                  | 0,0180    | 178.000,00         | Rp 3.204,00        |
| 2                                           | Tukang kayu                                           | L.02    | OH                  | 0,0040    | 183.000,00         | Rp 732,00          |
| 3                                           | Kepala tukang kayu                                    | L.03    | OH                  | 0,0001    | 210.000,00         | Rp 21,00           |
| 4                                           | Mandor                                                | L.04    | OH                  | 0,0050    | 262.000,00         | Rp 1.310,00        |
| Jumlah Harga Tenaga Kerja                   |                                                       |         |                     |           |                    | Rp 5.267,00        |
| B                                           | Bahan                                                 |         |                     |           |                    |                    |
| 1                                           | Cerucuk galam                                         |         | M                   | 1,1000    | 7.875,00           | Rp 8.662,50        |
| Jumlah Harga Bahan                          |                                                       |         |                     |           |                    | Rp 8.662,50        |
| C                                           | Peralatan                                             |         |                     |           |                    |                    |
| Jumlah Harga Peralatan                      |                                                       |         |                     |           |                    | Rp -               |
| D                                           | Jumlah Harga Tenaga, Bahan dan Peralatan (A+B+C)      |         |                     |           |                    | Rp 13.929,50       |
| E                                           | Overhead & Provit 15%                                 |         | 15%                 | x D       |                    | Rp 2.089,43        |
| F                                           | Harga Satuan Pekerjaan per - m3 (D+E)                 |         |                     |           |                    | Rp 16.018,93       |
|                                             |                                                       |         |                     |           | Panjang 4 m'       | Rp 64.075,70       |
| Ls. PVC Pemasangan 1 m2 Plafond PVC         |                                                       |         |                     |           |                    |                    |
| No                                          | Uraian                                                | Kode    | Satuan              | Koefisien | Harga Satuan (Rp.) | Jumlah Harga (Rp.) |
| A                                           | TENAGA                                                |         |                     |           |                    |                    |
|                                             | Pekerja                                               | L.01.01 | OH                  | 0,1500    | Rp 178.000,00      | Rp 26.700,00       |
|                                             | Tukang Kayu                                           | L.02.04 | OH                  | 0,1500    | Rp 183.000,00      | Rp 27.450,00       |
|                                             | Kepala tukang                                         | L.03.01 | OH                  | 0,0150    | Rp 210.000,00      | Rp 3.150,00        |
|                                             | Mandor                                                | L.04.01 | OH                  | 0,0050    | Rp 262.000,00      | Rp 1.310,00        |
|                                             |                                                       |         | JUMLAH TENAGA KERJA |           |                    | Rp 58.610,00       |
| B                                           | BAHAN                                                 |         |                     |           |                    |                    |
|                                             | Plafond PVC                                           |         | M'                  | 5,0000    | Rp 13.250,00       | Rp 66.250,00       |
|                                             | Screw                                                 |         | bh                  | 18,0000   | Rp 100,00          | Rp 1.800,00        |
|                                             |                                                       |         | JUMLAH HARGA BAHAN  |           |                    | Rp 68.050,00       |
| C                                           | PERALATAN                                             |         |                     |           | -                  | -                  |
|                                             |                                                       |         | JUMLAH HARGA ALAT   |           |                    | -                  |
| D                                           | Jumlah (A+B+C)                                        |         |                     |           | -                  | Rp 126.660,00      |
| E                                           | Overhead & Provit 15%                                 |         |                     | 15%       |                    | Rp 18.999,00       |
| F                                           | Harga Satuan Pekerjaan (D+E)                          |         |                     |           | -                  | Rp 145.659,00      |

| Ls. List PVC |                                                      | Pemasangan 1 M' List Plafond PVC                        |                     |           |                    |                    |
|--------------|------------------------------------------------------|---------------------------------------------------------|---------------------|-----------|--------------------|--------------------|
| No           | Uraian                                               | Kode                                                    | Satuan              | Koefisien | Harga Satuan (Rp.) | Jumlah Harga (Rp.) |
| A            | TENAGA                                               |                                                         |                     |           |                    |                    |
|              | Pekerja                                              | L.01.01                                                 | OH                  | 0,0500    | Rp 178.000,00      | Rp 8.900,00        |
|              | Tukang Kayu                                          | L.02.04                                                 | OH                  | 0,0500    | Rp 183.000,00      | Rp 9.150,00        |
|              | Kepala tukang                                        | L.03.01                                                 | OH                  | 0,0050    | Rp 210.000,00      | Rp 1.050,00        |
|              | Mandor                                               | L.04.01                                                 | OH                  | 0,0030    | Rp 262.000,00      | Rp 786,00          |
|              |                                                      |                                                         | JUMLAH TENAGA KERJA |           |                    | Rp 19.886,00       |
| B            | BAHAN                                                |                                                         |                     |           |                    |                    |
|              | Plafond PVC (setara Shunda Plafon, Flat Gloss Half S |                                                         | M'                  | 1,0000    | Rp 17.500,00       | Rp 17.500,00       |
|              | Screw                                                |                                                         | bh                  | 3,0000    | Rp 100,00          | Rp 300,00          |
|              |                                                      |                                                         | JUMLAH HARGA BAHAN  |           |                    | Rp 17.800,00       |
| C            | PERALATAN                                            |                                                         |                     |           | -                  | -                  |
|              |                                                      |                                                         | JUMLAH HARGA ALAT   |           |                    | -                  |
| D            | Jumlah (A+B+C)                                       |                                                         |                     |           | -                  | Rp 37.686,00       |
| E            | Overhead & Provit 15%                                |                                                         |                     | 15%       |                    | Rp 5.652,90        |
| F            | Harga Satuan Pekerjaan (D+E)                         |                                                         |                     |           | -                  | Rp 43.338,00       |
| Ls. ACP      |                                                      | Ls. PVC Pemasangan 1 m2 Aluminium Composite Panel (ACP) |                     |           |                    |                    |
| No           | Uraian                                               | Kode                                                    | Satuan              | Koefisien | Harga Satuan (Rp.) | Jumlah Harga (Rp.) |
| A            | TENAGA                                               |                                                         |                     |           |                    |                    |
|              | Pekerja                                              | L.01.01                                                 | OH                  | 1,0000    | Rp 178.000,00      | Rp 178.000,00      |
|              | Tukang Besi / Las                                    | L.02.04                                                 | OH                  | 0,7500    | Rp 183.000,00      | Rp 137.250,00      |
|              | Kepala tukang Besi / Las                             | L.03.01                                                 | OH                  | 0,1250    | Rp 210.000,00      | Rp 26.250,00       |
|              | Mandor                                               | L.04.01                                                 | OH                  | 0,0250    | Rp 262.000,00      | Rp 6.550,00        |
|              |                                                      |                                                         | JUMLAH TENAGA KERJA |           |                    | Rp 348.050,00      |
| B            | BAHAN                                                |                                                         |                     |           |                    |                    |
|              | Aluminium Composite Panel (ACP)                      |                                                         | m2                  | 1,1000    | Rp 312.500,00      | Rp 343.750,00      |
|              | Hollow Besi Uk. 2x4x1                                |                                                         | Btg                 | 0,8000    | Rp 75.000,00       | Rp 60.000,00       |
|              | Braket Siku/ Spigot                                  |                                                         | Btg                 | 0,2670    | Rp 83.000,00       | Rp 22.161,00       |
|              | Paku Krup Beton                                      |                                                         | Kg                  | 0,0800    | Rp 36.700,00       | Rp 2.936,00        |
|              | Paku Skrup                                           |                                                         | Kg                  | 0,1100    | Rp 26.200,00       | Rp 2.882,00        |
|              | Sealent                                              |                                                         | Tube                | 0,2500    | Rp 30.200,00       | Rp 7.550,00        |
|              |                                                      |                                                         | JUMLAH HARGA BAHAN  |           |                    | Rp 439.279,00      |
| C            | PERALATAN                                            |                                                         |                     |           | -                  | -                  |
|              | Sewa scaffolding (per 30 hari)                       |                                                         | Set                 | 0,5000    | Rp 80.000,00       | Rp 40.000,00       |
|              |                                                      |                                                         | JUMLAH HARGA ALAT   |           |                    | 40.000,00          |
| D            | Jumlah (A+B+C)                                       |                                                         |                     |           | -                  | Rp 827.329,00      |
| E            | Overhead & Provit 15%                                |                                                         |                     | 15%       |                    | Rp 124.099,35      |
| F            | Harga Satuan Pekerjaan (D+E)                         |                                                         |                     |           | -                  | Rp 951.428,00      |

DAFTAR STANDAR HARGA SATUAN BARANG DAN JASA  
 PERIODE : SEMESTER II TAHUN 2023

I. UPAH TENAGA KERJA KONSTRUKSI

| NO       | URAIAN / JENIS BAHAN                  | SATUAN     | HARGA KOTA<br>PALANGKA RAYA |
|----------|---------------------------------------|------------|-----------------------------|
| 1        | 2                                     | 3          | 4                           |
| <b>A</b> | <b>PEKERJAAN TANAH DAN BATU/BETON</b> |            |                             |
| 1        | Mandor Tukang Batu                    | Orang/Hari | Rp 262.000,00               |
| 2        | Tukang Gali Tanah                     | Orang/Hari | Rp 173.000,00               |
| 3        | Kepala Tukang Batu                    | Orang/Hari | Rp 210.000,00               |
| 4        | Tukang Batu                           | Orang/Hari | Rp 183.000,00               |
|          |                                       |            |                             |
| <b>B</b> | <b>PEKERJAAN BESI</b>                 |            |                             |
| 1        | Mandor Tukang Besi                    | Orang/Hari | Rp 262.000,00               |
| 2        | Kepala Tukang Besi                    | Orang/Hari | Rp 210.000,00               |
| 3        | Tukang Besi                           | Orang/Hari | Rp 183.000,00               |
|          |                                       |            |                             |
| <b>C</b> | <b>PEKERJAAN KAYU</b>                 |            |                             |
| 1        | Mandor Tukang Kayu                    | Orang/Hari | Rp 262.000,00               |
| 2        | Kepala Tukang Kayu                    | Orang/Hari | Rp 210.000,00               |
| 3        | Tukang Kayu                           | Orang/Hari | Rp 183.000,00               |
|          |                                       |            |                             |
| <b>D</b> | <b>PEKERJAAN CAT</b>                  |            |                             |
| 1        | Mandor Tukang Cat                     | Orang/Hari | Rp 262.000,00               |
| 2        | Kepala Tukang Cat                     | Orang/Hari | Rp 210.000,00               |
| 3        | Tukang Cat                            | Orang/Hari | Rp 183.000,00               |
|          |                                       |            |                             |
| <b>E</b> | <b>PEKERJA/BURUH</b>                  |            |                             |
| 1        | Laden Tukang                          | Orang/Hari | Rp 178.000,00               |
| 2        | Tukang Pancang                        | Orang/Hari | Rp 183.000,00               |

II HARGA SATUAN BAHAN DAN MATERIAL

| No.       | KELOMPOK / NAMA BAHAN / MATERIAL                      | SATUAN | MERK / TIPE / MODEL | HARGA SATUAN<br>DASAR SEMESTER II | KETERANGAN |
|-----------|-------------------------------------------------------|--------|---------------------|-----------------------------------|------------|
| 1         | 2                                                     | 3      | 4                   | 5                                 | 6          |
| <b>A.</b> | <b>Kelompok Batu, Pasir, Tanah dan Material Beton</b> |        |                     |                                   |            |
| 1         | Bata Merah Lokal (9,0x20x3,5 cm)                      | Buah   |                     | Rp 1.500,00                       |            |
| 2         | Batu Pecah 1-2 cm. (split)                            | m3     |                     | Rp 625.000,00                     |            |
| 3         | Pasir Beton                                           | m3     |                     | Rp 360.000,00                     |            |
| 4         | Pasir Pasang                                          | m3     |                     | Rp 330.000,00                     |            |
| 5         | Pasir Urug                                            | m3     |                     | Rp 237.500,00                     |            |
| 6         | Semen Portland (Semen PC) (40 Kg/Zak)                 | Zak    | Gresik              | Rp 79.819,82                      |            |
| 7         | Semen Portland (Semen PC) (40 Kg/Zak)                 | Zak    | Conch               | Rp 61.600,00                      |            |
| 8         | Semen Warna                                           | Kg     | MU                  | Rp 18.700,00                      |            |
| 9         | Tanah Urug Biasa/Granit                               | M3     |                     | Rp 237.500,00                     |            |
| 10        | Semen Portland (Semen PC) Gresik                      | Kg     | Gresik              | Rp 1.995,50                       |            |
| 11        | Semen Portland (Semen PC) Conch                       | Kg     | Conch               | Rp 1.540,00                       |            |
| 12        | Batako                                                | Buah   |                     | Rp 3.200,00                       |            |
| 13        | Adukan Beton Ready Mix K. 100 ( Tanpa Pompa+ Slang)   | m3     |                     | Rp 1.375.500,00                   |            |
| 14        | Adukan Beton Ready Mix K. 200 ( Tanpa Pompa+ Slang)   | m3     |                     | Rp 1.533.000,00                   |            |
| 15        | Adukan Beton Ready Mix K. 225 ( Tanpa Pompa+ Slang)   | m3     |                     | Rp 1.585.500,00                   |            |
| 16        | Adukan Beton Ready Mix K. 250 ( Tanpa Pompa+ Slang)   | m3     |                     | Rp 1.622.200,00                   |            |
| 17        | Adukan Beton Ready Mix K. 300 ( Tanpa Pompa+ Slang)   |        |                     | Rp 1.732.500,00                   |            |
| 18        | Bata Rooster ( Karawang)                              | Buah   |                     | Rp 18.000,00                      |            |
| 19        | Bata Ringan (Hebel) 10x20x60 cm.                      | Buah   |                     | Rp 13.300,00                      |            |
| 20        | Bata Ringan (Hebel) 7,5x20x60 cm.                     | Buah   |                     | Rp 12.000,00                      |            |
| 21        | Paving Stone                                          | Buah   |                     | Rp 2.300,00                       |            |
| 22        | Mortar Perekat Bata Ringan                            | Zak    | Roxbond             | Rp 90.000,00                      |            |
| 23        | Semen Portland (Semen PC) (40 Kg/Zak)                 | Zak    | Gresik              | Rp 1.995,50                       |            |
| 24        | Semen Portland (Semen PC) (40 Kg/Zak)                 | Zak    | Gresik              | Rp 1.540,00                       |            |
|           |                                                       |        |                     |                                   |            |
| <b>B</b>  | <b>KELOMPOK MATERIAL BAHAN KAYU :</b>                 |        |                     |                                   |            |
| 1         | Balok Kayu Klas I (Ulin) 5/10 - P.4 m                 | M3     |                     | Rp 8.925.000,00                   |            |
| 2         | Balok Kayu Klas I (Ulin) 5/7 - P.4 m                  | M3     |                     | Rp 8.610.000,00                   |            |
| 3         | Balok Kayu Klas I (Ulin) 10/10 - P.4 m                | M3     |                     | Rp 9.450.000,00                   |            |
| 4         | Balok Kayu Klas II (Banuas)                           | M3     |                     | Rp 5.775.000,00                   |            |
| 5         | Balok Kayu Klas II (Lanan)                            | M3     |                     | Rp 3.500.000,00                   |            |
| 6         | Balok Kayu Klas III (Hutan/Campuran)                  | M3     |                     | Rp 2.725.000,00                   |            |
| 7         | Kayu Bekisting (Albasiah/Stoot)                       | M3     |                     | Rp 2.625.000,00                   |            |
| 8         | Kayu Dolken/Galam Ø 10-12 cm, P.4 m                   | Batang |                     | Rp 31.500,00                      |            |
| 9         | Kayu Bulat (Utk Perancah) P.4 m                       | Batang |                     | Rp 13.000,00                      |            |
| 10        | Kayu Lapis Triplek 6 mm 120 x 240 cm                  | Lembar | Plywood             | Rp 189.000,00                     |            |
| 11        | Kayu Lapis Triplek 9 mm 120 x 240 cm                  | Lembar | Plywood             | Rp 249.900,00                     |            |
| 12        | Papan Kayu Klas I (Ulin)                              | M3     |                     | Rp 15.225.000,00                  |            |
| 13        | Papan Kayu Klas II (Banuas)                           | M3     |                     | Rp 6.825.000,00                   |            |
| 14        | Papan Kayu Klas III (Kayu Hutan/Campuran)             | M3     |                     | Rp 1.890.000,00                   |            |
| 15        | Papan Kayu Klas II Meranti 2/20-Pjg.4 m               | M3     |                     | Rp 4.200.000,00                   |            |
| 16        | Kayu Reng Klas II (Meranti) 3/5 - P. 4 m              | Batang |                     | Rp 10.500,00                      |            |
| 17        | List Kayu Profil (Moulding) 4 cm                      | Batang |                     | Rp 21.000,00                      |            |

|    |                                                                       |        |             |    |            |
|----|-----------------------------------------------------------------------|--------|-------------|----|------------|
| C  | KELOMPOK MATERIAL BAHAN BAJA, BESI, SENG, ALUMUNIUM DAN LOGAM LAINNYA |        |             |    |            |
| 1  | Besi Beton Polos Ø 6 mm - P.11 m                                      | Btg    |             | Rp | 56.000,00  |
| 2  | Besi Beton Polos Ø 8 mm - P.12 m( SNI )                               | Btg    |             | Rp | 76.000,00  |
| 3  | Besi Beton Polos Ø 10 mm - P.12 m( SNI )                              | Btg    |             | Rp | 110.000,00 |
| 4  | Besi Beton Polos Ø 12 mm - P.12 m( SNI )                              | Btg    |             | Rp | 149.600,00 |
| 5  | Besi Beton Polos Ø 16 mm - P.12 m( SNI )                              | Btg    |             | Rp | 266.200,00 |
| 6  | Besi Beton Polos Ø 22 mm - P.12 m( SNI )                              | Btg    |             | Rp | 396.000,00 |
| 7  | Besi Beton Polos                                                      | Kg     |             | Rp | 13.300,00  |
| 8  | Rangka Atap Baja Ringan (zincalume) C 75x35x0,75                      | Btg    | Taso        | Rp | 131.000,00 |
| 9  | Besi Baja Ringan (Reng) (SNI)                                         | Btg    | Taso        | Rp | 65.000,00  |
| 10 | Rangka Atap Baja Ringan (zincalume) C 75x35x0,75                      | Btg    | Prima Truss | Rp | 98.000,00  |
| 11 | Besi Baja Ringan (Reng) (SNI)                                         | Btg    | Prima Truss | Rp | 41.000,00  |
| 12 | Rangka Plafond Baja Ringan ( Zincalume ) Hollow 20 x 40 x 0,3 mm      | Btg    | Hollow      | Rp | 28.800,00  |
| 13 | Rangka Plafond Baja Ringan ( Zincalume ) Hollow 40 x 40 x 0,3 mm      | Btg    | Hollow      | Rp | 37.800,00  |
| 14 | Atap Inspiro Charcoal Blue                                            | Lbr    | Zigzag      | Rp | 79.500,00  |
| 15 | Bubungan                                                              | Buah   | Zigzag      | Rp | 35.000,00  |
| 16 | Seng Plat Talang Jurai                                                | M'     |             | Rp | 47.000,00  |
| 17 | Besi Beton Polos Ø 16 mm - P.12 m( SNI )                              | Kg     |             | Rp | 14.057,88  |
| 18 | Kawat Beton/Bendrat                                                   | Kg     |             | Rp | 35.700,00  |
| 19 | Besi Hollow Galvanis 2x4x0,8 mm                                       | Btg    |             | Rp | 75.000,00  |
| 20 | Besi Hollow Galvanis 4x4x0,8 mm                                       | Btg    |             | Rp | 92.000,00  |
| 21 | Besi Hollow Galvanis 4x6x0,8 mm                                       | Btg    |             | Rp | 150.000,00 |
| 22 | Pipa Galvanis Diameter 1/2 inch P.6m                                  | Btg    |             | Rp | 70.000,00  |
| 23 | Pipa Galvanis Diameter 3/4 inch P.6m                                  | Btg    |             | Rp | 90.000,00  |
| 24 | Pipa Galvanis Diameter 1 inch P.6m                                    | Btg    |             | Rp | 120.000,00 |
| 25 | Pipa Galvanis Diameter 1 1/2 inch P.6m                                | Btg    |             | Rp | 153.000,00 |
| 26 | Pipa Galvanis Diameter 2 inch P.6m                                    | Btg    |             | Rp | 193.000,00 |
| 27 | Pipa Galvanis Diameter 1/2 inch P.6m                                  | Btg    |             | Rp | 70.000,00  |
| 28 | Pagar Railing Stainless Steel                                         | M2     |             | Rp | 810.810,81 |
| 29 | beugel plat Kuda-kuda 10x15 cm                                        | Buah   |             | Rp | 20.400,00  |
| 30 | Papan Plafond kaisiboard tbl. 3,5 mm (120x240 cm)                     | Lembar | Nusaboard   | Rp | 53.000     |
| 31 | Gypsum Board (120x240x9)                                              | Lembar |             | Rp | 78.000     |
| 32 | List Profil Gypsum Uk. Sedang ( 10 cm)                                | M'     | SP          | Rp | 42.000     |
| 33 | Dempul Gypsum @ 20 Kg                                                 | Zak    | Aplus       | Rp | 89.200     |
| 34 | Dempul Gypsum                                                         | Kg     | Aplus       | Rp | 4.460      |
| 35 | Paku Kayu 2, 3, 4 , 5 inch                                            | Kg     | Paku JKT    | Rp | 24.000,00  |
| 36 | Paku Kayu 1,5"                                                        | Kg     | Paku JKT    | Rp | 26.200     |
| 37 | Paku Ulin                                                             | Kg     |             | Rp | 36.700,00  |
| 38 | Paku Payung/paku Seng                                                 | Kg     |             | Rp | 47.200,00  |
| 38 | Paku Beton                                                            | Kg     |             | Rp | 36.700,00  |
| 39 | Baut/Mur                                                              | Kg     |             | Rp | 36.700,00  |
| 39 | Kawat Las Rb26                                                        | Doz    |             | Rp | 247.567,57 |
| 40 | Lisplang GRC 8mm                                                      | Lembar | Nusaboard   | Rp | 57.700,00  |
| 40 | Skrup atap                                                            | Kotak  |             | Rp | 135.000,00 |
| 41 | Aluminium Composite Panel (ACP)                                       | Lembar | Marks       | Rp | 900.000,00 |
| 41 | Plafond PVC                                                           | Lembar |             | Rp | 53.000,00  |
| 42 | List Plafond PVC                                                      | Lembar |             | Rp | 17.500,00  |
| 42 | Sealent                                                               | Tube   |             | Rp | 30.200,00  |
|    |                                                                       |        |             |    |            |
| E. | Kelompok Material Lantai                                              |        |             |    |            |
| 1  | Keramik 25/25 Corak / Warna Km/ WC                                    | Dos    | Uno         | Rp | 70.000,00  |
| 2  | Keramik 25/40 Corak / Warna                                           | Dos    | Uno         | Rp | 84.000,00  |
| 3  | Keramik Granito 60/60 (Kasar)                                         | Duz    | Ceranos     | Rp | 240.000,00 |
| 5  | Keramik 40/40 (Kasar)                                                 | Dos    | KIA         | Rp | 62.000     |
| 6  | Keramik 40/40 (Polished)                                              | Dos    | KIA         | Rp | 58.000     |
| 7  | Plint Keramik 40/40                                                   | Bh     |             | Rp | 2.416,67   |
| 8  | Plint Keramik Granito 60/60                                           | Bh     |             | Rp | 12.222     |
|    |                                                                       |        |             |    |            |
| F. | Kelompok Kaca, Material Pintu dan Jendela                             |        |             |    |            |
| 1  | Engsel Jendela 3"                                                     | Pasang | Gomeo       | Rp | 25.000,00  |
| 2  | Engsel Jendela 3"                                                     | Pasang | Kodai       | Rp | 25.000,00  |
| 3  | Engsel Pintu 4"                                                       | Pasang | Gomeo       | Rp | 30.000,00  |
| 4  | Engsel Pintu 5"                                                       | Pasang | Kodai       | Rp | 35.000,00  |
| 5  | Grendel 4"                                                            | Buah   | Solid       | Rp | 88.200,00  |
| 6  | Grendel 4"                                                            | Buah   | Kodai       | Rp | 15.000,00  |
| 7  | Grendel 2"                                                            | Buah   | Kodai       | Rp | 10.000,00  |
| 8  | Grendel Tanam                                                         | Buah   | Kodai       | Rp | 110.000,00 |
| 9  | Kait Angin                                                            | Buah   | Camel       | Rp | 35.000,00  |
| 10 | Kait Angin                                                            | Buah   |             | Rp | 25.000,00  |
| 11 | Spring Knip                                                           | Buah   | Solid       | Rp | 35.000,00  |
| 12 | Handel Jendela                                                        | Buah   |             | Rp | 15.000,00  |
| 13 | Handel Jendela                                                        | Buah   | Solid       | Rp | 47.200,00  |
| 14 | Kunci Pintu Tanam Lengkap                                             | Set    | Kodai       | Rp | 135.000,00 |
| 15 | Kaca Polos                                                            | m2     |             | Rp | 115.500,00 |
| 16 | Kaca Tempered 5mm                                                     | m2     |             | Rp | 241.500,00 |
| 17 | Kaca Tempered 8mm                                                     | m2     |             | Rp | 420.000,00 |
| 18 | Kaca Tempered 10mm                                                    | m2     |             | Rp | 451.500,00 |
| 19 | Glass Blok 20x20                                                      | Buah   | Mulia       | Rp | 29.400,00  |
| 20 | Door Closer                                                           | Buah   | Solid       | Rp | 315.000,00 |
|    |                                                                       |        |             |    |            |

|           |                                                         |        |                    |    |              |
|-----------|---------------------------------------------------------|--------|--------------------|----|--------------|
| <b>G</b>  | <b>KELOMPOK MATERIAL BAHAN SANITAIR</b>                 |        |                    |    |              |
| 1         | Closet Duduk Putih Lengkap                              | Set    | American Standart  | Rp | 1.680.000,00 |
| 2         | Closet Jongkok Putih Lengkap                            | Buah   | American Standart  | Rp | 330.000,00   |
| 3         | Closet Jongkok Putih Lengkap                            | Buah   | INA                | Rp | 262.500,00   |
| 4         | drain floor Stainlees                                   | Buah   | Jangkar Mas        | Rp | 25.000,00    |
| 5         | kran air biasa 3/4                                      | Buah   | Onda               | Rp | 65.000,00    |
| 6         | kran air Stainless                                      | Buah   | Onda               | Rp | 95.000,00    |
| 7         | seal tape                                               | Buah   | Onda               | Rp | 13.000,00    |
| 8         | Tangki Air / reservoir 2200 Liter                       | Buah   | Profil Tank        | Rp | 3.100.000,00 |
| 9         | Tangki Air / reservoir 650L                             | Buah   | Grand              | Rp | 1.100.000,00 |
| 10        | Wastafel Tanpa Cermin                                   | Buah   | American Standart  | Rp | 708.700,00   |
| 11        | Profil tank 1200 L dan instalasi nya                    | Buah   | Profil Tank        | Rp | 1.675.000,00 |
|           |                                                         |        |                    |    |              |
| <b>H</b>  | <b>KELOMPOK MATERIAL BAHAN CAT, PEREKAT DAN PELAPIS</b> |        |                    |    |              |
| 1         | cat besi                                                | Kg     | Platone            | Rp | 68.200,00    |
| 2         | cat kayu                                                | Kg     | Platone            | Rp | 65.500,00    |
| 3         | cat kayu dasar                                          | Kg     | Kansai             | Rp | 57.700,00    |
| 4         | Cat Dinding Dasar                                       | Kg     | Danapaint          | Rp | 1.100.000,00 |
| 5         | cat tembok Exterior                                     | Peil   | Jotun Tough Shield | Rp | 1.000.000,00 |
| 6         | Cat Tembok Interior                                     | Kg     | Cendana            | Rp | 825.000,00   |
| 7         | Cat Plafond                                             | Kg     | Vinilex            | Rp | 800.000,00   |
| 8         | Lem Kuning                                              | Gram   | Fox                | Rp | 62.500,00    |
| 9         | Lem Putih                                               | Kg     | Fox                | Rp | 62.500,00    |
| 10        | Meni Kayu                                               | Kg     | Indian             | Rp | 35.000,00    |
| 11        | Minyak Cat / Thinner                                    | Kaleng | Pegasus            | Rp | 115.000,00   |
| 12        | Plamur Kayu                                             | Kg     | Nipon Paint        | Rp | 68.200,00    |
| 13        | Plamur Tembok (5 kg/peil)                               | Kg     | Matex              | Rp | 65.100,00    |
| 14        | Waterproof                                              | Kg     | No drop            | Rp | 262.500,00   |
| 15        | Roll cat                                                | Buah   | Imundex            | Rp | 32.000,00    |
| 16        | Kuas 4inch                                              | Buah   | eterna             | Rp | 23.000,00    |
| 17        | Sealant                                                 | tube   |                    | Rp | 85.400,00    |
| 18        | Minyak Bekisting                                        | Liter  |                    | Rp | 102.612,61   |
| 19        | Soda Api                                                | Kg     |                    | Rp | 12.000,00    |
|           |                                                         |        |                    |    |              |
| <b>I</b>  | <b>KELOMPOK MATERIAL MEKANIKAL DAN ELEKTRIKAL</b>       |        |                    |    |              |
| 1         | Fitting Plafond                                         | Buah   | Broco              | Rp | 26.200,00    |
| 2         | Kabel NYA 1,5 mm                                        | m      | Extrana            | Rp | 3.200,00     |
| 3         | Kabel NYM 2 X 1,5 mm                                    | m      | Eterna             | Rp | 13.600,00    |
| 4         | Kabel NYM 2 X 2,5 mm                                    | m      | Extrana            | Rp | 16.000,00    |
| 5         | LampuLed Bulb Hori 16 Watt                              | Buah   | Hori               | Rp | 57.000,00    |
| 6         | Lampu Hori Led Bulb 5 watt                              | Buah   | Hori               | Rp | 30.000,00    |
| 7         | LampuLed Bulb Panasonic 16 Watt                         | Buah   | Panasonic          | Rp | 62.000,00    |
| 8         | Lampu panasonic Led Bulb 5 watt                         | Buah   | Panasonic          | Rp | 35.000,00    |
| 9         | Saklar Tunggal, double                                  | Buah   | Broco              | Rp | 21.000,00    |
| 10        | Stop Kontak Crem                                        | Buah   | Broco              | Rp | 19.400,00    |
| 11        | Mcb 1 Ph 10 A                                           | Buah   | Schneider          | Rp | 93.000,00    |
| 12        | Fitting Downlight 3,5inch                               | Buah   | Philips            | Rp | 72.000,00    |
| 13        | Isolasi                                                 | m      | National           | Rp | 14.000,00    |
|           |                                                         |        |                    |    |              |
| <b>K.</b> | <b>KELOMPOK MATERIAL PERPIPAAN AIR BERSIH</b>           |        |                    |    |              |
| 1         | Pipa PVC AW Ø 3/4" - P.4 m                              | Batang | Wavin              | Rp | 44.100,00    |
| 2         | Pipa PVC AW Ø 1/2" - P.4 m                              | Batang | Wavin              | Rp | 36.700,00    |
| 3         | Pipa PVC AW Ø 2" - P. 4 m                               | Batang | Mavin              | Rp | 152.200,00   |
| 4         | Pipa PVC AW Ø 2-1/2" - P. 4 m                           | Batang | Mavin              | Rp | 220.500,00   |
| 5         | pipa PVC AW Ø 4" - P.4m                                 | Batang | Mavin              | Rp | 470.900,90   |
| 6         | Kloset Jongkok                                          | Buah   | American Standart  | Rp | 438.000,00   |
| 7         | Flexible hose                                           | Unit   |                    | Rp | 50.000,00    |
| 8         | Bak Fiber 40 L                                          | Bh     |                    | Rp | 150.000,00   |
|           |                                                         |        |                    |    |              |

URAIAN BIAYA KESELAMATAN DAN KESEHATAN KERJA (K3)  
Lanjutan Pembangunan Kelas Baru SMPN 1 Palangka Raya

| NO | Uraian Pekerjaan                                                   | Volume | Satuan | Harga Satuan    | Jumlah Harga     | Keterangan |
|----|--------------------------------------------------------------------|--------|--------|-----------------|------------------|------------|
| 1  | Penyiapan SMK3                                                     |        |        |                 |                  |            |
|    | Pembuatan Dokumen Manual, Prosedur, Instruksi Kerja dan Ijin Kerja | 1,00   | set    | Rp 1.735.000,00 | Rp 1.735.000,00  |            |
|    |                                                                    |        |        | TOTAL           | Rp 1.735.000,00  |            |
| 2  | Sosialisasi dan Promosi K3                                         |        |        |                 |                  |            |
|    | Spanduk (banner)                                                   | 1,00   | lbr    | Rp 100.000,00   | Rp 100.000,00    |            |
|    | Papan informasi K3                                                 | 1,00   | bh     | Rp 100.000,00   | Rp 100.000,00    |            |
|    |                                                                    |        |        | TOTAL           | Rp 200.000,00    |            |
| 3  | Alat Pelindung Diri                                                |        |        |                 |                  |            |
|    | Safety Helmet                                                      | 20,00  | bh     | Rp 60.000,00    | Rp 1.200.000,00  |            |
|    | Masker                                                             | 5,00   | Kotak  | Rp 75.000,00    | Rp 375.000,00    |            |
|    | Sarung Tangan                                                      | 20,00  | psg    | Rp 20.000,00    | Rp 400.000,00    |            |
|    | Sepatu Keselamatan                                                 | 20,00  | psg    | Rp 141.500,00   | Rp 2.830.000,00  |            |
|    | Rompi                                                              | 20,00  | bh     | Rp 35.000,00    | Rp 700.000,00    |            |
|    |                                                                    |        |        | TOTAL           | Rp 5.505.000,00  |            |
| 7  | Fasilitas Sarana Kesehatan                                         |        |        |                 |                  |            |
|    | Peralatan P3K                                                      | 1,00   | Ls     | Rp 1.500.000,00 | Rp 1.500.000,00  |            |
|    | Tandon Air dan pencuci tangan (Sabun cair)                         | 1,00   | Ls     | Rp 500.000,00   | Rp 500.000,00    |            |
|    |                                                                    |        |        | TOTAL           | Rp 2.000.000,00  |            |
| 8  | Rambu-Rambu K3                                                     |        |        |                 |                  |            |
|    | Rambu Petunjuk                                                     | 1,00   | bh     | Rp 150.000,00   | Rp 150.000,00    |            |
|    | Rambu Larangan                                                     | 1,00   | bh     | Rp 150.000,00   | Rp 150.000,00    |            |
|    | Rambu Peringatan                                                   | 1,00   | bh     | Rp 150.000,00   | Rp 150.000,00    |            |
|    |                                                                    |        |        | TOTAL           | Rp 450.000,00    |            |
| 9  | Lain-lain terkait Pengendalian Resiko K3                           |        |        |                 |                  |            |
|    | Bendera K3                                                         | 2,00   | bh     | Rp 55.000,00    | Rp 110.000,00    |            |
|    |                                                                    |        |        | TOTAL           | Rp 110.000,00    |            |
|    | TOTAL BIAYA K3                                                     |        |        |                 | Rp 10.000.000,00 |            |