



LAMPIRAN

بِسْمِ اللَّهِ الرَّحْمَنِ الرَّحِيمِ

Lampiran 1 Data harga bahan dan upah pekerja

| NO | UPAH/ BAHAN | SATUAN | HARGA |
|----|-------------------------------|--------|------------------|
| | UPAH: | | |
| 1 | Mandor | Oh | Rp 150.000,00 |
| 2 | Pekerja | Oh | Rp 100.000,00 |
| 3 | Tukang Batu | Oh | Rp 120.000,00 |
| 4 | Tukang Kayu | Oh | Rp 120.000,00 |
| 5 | Tukang Pipa | Oh | Rp 120.000,00 |
| 6 | Tukang Besi | Oh | Rp 120.000,00 |
| 7 | Tukang Cat | Oh | Rp 120.000,00 |
| 8 | Kepala Tukang | Oh | Rp 140.000,00 |
| 9 | Pekerja Pek.Baja Ringan | Oh | Rp 90.000,00 |
| 10 | Tukang Pek.Baja Ringan | Oh | Rp 100.000,00 |
| 11 | Kepala Tukang Pek.Baja Ringan | Oh | Rp 120.000,00 |
| 12 | Mandor Pek. Baja Ringan | Oh | Rp 130.000,00 |

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|----|----------------------------------|--|-----|--------------------|
| | BAHAN | | | |
| | : | | | |
| | BAHAN AGREGAT | | | |
| 1 | Batu Kali | | M3 | Rp 216.600,00 |
| 2 | Kerekel Beton | | M3 | Rp 180.500,00 |
| 3 | Pasir Pasang | | M3 | Rp 181.000,00 |
| 4 | Pasir Beton | | M3 | Rp 171.000,00 |
| 5 | Pasir Urug | | M3 | Rp 166.000,00 |
| 6 | Pasir Saring | | M3. | Rp 171.000,00 |
| 7 | Tanah Urug | | M3 | Rp 90.000,00 |
| 8 | Batu Bata | | Bh | Rp 900,00 |
| 9 | Batu Alam | | M2 | Rp 85.000,00 |
| 10 | Semen Portland (50 Kg) | | Zak | Rp 65.000,00 |
| 11 | Semen Warna | | Kg | Rp 13.000,00 |
| 12 | Air | | Ltr | Rp 150,00 |
| 13 | Beton Ready Mixed K-250 | | M3 | Rp 1.295.000,00 |
| 14 | Sewa Pompa Beton / Concrete Pump | | M3 | Rp 35.000,00 |
| 15 | Paving Block t.6 cm | | Bh | Rp 1.900,00 |

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|----|-----------------------|--|------|--------------------|
| | BAHAN KAYU | | | |
| | Kayu Kelas I : | | | |
| 1 | Papan | | M3 | Rp 3.300.000,00 |
| 2 | Balok | | M3 | Rp 3.300.000,00 |
| | Kayu Kelas II : | | | |
| 3 | Papan | | M3 | Rp 2.300.000,00 |
| 4 | Balok | | M3 | Rp 2.500.000,00 |
| | Kayu Kelas III : | | | |
| 5 | Papan | | M3 | Rp 2.100.000,00 |
| 6 | Balok | | M3 | Rp 2.100.000,00 |
| 7 | Kayu 5/7 Klas IV | | M3 | Rp 1.900.000,00 |
| 8 | Dolken | | Btng | Rp 30.000,00 |
| 9 | Gypsum Board t.9 mm | | Lbr | Rp 78.000,00 |
| 10 | List profil Gypsum | | M' | Rp 25.000,00 |
| 11 | Kalsiboard t. 12 mm | | Lbr | Rp 210.000,00 |
| 12 | Triplek 9 mm | | Lbr | Rp 130.000,00 |
| 13 | Multiplek t.12 mm | | Lbr | Rp 180.000,00 |
| 14 | Lapisan HPL | | M2 | Rp 60.000,00 |
| 15 | Plafond PVC | | M' | Rp 26.000,00 |

| | BAHAN BESI | | | |
|----|-----------------------|--|----|-----------------|
| 1 | Paku 5-7 cm | | Kg | Rp 15.000,00 |
| 2 | Paku 5-10 cm | | Kg | Rp 15.000,00 |
| 3 | Paku 10 cm | | Kg | Rp 15.000,00 |
| 4 | Paku 1- 2.5 cm | | Kg | Rp 16.000,00 |
| 5 | Sekrup Gypsum | | Kg | Rp 800,00 |
| 6 | Paku Kalsiboard | | Kg | Rp 22.000,00 |
| 7 | Kawat Beton | | Kg | Rp 20.000,00 |
| 8 | Besi Beton Polos | | Kg | Rp 12.500,00 |
| 9 | Besi Beton Ulir | | Kg | Rp 12.500,00 |
| 10 | Hollow Aluminium 5x5 | | M' | Rp 19.166,67 |
| 11 | Hollow Aluminium 4x4 | | M' | Rp 15.833,33 |
| 12 | Hollow Aluminium 2x2 | | M' | Rp 10.333,33 |

| BAHAN ATAP & PENUTUP ATAP | | | |
|--------------------------------------|---|-----|--------------------|
| 1 | Main Truss C80.075 | M' | Rp 22.500,00 |
| 2 | Main Truss C75.75 | M' | Rp 20.000,00 |
| 3 | Reng (Type U) 0.5 TCT | M' | Rp 10.000,00 |
| 4 | Screw 10-16 | Bh | Rp 1.210,00 |
| 5 | Screw 12-14 | Bh | Rp 1.100,00 |
| 6 | Dynabolt | Bh | Rp 3.200,00 |
| 7 | Genteng Metal | Lbr | Rp 36.000,00 |
| 8 | Nok Genteng Metal | Bh | Rp 30.000,00 |
| 9 | Sisik Ikan | M' | Rp 125.000,00 |
| 10 | Mahkota Gonjong | Bh | Rp 400.000,00 |
| 11 | Ukiran Minang (GRC Panel Cetak & Rangka) + Finishing | M2 | Rp 1.750.000,00 |
| 12 | Papan Kalsiplank | M' | Rp 14.166,67 |

Lampiran 2 Rencana Anggaran dan Biaya (RAB)

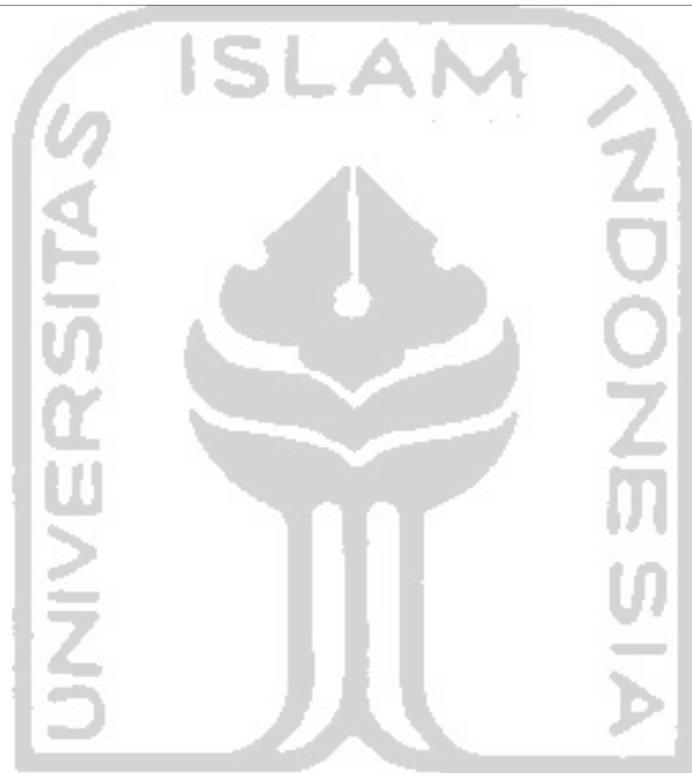
| NO | URAIAN PEKERJAAN | TOTAL HARGA |
|----------|---|----------------------------|
| A | PEKERJAAN STRUKTUR | Rp 2.704.323.156,98 |
| | LANTAI 1 | |
| I | PEKERJAAN PENDAHULUAN | Rp 22.150.500,00 |
| II | PEKERJAAN PONDASI | Rp 754.740.224,84 |
| III | PEKERJAAN BETON BERTULANG | Rp 666.363.546,09 |
| | LANTAI 2 | |
| I | PEKERJAAN BETON BERTULANG | Rp 840.064.311,01 |
| II | PEKERJAAN KAP / ATAP | Rp 421.004.575,04 |
| B | PEKERJAAN ARSITEKTUR | Rp 1.332.400.388,92 |
| | LANTAI 1 | |
| I | PEKERJAAN DINDING | Rp 63.744.250,10 |
| II | PEKERJAAN PLAFOND | Rp 93.734.259,00 |
| III | PEKERJAAN LANTAI | Rp 183.015.965,88 |
| IV | PEKERJAAN PLESTERAN | Rp 84.204.009,64 |
| V | PEKERJAAN KUSEN, PINTU & JENDELA | Rp 191.824.432,24 |
| VI | PEKERJAAN PENGECATAN | Rp 30.056.554,32 |
| VII | PEKERJAAN PERLENGKAPAN | Rp 7.950.000,00 |
| | LANTAI 2 | |
| I | PEKERJAAN DINDING | Rp 109.288.017,85 |
| II | PEKERJAAN PLAFOND | Rp 153.798.405,26 |
| III | PEKERJAAN LANTAI | Rp 67.521.067,75 |
| IV | PEKERJAAN PLESTERAN | Rp 51.284.584,62 |
| V | PEKERJAAN KUSEN, PINTU & JENDELA | Rp 249.597.899,64 |
| VI | PEKERJAAN PENGECATAN | Rp 38.430.942,62 |
| VII | PEKERJAAN PERLENGKAPAN | Rp 7.950.000,00 |
| C | PEKERJAAN LANDSCAPE | Rp 377.796.694,30 |
| I | PEKERJAAN PAGAR DAN DRAINASE KELILING | Rp 254.182.214,29 |
| II | PEKERJAAN TIANG BENDERA DAN JEMBATAN PENGHUBUNG | Rp 64.048.419,33 |
| III | PEKERJAAN HALAMAN & LANDSCAPE | Rp 59.566.060,68 |
| D | PEKERJAAN MEKANIKA ELEKTRIKAL (ME) | Rp 429.032.000,00 |
| I | PEKERJAAN MEKANIKA PLUMBING | Rp 186.136.000,00 |
| II | PEKERJAAN ELEKTRIKAL ELEKTRONIK | Rp 242.896.000,00 |
| A | JUMLAH FISIK | Rp 4.843.552.240,20 |
| B | Ppn 10 % | Rp 484.355.224,02 |
| C | JUMLAH | Rp 5.327.907.464,22 |
| D | DIBULATKAN | Rp 5.327.907.000,00 |

Lampiran 3 Penjadwalan proyek

| No. | PEKERJAAN | BOBOT (%) | Waktu Pelaksanaan Pekerjaan | | | | | | | | | | | | | | | | | | | | | | KET |
|----------|---|----------------|-----------------------------|-------|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|---------|-------|
| | | | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | |
| A | PEKERJAAN STRUKTUR | | | | | | | | | | | | | | | | | | | | | | | | |
| | LANTAI 1 | | | | | | | | | | | | | | | | | | | | | | | | |
| I | PEKERJAAN PENDAHULUAN | 0,457 | 0,229 | 0,229 | | | | | | | | | | | | | | | | | | | | | |
| II | PEKERJAAN PONDASI | 15,582 | | 3,896 | 3,896 | 3,896 | 3,896 | | | | | | | | | | | | | | | | | | |
| III | PEKERJAAN BETON BERTULANG | 13,758 | | | | 2,752 | 2,752 | 2,752 | 2,752 | 2,752 | | | | | | | | | | | | | | | |
| | LANTAI 2 | | | | | | | | | | | | | | | | | | | | | | | | |
| I | PEKERJAAN BETON BERTULANG | 17,344 | | | | | 3,469 | 3,469 | 3,469 | 3,469 | 3,469 | | | | | | | | | | | | | | |
| II | PEKERJAAN KAP / ATAP | 8,692 | | | | | | | | | 4,346 | 4,346 | | | | | | | | | | | | | |
| B | PEKERJAAN ARSITEKTUR | | | | | | | | | | | | | | | | | | | | | | | | |
| | LANTAI 1 | | | | | | | | | | | | | | | | | | | | | | | | |
| I | PEKERJAAN DINDING | 1,316 | | | | | | | | | 0,658 | 0,658 | | | | | | | | | | | | | |
| II | PEKERJAAN PLAFOND | 1,935 | | | | | | | | | 0,968 | 0,968 | | | | | | | | | | | | | |
| III | PEKERJAAN LANTAI | 3,779 | | | | | | | | | 1,260 | 1,260 | 1,260 | | | | | | | | | | | | |
| IV | PEKERJAAN PLESTERAN | 1,738 | | | | | | | | | 0,869 | 0,869 | | | | | | | | | | | | | |
| V | PEKERJAAN KUSEN, PINTU & JENDELA | 3,960 | | | | | | | | | 1,320 | 1,320 | 1,320 | | | | | | | | | | | | |
| VI | PEKERJAAN PENGECATAN | 0,621 | | | | | | | | | | | 0,310 | 0,310 | | | | | | | | | | | |
| VII | PEKERJAAN PERLENGKAPAN | 0,164 | | | | | | | | | | | | 0,082 | 0,082 | | | | | | | | | | |
| | LANTAI 2 | | | | | | | | | | | | | | | | | | | | | | | | |
| I | PEKERJAAN DINDING | 2,256 | | | | | | | | | 1,128 | 1,128 | | | | | | | | | | | | | |
| II | PEKERJAAN PLAFOND | 3,175 | | | | | | | | | | | 1,058 | 1,058 | 1,058 | | | | | | | | | | |
| III | PEKERJAAN LANTAI | 1,394 | | | | | | | | | | | 0,465 | 0,465 | 0,465 | | | | | | | | | | |
| IV | PEKERJAAN PLESTERAN | 1,059 | | | | | | | | | | | | 0,353 | 0,353 | 0,353 | | | | | | | | | |
| V | PEKERJAAN KUSEN, PINTU & JENDELA | 5,153 | | | | | | | | | | | | | 1,718 | 1,718 | 1,718 | | | | | | | | |
| VI | PEKERJAAN PENGECATAN | 0,793 | | | | | | | | | | | | | | 0,264 | 0,264 | 0,264 | | | | | | | |
| VII | PEKERJAAN PERLENGKAPAN | 0,164 | | | | | | | | | | | | | | 0,082 | 0,082 | | | | | | | | |
| C | PEKERJAAN LANDSCAPE | | | | | | | | | | | | | | | | | | | | | | | | |
| I | PEKERJAAN PAGAR DAN DRAINASE KELILING | 5,248 | | | | | | | | | | | | | | | | | | | 1,312 | 1,312 | 1,312 | 1,312 | |
| II | PEKERJAAN TIANG BENDERA DAN JEMBATAN PENGHUBUNG | 1,322 | | | | | | | | | | | | | | | | | | | | | 0,441 | 0,441 | 0,441 |
| III | PEKERJAAN HALAMAN & LANDSCAPE | 1,230 | | | | | | | | | | | | | | | | | | | | | 0,307 | 0,307 | 0,307 |
| D | PEKERJAAN MEKANIKAL ELEKTRIKAL (ME) | | | | | | | | | | | | | | | | | | | | | | | | |
| I | PEKERJAAN MEKANIKAL PLUMBING | 3,843 | | | | | | | | | | | | | | | | 0,961 | 0,961 | 0,961 | 0,961 | | | | |
| II | PEKERJAAN ELEKTRIKAL ELEKTRONIK | 5,015 | | | | | | | | | | | | | | | | | | 1,672 | 1,672 | 1,672 | | | |
| | JUMLAH | 100,000 | | | | | | | | | | | | | | | | | | | | | | | |
| | BOBOT RENCANA PERMINGGU | | 0,229 | 4,124 | 3,896 | 6,647 | 6,647 | 6,220 | 6,220 | 6,220 | 4,127 | 9,440 | 7,701 | 5,636 | 4,507 | 3,154 | 1,210 | 3,578 | 3,378 | 6,009 | 4,516 | 3,732 | 2,060 | 0,748 | |
| | KOMULATIF BOBOT RENCANA PERMINGGU | | 0,229 | 4,353 | 8,249 | 14,896 | 21,543 | 27,763 | 33,983 | 40,204 | 44,331 | 53,771 | 61,472 | 67,108 | 71,615 | 74,769 | 75,979 | 79,557 | 82,935 | 88,944 | 93,460 | 97,192 | 99,252 | 100,000 | |



| | | | | | | |
|---|--------------------|--|-----------------------|--|--------------------|--|
| Project: Sebelum crashing Date: Thu 03/10/19 | Task | | Inactive Summary | | External Tasks | |
| | Split | | Manual Task | | External Milestone | |
| | Milestone | | Duration-only | | Deadline | |
| | Summary | | Manual Summary Rollup | | Critical | |
| | Project Summary | | Manual Summary | | Critical Split | |
| | Inactive Task | | Start-only | | Progress | |
| | Inactive Milestone | | Finish-only | | Manual Progress | |



| | | | | | | |
|---|--------------------|--|-----------------------|--|--------------------|--|
| Project: Sebelum crashing Date: Thu 03/10/19 | Task | | Inactive Summary | | External Tasks | |
| | Split | | Manual Task | | External Milestone | |
| | Milestone | | Duration-only | | Deadline | |
| | Summary | | Manual Summary Rollup | | Critical | |
| | Project Summary | | Manual Summary | | Critical Split | |
| | Inactive Task | | Start-only | | Progress | |
| | Inactive Milestone | | Finish-only | | Manual Progress | |

Lampiran 5 Jumlah tenaga kerja

| Pekerjaan | Uraian | Koefisien | Vol. Kerja | Satuan | Durasi (Hari) | Jumlah Total Tenaga | Jumlah Tenaga Kerja | Upah Tenaga | Harga Total |
|-----------------------|---------------|-----------|------------|--------|---------------|---------------------|---------------------|-------------|--------------|
| Pekerjaan Pendahuluan | Bouwplank | | 105 | m' | 14 | | | | |
| | Tukang Kayu | 0,1 | | OH | | 10,5 | 11 | Rp 120.000 | Rp 1.260.000 |
| | Kepala Tukang | 0,01 | | OH | | 1,05 | 2 | Rp 140.000 | Rp 147.000 |
| | Pekerja | 0,1 | | OH | | 10,5 | 11 | Rp 100.000 | Rp 1.050.000 |
| | Mandor | 0,005 | | OH | | 0,525 | 1 | Rp 150.000 | Rp 78.750 |

| Pekerjaan | Uraian | Koefisien | Vol. Kerja | Satuan | Durasi (Hari) | Jumlah Total Tenaga | Jumlah Tenaga Kerja | Upah Tenaga | Harga Total |
|---------------------------|--------------------------------|---------------|------------|----------------|---------------|---------------------|---------------------|-------------|---------------|
| Pekerjaan Pondasi Sumuran | Pek. Galian Tanah Poer Sumuran | | 82 | m ³ | 14 | | | | |
| | Pekerja | 0,75 | | OH | | 61,5 | 62 | Rp 100.000 | Rp 6.150.000 |
| | Mandor | 0,025 | | OH | | 2,05 | 3 | Rp 150.000 | Rp 307.500 |
| | Menurunkan Cincin Sumuran 1M | | 155 | Bh | | | | | |
| | Pekerja | 1.250 x 0,75 | | OH | | 116,25 | 117 | Rp 100.000 | Rp 11.625.000 |
| | Mandor | 1.250 x 0,025 | | OH | | 3,875 | 4 | Rp 150.000 | Rp 581.250 |
| | Tukang Batu | 0,5 | | OH | | 77,5 | 78 | Rp 120.000 | Rp 9.300.000 |
| | Kepala Tukang | 0,05 | | OH | | 7,75 | 8 | Rp 140.000 | Rp 1.085.000 |
| | Menurunkan Cincin Sumuran 2M | | 31 | Bh | | | | | |
| | Pekerja | 1.250 x 0,75 | | OH | | 116,25 | 117 | Rp 100.000 | Rp 11.625.000 |
| | Mandor | 1.250 x 0,025 | | OH | | 3,875 | 4 | Rp 150.000 | Rp 581.250 |
| | Tukang Batu | 0,5 | | OH | | 77,5 | 78 | Rp 120.000 | Rp 9.300.000 |
| | Kepala Tukang | 0,05 | | OH | | 7,75 | 8 | Rp 140.000 | Rp 1.085.000 |
| | Menurunkan Cincin Sumuran 3M | | 31 | Bh | | | | | |
| | Pekerja | 1.250 x 0,75 | | OH | | 116,25 | 117 | Rp 100.000 | Rp 11.625.000 |
| | Mandor | 1.250 x 0,025 | | OH | | 3,875 | 4 | Rp 150.000 | Rp 581.250 |
| | Tukang Batu | 0,5 | | OH | | 77,5 | 78 | Rp 120.000 | Rp 9.300.000 |
| | Kepala Tukang | 0,05 | | OH | | 7,75 | 8 | Rp 140.000 | Rp 1.085.000 |
| | Menurunkan Cincin Sumuran 4M | | 31 | Bh | | | | | |
| | Pekerja | 0,75 | | OH | | 116,25 | 117 | Rp 100.000 | Rp 11.625.000 |
| | Mandor | 0,025 | | OH | | 3,875 | 4 | Rp 150.000 | Rp 581.250 |
| | Tukang Batu | 0,5 | | OH | | 77,5 | 78 | Rp 120.000 | Rp 9.300.000 |
| | Kepala Tukang | 0,05 | | OH | | 7,75 | 8 | Rp 140.000 | Rp 1.085.000 |
| | Menurunkan Cincin Sumuran 5M | | 31 | Bh | | | | | |
| | Pekerja | 0,75 | | OH | | 116,25 | 117 | Rp 100.000 | Rp 11.625.000 |
| | Mandor | 0,025 | | OH | | 3,875 | 4 | Rp 150.000 | Rp 581.250 |
| | Tukang Batu | 0,5 | | OH | | 77,5 | 78 | Rp 120.000 | Rp 9.300.000 |
| | Kepala Tukang | 0,05 | | OH | | 7,75 | 8 | Rp 140.000 | Rp 1.085.000 |

| | | | | | | | | | |
|---------------------------------|--|---------|--------|----------|----------|-----|---------|--------------|---------------|
| Pekerjaan Pondasi Sumuran | Memasang Cyclophen 60% Beton+40% Batu Kali | | 205,1 | m3 | | | | | |
| | Pekerja | 0,34 | | | 69,734 | 70 | Rp | 100.000 | Rp 6.973.400 |
| | Tukang batu | 0,85 | | | 174,335 | 175 | Rp | 120.000 | Rp 20.920.200 |
| | Kepala tukang | 0,085 | | | 17,4335 | 18 | Rp | 140.000 | Rp 2.440.690 |
| | Mandor | 0,17 | | | 34,867 | 35 | Rp | 150.000 | Rp 5.230.050 |
| | Pek. Beton K-250 Dibawah Poer | | 19,08 | m3 | | | | | |
| | Pekerja | 1,650 | | OH | 31,482 | 32 | Rp | 100.000 | Rp 3.148.200 |
| | Tukang batu | 0,275 | | OH | 5,247 | 6 | Rp | 120.000 | Rp 629.640 |
| | Kepala tukang | 0,028 | | OH | 0,53424 | 1 | Rp | 140.000 | Rp 74.794 |
| | Mandor | 0,083 | | OH | 1,58364 | 2 | Rp | 150.000 | Rp 237.546 |
| | Pek.Poer Beton Mutu Beton K-250 | | 114,79 | m3 | | | | | |
| | Pekerja | 1,650 | | OH | 189,4035 | 190 | Rp | 100.000 | Rp 18.940.350 |
| | Tukang batu | 0,275 | | OH | 31,56725 | 32 | Rp | 120.000 | Rp 3.788.070 |
| | Kepala tukang | 0,028 | | OH | 3,21412 | 4 | Rp | 140.000 | Rp 449.977 |
| | Mandor | 0,083 | | OH | 9,52757 | 10 | Rp | 150.000 | Rp 1.429.136 |
| | Bekisting Pondasi | | 459,17 | m2 | | | | | |
| | Pekerja | 0,660 | | OH | 303,0522 | 304 | Rp | 100.000 | Rp 30.400.000 |
| | Tukang Besi | 0,330 | | OH | 151,5261 | 152 | Rp | 120.000 | Rp 18.240.000 |
| | Kepala Tukang | 0,033 | | OH | 15,15261 | 16 | Rp | 140.000 | Rp 2.240.000 |
| | Mandor | 0,033 | | OH | 15,15261 | 16 | Rp | 150.000 | Rp 2.400.000 |
| Pembesian | | 7934,84 | kg | | | | | | |
| Pekerja | 0,0070 | | OH | 55,54388 | 56 | Rp | 100.000 | Rp 5.600.000 | |
| Tukang Besi | 0,0070 | | OH | 55,54388 | 56 | Rp | 120.000 | Rp 6.720.000 | |
| Kepala Tukang | 0,0007 | | OH | 5,554388 | 6 | Rp | 140.000 | Rp 840.000 | |
| Mandor | 0,0004 | | OH | 3,173936 | 4 | Rp | 150.000 | Rp 600.000 | |

| Pekerjaan | Uraian | Koefisien | Vol. Kerja | Satuan | Durasi (Hari) | Jumlah Total Tenaga | Jumlah Tenaga Kerja | Upah Tenaga | Harga Total |
|----------------------|-------------------------------|-----------|------------|--------|---------------|---------------------|---------------------|-------------|---------------|
| Pondasi Batu Kali | Pek. Galian Tanah | | 48,36 | m3 | 14 | | | | |
| | Pekerja | 0,750 | | OH | | 36,27 | 37 | Rp 100.000 | Rp 3.700.000 |
| | Mandor | 0,025 | | OH | | 1,209 | 2 | Rp 150.000 | Rp 300.000 |
| | Aanstampang Batu Kali | | 23,74 | m3 | | | | | |
| | Pekerja | 0,780 | | OH | | 18,5172 | 19 | Rp 100.000 | Rp 1.900.000 |
| | Tukang Batu | 0,390 | | OH | | 9,2586 | 10 | Rp 120.000 | Rp 1.200.000 |
| | Kepala Tukang | 0,039 | | OH | | 0,92586 | 1 | Rp 140.000 | Rp 140.000 |
| | Mandor | 0,039 | | OH | | 0,92586 | 1 | Rp 150.000 | Rp 150.000 |
| | Pek. Pondasi Batukali pas 1:4 | | 95,24 | m3 | | | | | |
| | Pekerja | 1,500 | | OH | | 142,86 | 143 | Rp 100.000 | Rp 14.300.000 |
| | Mandor | 0,075 | | OH | | 7,143 | 8 | Rp 150.000 | Rp 1.200.000 |
| | Tukang Batu | 0,750 | | OH | | 71,43 | 72 | Rp 120.000 | Rp 8.640.000 |
| | Kepala Tukang | 0,075 | | OH | | 7,143 | 8 | Rp 140.000 | Rp 1.120.000 |
| | Pek. Urugan Kembali | | 16,12 | m3 | | | | | |
| | Pekerja | 0,500 | | OH | | 8,06 | 9 | Rp 100.000 | Rp 900.000 |
| Mandor | 0,050 | | OH | | 0,806 | 1 | Rp 150.000 | Rp 150.000 | |

| Pekerjaan | Uraian | Koefisien | Vol. Kerja | Satuan | Durasi (Hari) | Jumlah Total Tenaga | Jumlah Tenaga Kerja | Upah Tenaga | Harga Total |
|---------------------------------------|----------------------------------|-----------|------------|--------|---------------|---------------------|---------------------|-------------|--------------|
| Pekerjaan Sloof (S1) 30 x 45 cm K-250 | Pek. Sloof (S1) K-250 ready mix | | 26,61 | m3 | 14 | | | | |
| | Pekerja | 1,6500 | | OH | | 43,9065 | 44 | Rp 100.000 | Rp 4.400.000 |
| | Tukang batu | 0,2750 | | OH | | 7,31775 | 8 | Rp 120.000 | Rp 960.000 |
| | Kepala tukang | 0,0280 | | OH | | 0,74508 | 1 | Rp 140.000 | Rp 140.000 |
| | Mandor | 0,0830 | | OH | | 2,20863 | 3 | Rp 150.000 | Rp 450.000 |
| | Bekisting Sloof | | 177,39 | m2 | | | | | |
| | Pekerja | 0,5200 | | OH | | 92,2428 | 93 | Rp 100.000 | Rp 9.300.000 |
| | Tukang Besi | 0,2600 | | OH | | 46,1214 | 47 | Rp 120.000 | Rp 5.640.000 |
| | Kepala Tukang | 0,0260 | | OH | | 4,61214 | 5 | Rp 140.000 | Rp 700.000 |
| | Mandor | 0,0260 | | OH | | 4,61214 | 5 | Rp 150.000 | Rp 750.000 |
| | Pembesian Dengan Besi Ulir/Polos | | 469,35 | kg | | | | | |
| | Pekerja | 0,0070 | | OH | | 3,28545 | 4 | Rp 100.000 | Rp 400.000 |
| | Tukang Besi | 0,0070 | | OH | | 3,28545 | 4 | Rp 120.000 | Rp 480.000 |
| | Kepala Tukang | 0,0007 | | OH | | 0,328545 | 1 | Rp 140.000 | Rp 140.000 |
| | Mandor | 0,0004 | | OH | | 0,18774 | 1 | Rp 150.000 | Rp 150.000 |

| Pekerjaan | Uraian | Koefisien | Vol. Kerja | Satuan | Durasi (Hari) | Jumlah Total Tenaga | Jumlah Tenaga Kerja | Upah Tenaga | Harga Total |
|--|----------------------------------|-----------|------------|--------|---------------|---------------------|---------------------|-------------|---------------|
| Pekerjaan Balok Struktur (B1) 30 x 45 cm K-250 | Pek. Balok (B1) K-250 ready mix | | 24,57 | m3 | 14 | | | | |
| | Pekerja | 1,650 | | OH | | 40,5405 | 41 | Rp 100.000 | Rp 4.100.000 |
| | Tukang batu | 0,275 | | OH | | 6,75675 | 7 | Rp 120.000 | Rp 840.000 |
| | Kepala tukang | 0,028 | | OH | | 0,68796 | 1 | Rp 140.000 | Rp 140.000 |
| | Mandor | 0,083 | | OH | | 2,03931 | 3 | Rp 150.000 | Rp 450.000 |
| | Bekisting Sloof | | 204,75 | m2 | | | | | |
| | Pekerja | 0,660 | | OH | | 135,135 | 136 | Rp 100.000 | Rp 13.600.000 |
| | Tukang Besi | 0,330 | | OH | | 67,5675 | 68 | Rp 120.000 | Rp 8.160.000 |
| | Kepala Tukang | 0,033 | | OH | | 6,75675 | 7 | Rp 140.000 | Rp 980.000 |
| | Mandor | 0,033 | | OH | | 6,75675 | 7 | Rp 150.000 | Rp 1.050.000 |
| | Pembesian Dengan Besi Ulir/Polos | | 3985,52 | kg | | | | | |
| | Pekerja | 0,007 | | OH | | 27,89864 | 28 | Rp 100.000 | Rp 2.800.000 |
| | Tukang Besi | 0,007 | | OH | | 27,89864 | 28 | Rp 120.000 | Rp 3.360.000 |
| | Kepala Tukang | 0,001 | | OH | | 2,789864 | 3 | Rp 140.000 | Rp 420.000 |
| | Mandor | 0,000 | | OH | | 1,594208 | 2 | Rp 150.000 | Rp 300.000 |

| Pekerjaan | Uraian | Koefisien | Vol. Kerja | Satuan | Durasi (Hari) | Jumlah Total Tenaga | Jumlah Tenaga Kerja | Upah Tenaga | Harga Total |
|--|----------------------------------|-----------|------------|--------|---------------|---------------------|---------------------|-------------|---------------|
| Pekerjaan Kolom Struktur (K1) 30 x 50 cm K-250 | Pek. Balok (B1) K-250 | | 19,74 | m3 | 15 | | | | |
| | Pekerja | 1,650 | | OH | | 32,571 | 33 | Rp 100.000 | Rp 3.300.000 |
| | Tukang batu | 0,275 | | OH | | 5,4285 | 6 | Rp 120.000 | Rp 720.000 |
| | Kepala tukang | 0,028 | | OH | | 0,55272 | 1 | Rp 140.000 | Rp 140.000 |
| | Mandor | 0,083 | | OH | | 1,63842 | 2 | Rp 150.000 | Rp 300.000 |
| | Bekisting Sloof | | 210,56 | m2 | | | | | |
| | Pekerja | 0,660 | | OH | | 138,9696 | 139 | Rp 100.000 | Rp 13.900.000 |
| | Tukang Besi | 0,330 | | OH | | 69,4848 | 70 | Rp 120.000 | Rp 8.400.000 |
| | Kepala Tukang | 0,033 | | OH | | 6,94848 | 7 | Rp 140.000 | Rp 980.000 |
| | Mandor | 0,033 | | OH | | 6,94848 | 7 | Rp 150.000 | Rp 1.050.000 |
| | Pembesian Dengan Besi Ulir/Polos | | 5095,62 | kg | | | | | |
| | Pekerja | 0,0070 | | OH | | 35,66934 | 36 | Rp 100.000 | Rp 3.600.000 |
| | Tukang Besi | 0,0070 | | OH | | 35,66934 | 36 | Rp 120.000 | Rp 4.320.000 |
| | Kepala Tukang | 0,0007 | | OH | | 3,566934 | 4 | Rp 140.000 | Rp 560.000 |
| | Mandor | 0,0004 | | OH | | 2,038248 | 3 | Rp 150.000 | Rp 450.000 |

| Pekerjaan | Uraian | Koefisien | Vol. Kerja | Satuan | Durasi (Hari) | Jumlah Total Tenaga | Jumlah Tenaga Kerja | Upah Tenaga | Harga Total |
|--|----------------------------------|-----------|------------|--------|---------------|---------------------|---------------------|-------------|---------------|
| Pekerjaan Balok Struktur LT2 (B1) 30 x 45 cm K-250 | Pek. Balok (B1) K-250 ready mix | | 27,23 | m3 | 16 | | | | |
| | Pekerja | 1,650 | | OH | | 44,9295 | 45 | Rp 100.000 | Rp 4.500.000 |
| | Tukang batu | 0,275 | | OH | | 7,48825 | 8 | Rp 120.000 | Rp 960.000 |
| | Kepala tukang | 0,028 | | OH | | 0,76244 | 1 | Rp 140.000 | Rp 140.000 |
| | Mandor | 0,083 | | OH | | 2,26009 | 3 | Rp 150.000 | Rp 450.000 |
| | Bekisting Sloof | | 190,61 | m2 | | | | | |
| | Pekerja | 0,660 | | OH | | 125,8026 | 126 | Rp 100.000 | Rp 12.600.000 |
| | Tukang Besi | 0,330 | | OH | | 62,9013 | 63 | Rp 120.000 | Rp 7.560.000 |
| | Kepala Tukang | 0,033 | | OH | | 6,29013 | 7 | Rp 140.000 | Rp 980.000 |
| | Mandor | 0,033 | | OH | | 6,29013 | 7 | Rp 150.000 | Rp 1.050.000 |
| | Pembesian Dengan Besi Ulin/Polos | | 4416,92 | kg | | | | | |
| | Pekerja | 0,0070 | | OH | | 30,91844 | 31 | Rp 100.000 | Rp 3.100.000 |
| | Tukang Besi | 0,0070 | | OH | | 30,91844 | 31 | Rp 120.000 | Rp 3.720.000 |
| | Kepala Tukang | 0,0007 | | OH | | 3,091844 | 4 | Rp 140.000 | Rp 560.000 |
| | Mandor | 0,0004 | | OH | | 1,766768 | 2 | Rp 150.000 | Rp 300.000 |

| Pekerjaan | Uraian | Koefisien | Vol. Kerja | Satuan | Durasi (Hari) | Jumlah Total Tenaga | Jumlah Tenaga Kerja | Upah Tenaga | Harga Total |
|--|--|-----------|------------|--------|---------------|---------------------|---------------------|-------------|---------------|
| Pekerjaan Plat Lantai t=12cm (K-250) Ready Mix | Pekerjaan Plat Lantai t=12cm (K-250) Ready Mix | | 34,74 | m3 | 24 | | | | |
| | Pekerja | 1,650 | | OH | | 57,321 | 58 | Rp 100.000 | Rp 5.800.000 |
| | Tukang batu | 0,275 | | OH | | 9,5535 | 10 | Rp 120.000 | Rp 1.200.000 |
| | Kepala tukang | 0,028 | | OH | | 0,97272 | 1 | Rp 140.000 | Rp 140.000 |
| | Mandor | 0,083 | | OH | | 2,88342 | 3 | Rp 150.000 | Rp 450.000 |
| | Bekisting Plat Lantai | | 289,53 | m2 | | | | | |
| | Pekerja | 0,660 | | OH | | 191,0898 | 192 | Rp 100.000 | Rp 19.200.000 |
| | Tukang Kayu | 0,330 | | OH | | 95,5449 | 96 | Rp 120.000 | Rp 11.520.000 |
| | Kepala Tukang | 0,033 | | OH | | 9,55449 | 10 | Rp 140.000 | Rp 1.400.000 |
| | Mandor | 0,033 | | OH | | 9,55449 | 10 | Rp 150.000 | Rp 1.500.000 |
| | Pembesian Dengan Besi Ulin/Polos | | 2988,82 | kg | | | | | |
| | Pekerja | 0,0070 | | OH | | 20,92174 | 21 | Rp 100.000 | Rp 2.100.000 |
| | Tukang Besi | 0,0070 | | OH | | 20,92174 | 21 | Rp 120.000 | Rp 2.520.000 |
| | Kepala Tukang | 0,0007 | | OH | | 2,092174 | 3 | Rp 140.000 | Rp 420.000 |
| | Mandor | 0,0004 | | OH | | 1,195528 | 2 | Rp 150.000 | Rp 300.000 |

| Pekerjaan | Uraian | Koefisien | Vol. Kerja | Satuan | Durasi (Hari) | Jumlah Total Tenaga | Jumlah Tenaga Kerja | Upah Tenaga | Harga Total |
|--|---|-----------|------------|--------|---------------|---------------------|---------------------|-------------|---------------|
| Pekerjaan Kolom Struktur LT2 (K1) 30 x 50 cm K-250 | Pekerjaan Kolom Struktur LT2 (K1) Ready Mix | | 14,91 | m3 | 14 | | | | |
| | Pekerja | 1,650 | | OH | | 24,6015 | 25 | Rp 100.000 | Rp 2.500.000 |
| | Tukang batu | 0,275 | | OH | | 4,10025 | 5 | Rp 120.000 | Rp 600.000 |
| | Kepala tukang | 0,028 | | OH | | 0,41748 | 1 | Rp 140.000 | Rp 140.000 |
| | Mandor | 0,083 | | OH | | 1,23753 | 2 | Rp 150.000 | Rp 300.000 |
| | Bekisting Sloof | | 159,04 | m2 | | | | | |
| | Pekerja | 0,660 | | OH | | 104,9664 | 105 | Rp 100.000 | Rp 10.500.000 |
| | Tukang Besi | 0,330 | | OH | | 52,4832 | 53 | Rp 120.000 | Rp 6.360.000 |
| | Kepala Tukang | 0,033 | | OH | | 5,24832 | 6 | Rp 140.000 | Rp 840.000 |
| | Mandor | 0,033 | | OH | | 5,24832 | 6 | Rp 150.000 | Rp 900.000 |
| | Pembesian Dengan Besi Ulir/Polos | | 3247,32 | kg | | | | | |
| | Pekerja | 0,0070 | | OH | | 22,73124 | 23 | Rp 100.000 | Rp 2.300.000 |
| | Tukang Besi | 0,0070 | | OH | | 22,73124 | 23 | Rp 120.000 | Rp 2.760.000 |
| | Kepala Tukang | 0,0007 | | OH | | 2,273124 | 3 | Rp 140.000 | Rp 420.000 |
| | Mandor | 0,0004 | | OH | | 1,298928 | 2 | Rp 150.000 | Rp 300.000 |

| Pekerjaan | Uraian | Koefisien | Vol. Kerja | Satuan | Durasi (Hari) | Jumlah Total Tenaga | Jumlah Tenaga Kerja | Upah Tenaga | Harga Total |
|--|--|-----------|------------|--------|---------------|---------------------|---------------------|-------------|--------------|
| Pekerjaan Atap kuda-kuda dan rangka atap baja ringan | Pek. Kuda-kuda dan rangka atap baja ringan | | 490,63 | m2 | 5 | | | | |
| | Pekerja | 0,128 | | OH | | 62,80064 | 63 | Rp 90.000 | Rp 5.670.000 |
| | Tukang Baja Ringan | 0,138 | | OH | | 67,70694 | 68 | Rp 100.000 | Rp 6.800.000 |
| | Kepala Tukang Baja Ringan | 0,049 | | OH | | 24,04087 | 25 | Rp 120.000 | Rp 3.000.000 |
| | Mandor | 0,065 | | OH | | 31,89095 | 32 | Rp 130.000 | Rp 4.160.000 |
| | Pek. Pasang Nok Perabung | | 58,93 | m2 | 3 | | | | |
| | Pekerja | 0,250 | | OH | | 14,7325 | 15 | Rp 100.000 | Rp 1.500.000 |
| | Tukang Kayu | 0,150 | | OH | | 8,8395 | 9 | Rp 120.000 | Rp 1.080.000 |
| | Kepala Tukang | 0,015 | | OH | | 0,88395 | 1 | Rp 140.000 | Rp 140.000 |
| | Mandor | 0,013 | | OH | | 0,76609 | 1 | Rp 150.000 | Rp 150.000 |

Lampiran 6 Produktifitas Tenaga Kerja, Jumlah tenaga kerja, dan Upah pekerja

| Pekerjaan | Uraian | Kap. Kerja (Per Jam) | Jumlah Tenaga (Per Hari) | Upah Pekerja | Upah Pekerja Harian | Upah Total Pekerja |
|-----------------------|------------------|----------------------|--------------------------|--------------|---------------------|--------------------|
| Pekerjaan Pendahuluan | Bouwplank | | | | | |
| | Tukang Kayu | 10 | 0,750 | Rp 120.000 | Rp 90.000 | Rp 1.260.000 |
| | Kepala Tukang | 100 | 0,075 | Rp 140.000 | Rp 10.500 | Rp 147.000 |
| | Pekerja | 10 | 0,750 | Rp 100.000 | Rp 75.000 | Rp 1.050.000 |
| | Mandor | 200 | 0,038 | Rp 150.000 | Rp 5.625 | Rp 78.750 |

| Pekerjaan | Uraian | Kap. Kerja (Per Jam) | Jumlah Tenaga (Per Hari) | Upah Pekerja | Upah Pekerja Harian | Upah Total Pekerja |
|---------------------------|--------------------------------------|----------------------|--------------------------|--------------|---------------------|--------------------|
| Pekerjaan Pondasi Sumuran | Pek.Galian Tanah Poer Sumuran | | | | | |
| | Pekerja | 1,333 | 4,393 | Rp 100.000 | Rp 439.286 | Rp 6.150.000 |
| | Mandor | 40,000 | 0,146 | Rp 150.000 | Rp 21.964 | Rp 307.500 |
| | Menurunkan Cincin Sumuran 1M | | | | | |
| | Pekerja | 1,333 | 1,661 | Rp 100.000 | Rp 166.071 | Rp 2.325.000 |
| | Mandor | 40,000 | 0,055 | Rp 150.000 | Rp 8.304 | Rp 116.250 |
| | Tukang Batu | 2,000 | 1,107 | Rp 120.000 | Rp 132.857 | Rp 1.860.000 |
| | Kepala Tukang | 20,000 | 0,111 | Rp 140.000 | Rp 15.500 | Rp 217.000 |
| | Menurunkan Cincin Sumuran 2M | | | | | |
| | Pekerja | 1,333 | 1,661 | Rp 100.000 | Rp 166.071 | Rp 2.325.000 |
| | Mandor | 40,000 | 0,055 | Rp 150.000 | Rp 8.304 | Rp 116.250 |
| | Tukang Batu | 2,000 | 1,107 | Rp 120.000 | Rp 132.857 | Rp 1.860.000 |
| | Kepala Tukang | 20,000 | 0,111 | Rp 140.000 | Rp 15.500 | Rp 217.000 |
| | Menurunkan Cincin Sumuran 3M | | | | | |
| | Pekerja | 1,333 | 1,661 | Rp 100.000 | Rp 166.071 | Rp 2.325.000 |
| | Mandor | 40,000 | 0,055 | Rp 150.000 | Rp 8.304 | Rp 116.250 |
| | Tukang Batu | 2,000 | 1,107 | Rp 120.000 | Rp 132.857 | Rp 1.860.000 |
| | Kepala Tukang | 20,000 | 0,111 | Rp 140.000 | Rp 15.500 | Rp 217.000 |
| | Menurunkan Cincin Sumuran 4M | | | | | |
| | Pekerja | 1,333 | 1,661 | Rp 100.000 | Rp 166.071 | Rp 2.325.000 |
| | Mandor | 40,000 | 0,055 | Rp 150.000 | Rp 8.304 | Rp 116.250 |
| | Tukang Batu | 2,000 | 1,107 | Rp 120.000 | Rp 132.857 | Rp 1.860.000 |
| | Kepala Tukang | 20,000 | 0,111 | Rp 140.000 | Rp 15.500 | Rp 217.000 |
| | Menurunkan Cincin Sumuran 5M | | | | | |
| | Pekerja | 1,333 | 1,661 | Rp 100.000 | Rp 166.071 | Rp 2.325.000 |
| | Mandor | 40,000 | 0,055 | Rp 150.000 | Rp 8.304 | Rp 116.250 |
| | Tukang Batu | 2,000 | 1,107 | Rp 120.000 | Rp 132.857 | Rp 1.860.000 |
| | Kepala Tukang | 20,000 | 0,111 | Rp 140.000 | Rp 15.500 | Rp 217.000 |

| | | | | | | |
|---------------------------------|--|----------|--------|------------|--------------|---------------|
| Pekerjaan Pondasi Sumuran | Memasang Cyclopen 60% Beton+40% Batu Kali | | | | | |
| | Pekerja | 2,941 | 4,981 | Rp 100.000 | Rp 498.100 | Rp 6.973.400 |
| | Tukang batu | 1,176 | 12,453 | Rp 120.000 | Rp 1.494.300 | Rp 20.920.200 |
| | Kepala tukang | 11,765 | 1,245 | Rp 140.000 | Rp 174.335 | Rp 2.440.690 |
| | Mandor | 5,882 | 2,491 | Rp 150.000 | Rp 373.575 | Rp 5.230.050 |
| | Pek. Beton K-250 Dibawah Poer | | | | | |
| | Pekerja | 0,606 | 2,249 | Rp 100.000 | Rp 224.871 | Rp 3.148.200 |
| | Tukang batu | 3,636 | 0,375 | Rp 120.000 | Rp 44.974 | Rp 629.640 |
| | Kepala tukang | 35,714 | 0,038 | Rp 140.000 | Rp 5.342 | Rp 74.794 |
| | Mandor | 12,048 | 0,113 | Rp 150.000 | Rp 16.968 | Rp 237.546 |
| | Pek.Poer Beton Mutu Beton K-250 | | | | | |
| | Pekerja | 0,606 | 13,529 | Rp 100.000 | Rp 1.352.882 | Rp 18.940.350 |
| | Tukang batu | 3,636 | 2,255 | Rp 120.000 | Rp 270.576 | Rp 3.788.070 |
| | Kepala tukang | 35,714 | 0,230 | Rp 140.000 | Rp 32.141 | Rp 449.977 |
| | Mandor | 12,048 | 0,681 | Rp 150.000 | Rp 102.081 | Rp 1.429.136 |
| | Bekisting Pondasi | | | | | |
| | Pekerja | 1,515 | 21,647 | Rp 100.000 | Rp 2.164.659 | Rp 30.305.220 |
| | Tukang Besi | 3,030 | 10,823 | Rp 120.000 | Rp 1.298.795 | Rp 18.183.132 |
| | Kepala Tukang | 30,303 | 1,082 | Rp 140.000 | Rp 151.526 | Rp 2.121.365 |
| | Mandor | 30,303 | 1,082 | Rp 150.000 | Rp 162.349 | Rp 2.272.892 |
| | Pembesian | | | | | |
| | Pekerja | 142,857 | 3,967 | Rp 100.000 | Rp 396.742 | Rp 5.554.388 |
| | Tukang Besi | 142,857 | 3,967 | Rp 120.000 | Rp 476.090 | Rp 6.665.266 |
| | Kepala Tukang | 1428,571 | 0,397 | Rp 140.000 | Rp 55.544 | Rp 777.614 |
| | Mandor | 2500,000 | 0,227 | Rp 150.000 | Rp 34.006 | Rp 476.090 |

| Pekerjaan | Uraian | Kap. Kerja (Per Jam) | Jumlah Tenaga (Per Hari) | Upah Pekerja | Upah Pekerja Harian | Upah Total Pekerja |
|----------------------|--------------------------------------|----------------------|--------------------------|--------------|---------------------|--------------------|
| Pondasi Batu Kali | Pek. Galian Tanah | 8 jam/hari | | | | |
| | Pekerja | 1,333 | 2,591 | Rp 100.000 | Rp 259.071 | Rp 3.627.000 |
| | Mandor | 40,000 | 0,086 | Rp 150.000 | Rp 12.954 | Rp 181.350 |
| | Aanstampang Batu Kali | | | | | |
| | Pekerja | 1,282 | 1,323 | Rp 100.000 | Rp 132.266 | Rp 1.851.720 |
| | Tukang Batu | 2,564 | 0,661 | Rp 120.000 | Rp 79.359 | Rp 1.111.032 |
| | Kepala Tukang | 25,641 | 0,066 | Rp 140.000 | Rp 9.259 | Rp 129.620 |
| | Mandor | 25,641 | 0,066 | Rp 150.000 | Rp 9.920 | Rp 138.879 |
| | Pek. Pondasi Batukali pas 1:4 | | | | | |
| | Pekerja | 0,667 | 10,204 | Rp 100.000 | Rp 1.020.429 | Rp 14.286.000 |
| | Mandor | 13,333 | 0,510 | Rp 150.000 | Rp 76.532 | Rp 1.071.450 |
| | Tukang Batu | 1,333 | 5,102 | Rp 120.000 | Rp 612.257 | Rp 8.571.600 |
| | Kepala Tukang | 13,333 | 0,510 | Rp 140.000 | Rp 71.430 | Rp 1.000.020 |
| | Pek. Urugan Kembali | | | | | |
| | Pekerja | 2,000 | 0,576 | Rp 100.000 | Rp 57.571 | Rp 806.000 |
| | Mandor | 20,000 | 0,058 | Rp 150.000 | Rp 8.636 | Rp 120.900 |
| | | | | | Rp 2.349.684 | Rp 32.895.571 |

| Pekerjaan | Uraian | Kap. Kerja (Per Jam) | Jumlah Tenaga (Per Hari) | Upah Pekerja | Upah Pekerja Harian | Upah Total Pekerja | |
|---------------------------------------|---|----------------------|--------------------------|---------------|---------------------|--------------------|--|
| Pekerjaan Sloof (S1) 30 x 45 cm K-250 | Pek. Sloof (S1) K-250 ready mix | 8jam/hari | | | | | |
| | Pekerja | 0,606 | 3,136 | Rp 100.000 | Rp 313.618 | Rp 4.390.650 | |
| | Tukang batu | 3,636 | 0,523 | Rp 120.000 | Rp 62.724 | Rp 878.130 | |
| | Kepala tukang | 35,714 | 0,053 | Rp 140.000 | Rp 7.451 | Rp 104.311 | |
| | Mandor | 12,048 | 0,158 | Rp 150.000 | Rp 23.664 | Rp 331.295 | |
| | Bekisting Sloof | | | | | | |
| | Pekerja | 1,923 | 6,589 | Rp 100.000,00 | Rp 658.877 | Rp 9.224.280 | |
| | Tukang Besi | 3,846 | 3,294 | Rp 120.000,00 | Rp 395.326 | Rp 5.534.568 | |
| | Kepala Tukang | 38,462 | 0,329 | Rp 140.000,00 | Rp 46.121 | Rp 645.700 | |
| | Mandor | 38,462 | 0,329 | Rp 150.000,00 | Rp 49.416 | Rp 691.821 | |
| | Pembesian Dengan Besi Ulir/Polos | | | | | | |
| | Pekerja | 142,857 | 0,235 | Rp 100.000,00 | Rp 23.468 | Rp 328.545 | |
| | Tukang Besi | 142,857 | 0,235 | Rp 120.000,00 | Rp 28.161 | Rp 394.254 | |
| | Kepala Tukang | 1428,571 | 0,023 | Rp 140.000,00 | Rp 3.285 | Rp 45.996 | |
| | Mandor | 2500,000 | 0,013 | Rp 150.000,00 | Rp 2.012 | Rp 28.161 | |
| | | | | | Rp 1.614.122 | Rp 22.597.711 | |

| Pekerjaan | Uraian | Kap. Kerja (Per Jam) | Jumlah Tenaga (Per Hari) | Upah Pekerja | Upah Pekerja Harian | Upah Total Pekerja | |
|--|---|----------------------|--------------------------|---------------|---------------------|--------------------|--|
| Pekerjaan Balok Struktur (B1) 30 x 45 cm K-250 | Pek. Balok (B1) K-250 ready mix | 8jam/hari | | | | | |
| | Pekerja | 0,606 | 2,534 | Rp 100.000 | Rp 253.378 | Rp 4.054.050 | |
| | Tukang batu | 3,636 | 0,422 | Rp 120.000 | Rp 50.676 | Rp 810.810 | |
| | Kepala tukang | 35,714 | 0,043 | Rp 140.000 | Rp 6.020 | Rp 96.314 | |
| | Mandor | 12,048 | 0,127 | Rp 150.000 | Rp 19.119 | Rp 305.897 | |
| | Bekisting Sloof | | | | | | |
| | Pekerja | 1,515 | 8,446 | Rp 100.000,00 | Rp 844.594 | Rp 13.513.500 | |
| | Tukang Besi | 3,030 | 4,223 | Rp 120.000,00 | Rp 506.756 | Rp 8.108.100 | |
| | Kepala Tukang | 30,303 | 0,422 | Rp 140.000,00 | Rp 59.122 | Rp 945.945 | |
| | Mandor | 30,303 | 0,422 | Rp 150.000,00 | Rp 63.345 | Rp 1.013.513 | |
| | Pembesian Dengan Besi Ulir/Polos | | | | | | |
| | Pekerja | 142,857 | 1,744 | Rp 100.000,00 | Rp 174.367 | Rp 2.789.864 | |
| | Tukang Besi | 142,857 | 1,744 | Rp 120.000,00 | Rp 209.240 | Rp 3.347.837 | |
| | Kepala Tukang | 1428,571 | 0,174 | Rp 140.000,00 | Rp 24.411 | Rp 390.581 | |
| | Mandor | 2500,000 | 0,100 | Rp 150.000,00 | Rp 14.946 | Rp 239.131 | |
| | | | | | Rp 2.225.971 | Rp 35.615.541 | |

| Pekerjaan | Uraian | Kap. Kerja (Per Jam) | Jumlah Tenaga (Per Hari) | Upah Pekerja | Upah Pekerja Harian | Upah Total Pekerja |
|--|---|----------------------|--------------------------|---------------|---------------------|--------------------|
| Pekerjaan Kolom Struktur (K1) 30 x 50 cm K-250 | Pek. Balok (B1) K-250 ready mix | 8jam/hari | | | | |
| | Pekerja | 0,606 | 2,171 | Rp 100.000 | Rp 217.140 | Rp 3.257.100 |
| | Tukang batu | 3,636 | 0,362 | Rp 120.000 | Rp 43.428 | Rp 651.420 |
| | Kepala tukang | 35,714 | 0,037 | Rp 140.000 | Rp 5.159 | Rp 77.381 |
| | Mandor | 12,048 | 0,109 | Rp 150.000 | Rp 16.384 | Rp 245.763 |
| | Bekisting Sloof | | | | | |
| | Pekerja | 1,515 | 9,265 | Rp 100.000,00 | Rp 926.464 | Rp 13.896.960 |
| | Tukang Besi | 3,030 | 4,632 | Rp 120.000,00 | Rp 555.878 | Rp 8.338.176 |
| | Kepala Tukang | 30,303 | 0,463 | Rp 140.000,00 | Rp 64.852 | Rp 972.787 |
| | Mandor | 30,303 | 0,463 | Rp 150.000,00 | Rp 69.485 | Rp 1.042.272 |
| | Pembesian Dengan Besi Ulir/Polos | | | | | |
| | Pekerja | 142,8571 | 2,378 | Rp 100.000,00 | Rp 237.796 | Rp 3.566.934 |
| | Tukang Besi | 142,8571 | 2,378 | Rp 120.000,00 | Rp 285.355 | Rp 4.280.321 |
| | Kepala Tukang | 1428,5714 | 0,238 | Rp 140.000,00 | Rp 33.291 | Rp 499.371 |
| | Mandor | 2500,0000 | 0,136 | Rp 150.000,00 | Rp 20.382 | Rp 305.737 |
| | | | | | Rp 2.475.615 | Rp 37.134.222 |

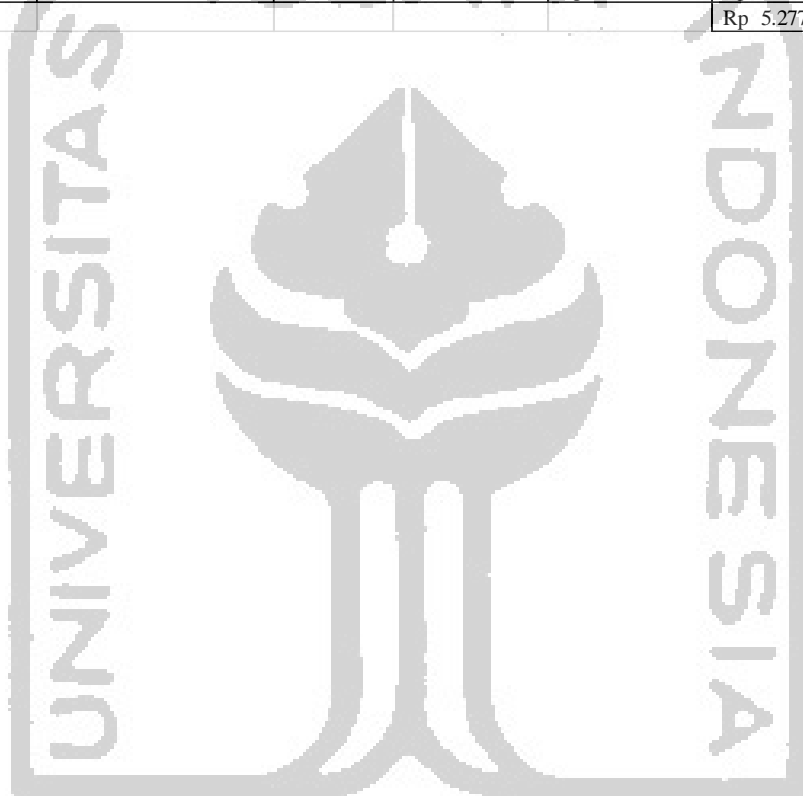
| Pekerjaan | Uraian | Kap. Kerja (Per Jam) | Jumlah Tenaga (Per Hari) | Upah Pekerja | Upah Pekerja Harian | Upah Total Pekerja |
|--|---|----------------------|--------------------------|---------------|---------------------|--------------------|
| Pekerjaan Balok LT 2 (B1) 30x45 cm K-250 | Pek. Balok (B1) K-250 ready mix | 8jam/hari | | | | |
| | Pekerja | 0,606 | 3,209 | Rp 100.000 | Rp 320.925 | Rp 4.492.950 |
| | Tukang batu | 3,636 | 0,535 | Rp 120.000 | Rp 64.185 | Rp 898.590 |
| | Kepala tukang | 35,714 | 0,054 | Rp 140.000 | Rp 7.624 | Rp 106.742 |
| | Mandor | 12,048 | 0,161 | Rp 150.000 | Rp 24.215 | Rp 339.014 |
| | Bekisting Sloof | | | | | |
| | Pekerja | 1,515 | 8,986 | Rp 100.000,00 | Rp 898.590 | Rp 12.580.260 |
| | Tukang Besi | 3,030 | 4,493 | Rp 120.000,00 | Rp 539.154 | Rp 7.548.156 |
| | Kepala Tukang | 30,303 | 0,449 | Rp 140.000,00 | Rp 62.901 | Rp 880.618 |
| | Mandor | 30,303 | 0,449 | Rp 150.000,00 | Rp 67.394 | Rp 943.520 |
| | Pembesian Dengan Besi Ulir/Polos | | | | | |
| | Pekerja | 142,857 | 2,208 | Rp 100.000,00 | Rp 220.846 | Rp 3.091.844 |
| | Tukang Besi | 142,857 | 2,208 | Rp 120.000,00 | Rp 265.015 | Rp 3.710.213 |
| | Kepala Tukang | 1428,571 | 0,221 | Rp 140.000,00 | Rp 30.918 | Rp 432.858 |
| | Mandor | 2500,000 | 0,126 | Rp 150.000,00 | Rp 18.930 | Rp 265.015 |
| | | | | | Rp 2.520.698 | Rp 35.289.779 |

Kantor Dinas Pekerjaan Umum dan Penataan Ruang Kabupaten Tangerang

| Pekerjaan | Uraian | Kap. Kerja (Per Jam) | Jumlah Tenaga (Per Hari) | Upah Pekerja | Upah Pekerja Harian | Upah Total Pekerja |
|--|--|----------------------|--------------------------|---------------|---------------------|--------------------|
| Pekerjaan Plat Lantai t=12cm (K-250) Ready Mix | Pekerjaan Plat Lantai t=12cm (K-250) Ready | 8jam/hari | | | | |
| | Pekerja | 0,606 | 2,388 | Rp 100.000 | Rp 238.838 | Rp 5.732.100 |
| | Tukang batu | 3,636 | 0,398 | Rp 120.000 | Rp 47.768 | Rp 1.146.420 |
| | Kepala tukang | 35,714 | 0,041 | Rp 140.000 | Rp 5.674 | Rp 136.181 |
| | Mandor | 12,048 | 0,120 | Rp 150.000 | Rp 18.021 | Rp 432.513 |
| | Bekisting Sloof | | | | | |
| | Pekerja | 1,515 | 7,962 | Rp 100.000,00 | Rp 796.208 | Rp 19.108.980 |
| | Tukang Besi | 3,030 | 3,981 | Rp 120.000,00 | Rp 477.725 | Rp 11.465.388 |
| | Kepala Tukang | 30,303 | 0,398 | Rp 140.000,00 | Rp 55.735 | Rp 1.337.629 |
| | Mandor | 30,303 | 0,398 | Rp 150.000,00 | Rp 59.716 | Rp 1.433.174 |
| | Pembesian Dengan Besi Ulir/Polos | | | | | |
| | Pekerja | 142,857 | 0,872 | Rp 100.000,00 | Rp 87.174 | Rp 2.092.174 |
| | Tukang Besi | 142,857 | 0,872 | Rp 120.000,00 | Rp 104.609 | Rp 2.510.609 |
| | Kepala Tukang | 1428,571 | 0,087 | Rp 140.000,00 | Rp 12.204 | Rp 292.904 |
| | Mandor | 2500,000 | 0,050 | Rp 150.000,00 | Rp 7.472 | Rp 179.329 |
| | | | | Rp 1.911.142 | Rp 45.867.400 | |

| Pekerjaan | Uraian | Kap. Kerja (Per Jam) | Jumlah Tenaga (Per Hari) | Upah Pekerja | Upah Pekerja Harian | Upah Total Pekerja |
|--|---|----------------------|--------------------------|---------------|---------------------|--------------------|
| Pekerjaan Kolom Struktur LT2 (K1) Ready mix 30 x 50 cm K-250 | Pekerjaan Kolom Struktur LT2 (K1) Ready mix | 8jam/hari | | | | |
| | Pekerja | 0,606 | 1,757 | Rp 100.000 | Rp 175.725 | Rp 2.460.150 |
| | Tukang batu | 3,636 | 0,293 | Rp 120.000 | Rp 35.145 | Rp 492.030 |
| | Kepala tukang | 35,714 | 0,030 | Rp 140.000 | Rp 4.175 | Rp 58.447 |
| | Mandor | 12,048 | 0,088 | Rp 150.000 | Rp 13.259 | Rp 185.630 |
| | Bekisting Sloof | | | | | |
| | Pekerja | 1,515 | 7,498 | Rp 100.000,00 | Rp 749.760 | Rp 10.496.640 |
| | Tukang Besi | 3,030 | 3,749 | Rp 120.000,00 | Rp 449.856 | Rp 6.297.984 |
| | Kepala Tukang | 30,303 | 0,375 | Rp 140.000,00 | Rp 52.483 | Rp 734.765 |
| | Mandor | 30,303 | 0,375 | Rp 150.000,00 | Rp 56.232 | Rp 787.248 |
| | Pembesian Dengan Besi Ulir/Polos | | | | | |
| | Pekerja | 142,857 | 2,209 | Rp 100.000,00 | Rp 220.865 | Rp 3.092.103 |
| | Tukang Besi | 142,857 | 2,209 | Rp 120.000,00 | Rp 265.037 | Rp 3.710.524 |
| | Kepala Tukang | 1428,571 | 0,221 | Rp 140.000,00 | Rp 30.921 | Rp 432.894 |
| | Mandor | 2500,000 | 0,126 | Rp 150.000,00 | Rp 18.931 | Rp 265.037 |
| | | | | Rp 2.072.389 | Rp 29.013.452 | |

| Pekerjaan | Uraian | Kap. Kerja (Per Jam) | Jumlah Tenaga (Per Hari) | Upah Pekerja | Upah Pekerja Harian | Upah Total Pekerja |
|--|--|----------------------|--------------------------|--------------|---------------------|--------------------|
| Pekerjaan Atap Pekerjaan kuda-kuda dan rangka atap baja ringan | Pek. Kuda-kuda dan rangka atap baja ringan | | | | | |
| | Pekerja | 7,813 | 12,560 | Rp 90.000 | Rp 1.130.412 | Rp 5.652.058 |
| | Tukang Baja Ringan | 7,246 | 13,541 | Rp 100.000 | Rp 1.354.139 | Rp 6.770.694 |
| | Kepala Tukang Baja Ringan | 20,408 | 4,808 | Rp 120.000 | Rp 576.981 | Rp 2.884.904 |
| | Mandor | 15,385 | 6,378 | Rp 130.000 | Rp 829.165 | Rp 4.145.824 |
| | Pek. Pasang Nok Perabung | | | | | |
| | Pekerja | 4,000 | 7,366 | Rp 100.000 | Rp 736.625 | Rp 1.473.250 |
| | Tukang Kayu | 6,667 | 4,420 | Rp 120.000 | Rp 530.370 | Rp 1.060.740 |
| | Kepala Tukang | 66,667 | 0,442 | Rp 140.000 | Rp 61.877 | Rp 123.753 |
| | Mandor | 76,923 | 0,383 | Rp 150.000 | Rp 57.457 | Rp 114.914 |
| | | | | Rp 5.277.024 | Rp 10.554.048 | |



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Lampiran 7 Perhitungan Produktifitas shift, Durasi percepatan, dan Upah total pekerja.

| Pekerjaan | Uraian | Kapasitas Kerja shift | Durasi Crash (Hari) | Upah Normal (Hari) | Upah Shift (Hari) | Total Cost On Time |
|-----------------------|---------------|-----------------------|---------------------|--------------------|-------------------|--------------------|
| Pekerjaan Pendahuluan | Bouwplank | | | | | |
| | Tukang Kayu | 18,9 | 10 | Rp 120.000 | Rp 138.000 | Rp 1.935.000 |
| | Kepala Tukang | 189 | 10 | Rp 140.000 | Rp 161.000 | Rp 225.750 |
| | Pekerja | 18,9 | 10 | Rp 100.000 | Rp 115.000 | Rp 1.612.500 |
| | Mandor | 378 | 10 | Rp 150.000 | Rp 172.500 | Rp 120.938 |
| | | | | | | Rp 3.894.188 |

| Pekerjaan | Uraian | Kapasitas Kerja shift | Durasi Crash (Hari) | Upah Normal (Hari) | Upah Shift (Hari) | Total Cost On Time |
|---------------------------|--------------------------------|-----------------------|---------------------|--------------------|-------------------|--------------------|
| Pekerjaan Pondasi Sumuran | Pek. Galian Tanah Poer Sumuran | | | | | |
| | Pekerja | 2,183 | 8,549 | Rp 100.000 | Rp 115.000 | Rp 8.500.179 |
| | Mandor | 79,984 | 7,001 | Rp 150.000 | Rp 172.500 | Rp 425.009 |
| | Menurunkan Cincin Sumuran 1M | | | | | |
| | Pekerja | 2,484 | 7,515 | Rp 100.000 | Rp 115.000 | Rp 3.213.482 |
| | Mandor | 79,994 | 7,001 | Rp 150.000 | Rp 172.500 | Rp 160.674 |
| | Tukang Batu | 3,878 | 7,220 | Rp 120.000 | Rp 138.000 | Rp 2.570.786 |
| | Kepala Tukang | 39,988 | 7,002 | Rp 140.000 | Rp 161.000 | Rp 299.925 |
| | Menurunkan Cincin Sumuran 2M | | | | | |
| | Pekerja | 2,484 | 7,515 | Rp 100.000 | Rp 115.000 | Rp 3.213.482 |
| | Mandor | 79,994 | 7,001 | Rp 150.000 | Rp 172.500 | Rp 160.674 |
| | Tukang Batu | 3,878 | 7,220 | Rp 120.000 | Rp 138.000 | Rp 2.570.786 |
| | Kepala Tukang | 39,988 | 7,002 | Rp 140.000 | Rp 161.000 | Rp 299.925 |
| | Menurunkan Cincin Sumuran 3M | | | | | |
| | Pekerja | 2,484 | 7,515 | Rp 100.000 | Rp 115.000 | Rp 3.213.482 |
| | Mandor | 79,994 | 7,001 | Rp 150.000 | Rp 172.500 | Rp 160.674 |
| | Tukang Batu | 3,878 | 7,220 | Rp 120.000 | Rp 138.000 | Rp 2.570.786 |
| | Kepala Tukang | 39,988 | 7,002 | Rp 140.000 | Rp 161.000 | Rp 299.925 |
| | Menurunkan Cincin Sumuran 4M | | | | | |
| | Pekerja | 2,484 | 7,515 | Rp 100.000 | Rp 115.000 | Rp 3.213.482 |
| | Mandor | 79,994 | 7,001 | Rp 150.000 | Rp 172.500 | Rp 160.674 |
| | Tukang Batu | 3,878 | 7,220 | Rp 120.000 | Rp 138.000 | Rp 2.570.786 |
| | Kepala Tukang | 39,988 | 7,002 | Rp 140.000 | Rp 161.000 | Rp 299.925 |
| | Menurunkan Cincin Sumuran 5M | | | | | |
| | Pekerja | 2,484 | 7,515 | Rp 100.000 | Rp 115.000 | Rp 3.213.482 |
| | Mandor | 79,994 | 7,001 | Rp 150.000 | Rp 172.500 | Rp 160.674 |
| | Tukang Batu | 3,878 | 7,220 | Rp 120.000 | Rp 138.000 | Rp 2.570.786 |
| | Kepala Tukang | 39,988 | 7,002 | Rp 140.000 | Rp 161.000 | Rp 299.925 |

| | | | | | | |
|---------------------------------|--|--------|------------|------------|--------------|---------------|
| Pekerjaan Pondasi Sumuran | Memasang Cyclopen 60% Beton+40% Batu Kali | | | | | |
| | Pekerja | 5,334 | 3,086 | Rp 100.000 | Rp 115.000 | Rp 9.638.235 |
| | Tukang batu | 0,983 | 6,698 | Rp 120.000 | Rp 138.000 | Rp 28.914.705 |
| | Kepala tukang | 23,392 | 2,815 | Rp 140.000 | Rp 161.000 | Rp 3.373.382 |
| | Mandor | 11,491 | 2,865 | Rp 150.000 | Rp 172.500 | Rp 7.228.676 |
| | Pek. Beton K-250 Dibawah Poer | | | | | |
| | Pekerja | 0,965 | 8,795 | Rp 100.000 | Rp 115.000 | Rp 4.351.262 |
| | Tukang batu | 7,232 | 7,040 | Rp 120.000 | Rp 138.000 | Rp 870.252 |
| | Kepala tukang | 71,424 | 7,000 | Rp 140.000 | Rp 161.000 | Rp 103.375 |
| | Mandor | 24,084 | 7,004 | Rp 150.000 | Rp 172.500 | Rp 328.323 |
| | Pek.Poer Beton Mutu Beton K-250 | | | | | |
| | Pekerja | 1,145 | 7,407 | Rp 100.000 | Rp 115.000 | Rp 26.178.269 |
| | Tukang batu | 7,025 | 7,247 | Rp 120.000 | Rp 138.000 | Rp 5.235.654 |
| | Kepala tukang | 71,403 | 7,002 | Rp 140.000 | Rp 161.000 | Rp 621.932 |
| | Mandor | 24,022 | 7,022 | Rp 150.000 | Rp 172.500 | Rp 1.975.269 |
| | Bekisting Pondasi | | | | | |
| | Pekerja | 0,649 | 5,835 | Rp 100.000 | Rp 115.000 | Rp 41.886.143 |
| | Tukang Besi | 4,870 | 1,556 | Rp 120.000 | Rp 138.000 | Rp 25.131.686 |
| | Kepala Tukang | 60,487 | 1,253 | Rp 140.000 | Rp 161.000 | Rp 2.932.030 |
| | Mandor | 60,487 | 1,253 | Rp 150.000 | Rp 172.500 | Rp 3.141.461 |
| | Pembesian | | | | | |
| Pekerja | 285,278 | 7,011 | Rp 100.000 | Rp 115.000 | Rp 7.676.958 | |
| Tukang Besi | 285,278 | 7,011 | Rp 120.000 | Rp 138.000 | Rp 9.212.349 | |
| Kepala Tukang | 2857,099 | 7,000 | Rp 140.000 | Rp 161.000 | Rp 1.074.774 | |
| Mandor | 4999,975 | 7,000 | Rp 150.000 | Rp 172.500 | Rp 658.025 | |

| Pekerjaan | Uraian | Kapasitas Kerja shift | Durasi Crash (Hari) | Upah Normal (Hari) | Upah Shift (Hari) | Total Cost On Time |
|----------------------|-------------------------------|-----------------------|---------------------|--------------------|-------------------|--------------------|
| Pondasi Batu Kali | Pek. Galian Tanah | | | | | |
| | Pekerja | 2,467 | 7,568 | Rp 100.000 | Rp 115.000 | Rp 4.456.029 |
| | Mandor | 74,000 | 7,568 | Rp 150.000 | Rp 172.500 | Rp 222.801 |
| | Aanstampang Batu Kali | | | | | |
| | Pekerja | 2,372 | 7,568 | Rp 100.000 | Rp 115.000 | Rp 2.274.970 |
| | Tukang Batu | 4,744 | 7,568 | Rp 120.000 | Rp 138.000 | Rp 1.364.982 |
| | Kepala Tukang | 47,436 | 7,568 | Rp 140.000 | Rp 161.000 | Rp 159.248 |
| | Mandor | 47,436 | 7,568 | Rp 150.000 | Rp 172.500 | Rp 170.623 |
| | Pek. Pondasi Batukali pas 1:4 | | | | | |
| | Pekerja | 1,233 | 7,568 | Rp 100.000 | Rp 115.000 | Rp 17.551.371 |
| | Mandor | 24,667 | 7,568 | Rp 150.000 | Rp 172.500 | Rp 1.316.353 |
| | Tukang Batu | 2,467 | 7,568 | Rp 120.000 | Rp 138.000 | Rp 10.530.823 |
| | Kepala Tukang | 24,667 | 7,568 | Rp 140.000 | Rp 161.000 | Rp 1.228.596 |
| | Pek. Urugan Kembali | | | | | |
| | Pekerja | 3,7 | 7,568 | Rp 100.000 | Rp 115.000 | Rp 990.229 |
| | Mandor | 37 | 7,568 | Rp 150.000 | Rp 172.500 | Rp 148.534 |
| | | | | 8 Hari | | |

| Pekerjaan | Uraian | Kapasitas Kerja shift | Durasi Crash (Hari) | Upah Normal (Hari) | Upah Shift (Hari) | Total Cost On Time | |
|---------------------------------------|----------------------------------|-----------------------|---------------------|--------------------|-------------------|--------------------|---------------|
| Pekerjaan Sloof (S1) 30 x 45 cm K-250 | Pek. Sloof (S1) K-250 ready mix | | | | | | |
| | Pekerja | 1,121 | 7,568 | Rp 100.000 | Rp 115.000 | Rp 5.394.227 | |
| | Tukang batu | 6,727 | 7,568 | Rp 120.000 | Rp 138.000 | Rp 1.078.845 | |
| | Kepala tukang | 66,071 | 7,568 | Rp 140.000 | Rp 161.000 | Rp 128.154 | |
| | Mandor | 22,289 | 7,568 | Rp 150.000 | Rp 172.500 | Rp 407.019 | |
| | Bekisting Sloof | | | | | | |
| | Pekerja | 3,558 | 7,568 | Rp 100.000 | Rp 115.000 | Rp 11.332.687 | |
| | Tukang Besi | 7,115 | 7,568 | Rp 120.000 | Rp 138.000 | Rp 6.799.612 | |
| | Kepala Tukang | 71,154 | 7,568 | Rp 140.000 | Rp 161.000 | Rp 793.288 | |
| | Mandor | 71,154 | 7,568 | Rp 150.000 | Rp 172.500 | Rp 849.952 | |
| | Pembesian Dengan Besi Ulir/Polos | | | | | | |
| | Pekerja | 264,286 | 7,568 | Rp 100.000 | Rp 115.000 | Rp 403.641 | |
| | Tukang Besi | 264,286 | 7,568 | Rp 120.000 | Rp 138.000 | Rp 484.369 | |
| | Kepala Tukang | 2642,857 | 7,568 | Rp 140.000 | Rp 161.000 | Rp 56.510 | |
| | Mandor | 4625 | 7,568 | Rp 150.000 | Rp 172.500 | Rp 34.598 | |
| | | | | 7 Hari | | | Rp 27.762.902 |

| Pekerjaan | Uraian | Kapasitas Kerja shift | Durasi Crash (Hari) | Upah Normal (Hari) | Upah Shift (Hari) | Total Cost On Time | |
|--|----------------------------------|-----------------------|---------------------|--------------------|-------------------|--------------------|---------------|
| Pekerjaan Balok Struktur (B1) 30 x 45 cm K-250 | Pek. Balok (B1) K-250 ready mix | | | | | | |
| | Pekerja | 1,121 | 8,649 | Rp 100.000 | Rp 115.000 | Rp 4.902.867 | |
| | Tukang batu | 6,727 | 8,649 | Rp 120.000 | Rp 138.000 | Rp 980.573 | |
| | Kepala tukang | 66,071 | 8,649 | Rp 140.000 | Rp 161.000 | Rp 116.480 | |
| | Mandor | 22,289 | 8,649 | Rp 150.000 | Rp 172.500 | Rp 369.944 | |
| | Bekisting Sloof | | | | | | |
| | Pekerja | 2,803 | 8,649 | Rp 100.000 | Rp 115.000 | Rp 16.342.889 | |
| | Tukang Besi | 5,606 | 8,649 | Rp 120.000 | Rp 138.000 | Rp 9.805.733 | |
| | Kepala Tukang | 56,061 | 8,649 | Rp 140.000 | Rp 161.000 | Rp 1.144.002 | |
| | Mandor | 56,061 | 8,649 | Rp 150.000 | Rp 172.500 | Rp 1.225.717 | |
| | Pembesian Dengan Besi Ulir/Polos | | | | | | |
| | Pekerja | 264,286 | 8,649 | Rp 100.000 | Rp 115.000 | Rp 3.373.992 | |
| | Tukang Besi | 264,286 | 8,649 | Rp 120.000 | Rp 138.000 | Rp 4.048.790 | |
| | Kepala Tukang | 2642,857 | 8,649 | Rp 140.000 | Rp 161.000 | Rp 472.359 | |
| | Mandor | 4625 | 8,649 | Rp 150.000 | Rp 172.500 | Rp 289.199 | |
| | | | | 8 Hari | | | Rp 43.072.545 |

| Pekerjaan | Uraian | Kapasitas Kerja shift | Durasi Crash (Hari) | Upah Normal (Hari) | Upah Shift (Hari) | Total Cost On Time | |
|--|----------------------------------|-----------------------|---------------------|--------------------|-------------------|--------------------|---------------|
| Pekerjaan Kolom Struktur (K1) 30 x 50 cm K-250 | Pek. Balok (B1) K-250 ready mix | | | | | | |
| | Pekerja | 1,121 | 8,108 | Rp 100.000 | Rp 115.000 | Rp 4.201.659 | |
| | Tukang batu | 6,727 | 8,108 | Rp 120.000 | Rp 138.000 | Rp 840.332 | |
| | Kepala tukang | 66,071 | 8,108 | Rp 140.000 | Rp 161.000 | Rp 99.821 | |
| | Mandor | 22,289 | 8,108 | Rp 150.000 | Rp 172.500 | Rp 317.034 | |
| | Bekisting Sloof | | | | | | |
| | Pekerja | 2,803 | 8,108 | Rp 100.000 | Rp 115.000 | Rp 17.927.078 | |
| | Tukang Besi | 5,606 | 8,108 | Rp 120.000 | Rp 138.000 | Rp 10.756.247 | |
| | Kepala Tukang | 56,061 | 8,108 | Rp 140.000 | Rp 161.000 | Rp 1.254.895 | |
| | Mandor | 56,061 | 8,108 | Rp 150.000 | Rp 172.500 | Rp 1.344.531 | |
| | Pembesian Dengan Besi Ulir/Polos | | | | | | |
| | Pekerja | 264,286 | 8,108 | Rp 100.000 | Rp 115.000 | Rp 4.601.345 | |
| | Tukang Besi | 264,286 | 8,108 | Rp 120.000 | Rp 138.000 | Rp 5.521.614 | |
| | Kepala Tukang | 2642,857 | 8,108 | Rp 140.000 | Rp 161.000 | Rp 644.188 | |
| | Mandor | 4625 | 8,108 | Rp 150.000 | Rp 172.500 | Rp 394.401 | |
| | | | | 9 Hari | | | Rp 47.903.146 |

| Pekerjaan | Uraian | Kapasitas Kerja shift | Durasi Crash (Hari) | Upah Normal (Hari) | Upah Shift (Hari) | Total Cost On Time | |
|--|----------------------------------|-----------------------|---------------------|--------------------|-------------------|--------------------|---------------|
| Pekerjaan Balok Struktur LT2 (B1) 30 x 45 cm K-250 | Pek. Balok (B1) K-250 ready mix | | | | | | |
| | Pekerja | 1,121 | 7,568 | Rp 100.000 | Rp 115.000 | Rp 5.519.910 | |
| | Tukang batu | 6,727 | 7,568 | Rp 120.000 | Rp 138.000 | Rp 1.103.982 | |
| | Kepala tukang | 66,071 | 7,568 | Rp 140.000 | Rp 161.000 | Rp 131.140 | |
| | Mandor | 22,289 | 7,568 | Rp 150.000 | Rp 172.500 | Rp 416.502 | |
| | Bekisting Sloof | | | | | | |
| | Pekerja | 2,803 | 7,568 | Rp 100.000 | Rp 115.000 | Rp 15.455.748 | |
| | Tukang Besi | 5,606 | 7,568 | Rp 120.000 | Rp 138.000 | Rp 9.273.449 | |
| | Kepala Tukang | 56,061 | 7,568 | Rp 140.000 | Rp 161.000 | Rp 1.081.902 | |
| | Mandor | 56,061 | 7,568 | Rp 150.000 | Rp 172.500 | Rp 1.159.181 | |
| | Pembesian Dengan Besi Ulir/Polos | | | | | | |
| | Pekerja | 264,286 | 7,568 | Rp 100.000 | Rp 115.000 | Rp 3.798.551 | |
| | Tukang Besi | 264,286 | 7,568 | Rp 120.000 | Rp 138.000 | Rp 4.558.261 | |
| | Kepala Tukang | 2642,857 | 7,568 | Rp 140.000 | Rp 161.000 | Rp 531.797 | |
| | Mandor | 4625 | 7,568 | Rp 150.000 | Rp 172.500 | Rp 325.590 | |
| | | | | 8 Hari | | | Rp 43.356.014 |

| Pekerjaan | Uraian | Kapasitas Kerja shift | Durasi Crash (Hari) | Upah Normal (Hari) | Upah Shift (Hari) | Total Cost On Time | |
|--|--|-----------------------|---------------------|--------------------|-------------------|--------------------|---------------|
| Pekerjaan Plat Lantai t=12cm (K-250) Ready Mix | Pekerjaan Plat Lantai t=12cm (K-250) Ready Mix | | | | | | |
| | Pekerja | 1,121 | 12,973 | Rp 100.000 | Rp 115.000 | Rp 6.675.508 | |
| | Tukang batu | 6,727 | 12,973 | Rp 120.000 | Rp 138.000 | Rp 1.335.102 | |
| | Kepala tukang | 66,071 | 12,973 | Rp 140.000 | Rp 161.000 | Rp 158.594 | |
| | Mandor | 22,289 | 12,973 | Rp 150.000 | Rp 172.500 | Rp 503.697 | |
| | Bekisting Sloof | | | | | | |
| | Pekerja | 2,803 | 12,973 | Rp 100.000 | Rp 115.000 | Rp 22.254.000 | |
| | Tukang Besi | 5,606 | 12,973 | Rp 120.000 | Rp 138.000 | Rp 13.352.400 | |
| | Kepala Tukang | 56,061 | 12,973 | Rp 140.000 | Rp 161.000 | Rp 1.557.780 | |
| | Mandor | 56,061 | 12,973 | Rp 150.000 | Rp 172.500 | Rp 1.669.050 | |
| | Pembesian Dengan Besi Ulir/Polos | | | | | | |
| | Pekerja | 264,286 | 12,973 | Rp 100.000 | Rp 115.000 | Rp 2.436.511 | |
| | Tukang Besi | 264,286 | 12,973 | Rp 120.000 | Rp 138.000 | Rp 2.923.813 | |
| | Kepala Tukang | 2642,857 | 12,973 | Rp 140.000 | Rp 161.000 | Rp 341.112 | |
| | Mandor | 4625 | 12,973 | Rp 150.000 | Rp 172.500 | Rp 208.844 | |
| | | | | 13 Hari | | | Rp 53.416.410 |

| Pekerjaan | Uraian | Kapasitas Kerja shift | Durasi Crash (Hari) | Upah Normal (Hari) | Upah Shift (Hari) | Total Cost On Time | |
|---|---|-----------------------|---------------------|--------------------|-------------------|--------------------|---------------|
| Pekerjaan Kolom Struktur LT2 (K1) Ready mix | Pekerjaan Kolom Struktur LT2 (K1) Ready mix | | | | | | |
| | Pekerja | 1,121 | 7,568 | Rp 100.000 | Rp 115.000 | Rp 3.022.470 | |
| | Tukang batu | 6,727 | 7,568 | Rp 120.000 | Rp 138.000 | Rp 604.494 | |
| | Kepala tukang | 66,071 | 7,568 | Rp 140.000 | Rp 161.000 | Rp 71.807 | |
| | Mandor | 22,289 | 7,568 | Rp 150.000 | Rp 172.500 | Rp 228.059 | |
| | Bekisting Sloof | | | | | | |
| | Pekerja | 2,803 | 7,568 | Rp 100.000 | Rp 115.000 | Rp 12.895.872 | |
| | Tukang Besi | 5,606 | 7,568 | Rp 120.000 | Rp 138.000 | Rp 7.737.523 | |
| | Kepala Tukang | 56,061 | 7,568 | Rp 140.000 | Rp 161.000 | Rp 902.711 | |
| | Mandor | 56,061 | 7,568 | Rp 150.000 | Rp 172.500 | Rp 967.190 | |
| | Pembesian Dengan Besi Ulir/Polos | | | | | | |
| | Pekerja | 264,286 | 7,568 | Rp 100.000 | Rp 115.000 | Rp 3.798.869 | |
| | Tukang Besi | 264,286 | 7,568 | Rp 120.000 | Rp 138.000 | Rp 4.558.643 | |
| | Kepala Tukang | 2642,857 | 7,568 | Rp 140.000 | Rp 161.000 | Rp 531.842 | |
| | Mandor | 4625,000 | 7,568 | Rp 150.000 | Rp 172.500 | Rp 325.617 | |
| | | | | 8 Hari | | | Rp 35.645.098 |

| Pekerjaan | Uraian | Kapasitas Kerja shift | Durasi Crash (Hari) | Upah Normal (Hari) | Upah Shift (Hari) | Total Cost On Time |
|---|--|-----------------------|---------------------|--------------------|-------------------|--------------------|
| | Pek. Kuda-kuda dan rangka atap baja ringan | | 3 Hari | | | |
| Pekerjaan Atap | Pekerja | 14,453 | 2,703 | Rp 90.000 | Rp 103.500 | Rp 7.291.154 |
| | Tukang Baja Ringan | 13,406 | 2,703 | Rp 100.000 | Rp 115.000 | Rp 8.734.195 |
| Pekerjaan kuda-kuda dan rangka atap baja ringan | Kepala Tukang Baja Ringan | 37,755 | 2,703 | Rp 120.000 | Rp 138.000 | Rp 3.721.527 |
| | Mandor | 28,462 | 2,703 | Rp 130.000 | Rp 149.500 | Rp 5.348.112 |
| | Pek. Pasang Nok Perabung | | 2 Hari | | | |
| | Pekerja | 7,400 | 1,081 | Rp 100.000 | Rp 115.000 | Rp 3.167.488 |
| | Tukang Kayu | 12,333 | 1,081 | Rp 120.000 | Rp 138.000 | Rp 2.280.591 |
| | Kepala Tukang | 123,333 | 1,081 | Rp 140.000 | Rp 161.000 | Rp 266.069 |
| | Mandor | 142,308 | 1,081 | Rp 150.000 | Rp 172.500 | Rp 247.064 |
| | | | | | | Rp 31.056.200 |



UNIVERSITAS ISLAM INDONESIA

Lampiran 8 Cost Slope

| Pekerjaan | Uraian | Durasi Normal (Hari) | Upah Pekerja Harian | Upah total pekerja (Normal) | Durasi Percepatan (Hari) | Upah Total Pekerja dengan Shift | Cost Slope Harian | Cost Slope Total |
|-----------------------|---------------|----------------------|---------------------|-----------------------------|--------------------------|---------------------------------|-------------------|------------------|
| Pekerjaan Pendahuluan | Bouwplank | 14 | | Rp 2.535.750 | 10 | Rp 3.894.188 | Rp 339.609 | Rp 1.358.438 |
| | Tukang Kayu | | Rp 90.000 | Rp 1.260.000 | | Rp 1.935.000 | | |
| | Kepala Tukang | | Rp 10.500 | Rp 147.000 | | Rp 225.750 | | |
| | Pekerja | | Rp 75.000 | Rp 1.050.000 | | Rp 1.612.500 | | |
| | Mandor | | Rp 5.625 | Rp 78.750 | | Rp 120.938 | | |

| Pekerjaan | Uraian | Durasi Normal (Hari) | Upah Pekerja Harian | Upah total pekerja (Normal) | Durasi Percepatan (Hari) | Upah Total Pekerja dengan Shift | Cost Slope Harian | Cost Slope Total |
|---------------------------|--------------------------------------|----------------------|---------------------|-----------------------------|--------------------------|---------------------------------|-------------------|------------------|
| Pekerjaan Pondasi Sumuran | Pek.Galian Tanah Poer Sumuran | 14 | | Rp 6.457.500 | 9 | Rp 8.925.188 | Rp 493.538 | Rp 2.467.688 |
| | Pekerja | | Rp 439.286 | Rp 6.150.000 | | Rp 8.500.179 | | |
| | Mandor | | Rp 21.964 | Rp 307.500 | | Rp 425.009 | | |
| | Menurunkan Cincin Sumuran 1M | | | Rp 4.518.250 | | Rp 6.244.867 | Rp 345.323 | Rp 1.726.617 |
| | Pekerja | | Rp 166.071 | Rp 2.325.000 | | Rp 3.213.482 | | |
| | Mandor | | Rp 8.304 | Rp 116.250 | | Rp 160.674 | | |
| | Tukang Batu | | Rp 132.857 | Rp 1.860.000 | | Rp 2.570.786 | | |
| | Kepala Tukang | | Rp 15.500 | Rp 217.000 | | Rp 299.925 | | |
| | Menurunkan Cincin Sumuran 2M | | | Rp 4.518.250 | | Rp 6.244.867 | Rp 345.323 | Rp 1.726.617 |
| | Pekerja | | Rp 166.071 | Rp 2.325.000 | | Rp 3.213.482 | | |
| | Mandor | | Rp 8.304 | Rp 116.250 | | Rp 160.674 | | |
| | Tukang Batu | | Rp 132.857 | Rp 1.860.000 | | Rp 2.570.786 | | |
| | Kepala Tukang | | Rp 15.500 | Rp 217.000 | | Rp 299.925 | | |
| | Menurunkan Cincin Sumuran 3M | | | Rp 4.518.250 | | Rp 6.244.867 | Rp 345.323 | Rp 1.726.617 |
| | Pekerja | | Rp 166.071 | Rp 2.325.000 | | Rp 3.213.482 | | |
| | Mandor | | Rp 8.304 | Rp 116.250 | | Rp 160.674 | | |
| | Tukang Batu | | Rp 132.857 | Rp 1.860.000 | | Rp 2.570.786 | | |
| | Kepala Tukang | | Rp 15.500 | Rp 217.000 | | Rp 299.925 | | |
| | Menurunkan Cincin Sumuran 4M | | | Rp 4.518.250 | | Rp 6.244.867 | Rp 345.323 | Rp 1.726.617 |
| | Pekerja | | Rp 166.071 | Rp 2.325.000 | | Rp 3.213.482 | | |
| | Mandor | | Rp 8.304 | Rp 116.250 | | Rp 160.674 | | |
| | Tukang Batu | | Rp 132.857 | Rp 1.860.000 | | Rp 2.570.786 | | |
| | Kepala Tukang | | Rp 15.500 | Rp 217.000 | | Rp 299.925 | | |
| | Menurunkan Cincin Sumuran 5M | | | Rp 4.518.250 | | Rp 6.244.867 | Rp 345.323 | Rp 1.726.617 |
| | Pekerja | | Rp 166.071 | Rp 2.325.000 | | Rp 3.213.482 | | |
| | Mandor | | Rp 8.304 | Rp 116.250 | | Rp 160.674 | | |
| | Tukang Batu | | Rp 132.857 | Rp 1.860.000 | | Rp 2.570.786 | | |
| | Kepala Tukang | | Rp 15.500 | Rp 217.000 | | Rp 299.925 | | |

| | | | | | | | | |
|---------------------------------|--|------------|----------------------|----------------------|----------------------|----------------------|--------------|---------------|
| Pekerjaan Pondasi Sumuran | Memasang Cyclopen 60% Beton+40% Batu Kali | | | Rp 35.564.340 | | Rp 49.154.999 | Rp 2.718.132 | Rp 13.590.659 |
| | Pekerja | | Rp 498.100 | Rp 6.973.400 | | Rp 9.638.235 | | |
| | Tukang batu | | Rp 1.494.300 | Rp 20.920.200 | | Rp 28.914.705 | | |
| | Kepala tukang | | Rp 174.335 | Rp 2.440.690 | | Rp 3.373.382 | | |
| | Mandor | | Rp 373.575 | Rp 5.230.050 | | Rp 7.228.676 | | |
| | Pek. Beton K-250 Dibawah Poer | | | Rp 4.090.180 | | Rp 5.653.213 | Rp 312.607 | Rp 1.563.033 |
| | Pekerja | | Rp 224.871 | Rp 3.148.200 | | Rp 4.351.262 | | |
| | Tukang batu | | Rp 44.974 | Rp 629.640 | | Rp 870.252 | | |
| | Kepala tukang | | Rp 5.342 | Rp 74.794 | | Rp 103.375 | | |
| | Mandor | | Rp 16.968 | Rp 237.546 | | Rp 328.323 | | |
| | Pek.Poer Beton Mutu Beton K-250 | | | Rp 24.607.532 | | Rp 34.011.125 | Rp 1.880.719 | Rp 9.403.593 |
| | Pekerja | | Rp 1.352.882 | Rp 18.940.350 | | Rp 26.178.269 | | |
| | Tukang batu | | Rp 270.576 | Rp 3.788.070 | | Rp 5.235.654 | | |
| | Kepala tukang | | Rp 32.141 | Rp 449.977 | | Rp 621.932 | | |
| | Mandor | | Rp 102.081 | Rp 1.429.136 | | Rp 1.975.269 | | |
| | Bekisting Pondasi | | | Rp 52.882.609 | | Rp 73.091.320 | Rp 4.041.742 | Rp 20.208.711 |
| | Pekerja | | Rp 2.164.659 | Rp 30.305.220 | | Rp 41.886.143 | | |
| | Tukang Besi | | Rp 1.298.795 | Rp 18.183.132 | | Rp 25.131.686 | | |
| | Kepala Tukang | | Rp 151.526 | Rp 2.121.365 | | Rp 2.932.030 | | |
| | Mandor | | Rp 162.349 | Rp 2.272.892 | | Rp 3.141.461 | | |
| Pembesian | | | Rp 13.473.358 | | Rp 18.622.106 | Rp 1.029.750 | Rp 5.148.748 | |
| Pekerja | | Rp 396.742 | Rp 5.554.388 | | Rp 7.676.958 | | | |
| Tukang Besi | | Rp 476.090 | Rp 6.665.266 | | Rp 9.212.349 | | | |
| Kepala Tukang | | Rp 55.544 | Rp 777.614 | | Rp 1.074.774 | | | |
| Mandor | | Rp 34.006 | Rp 476.090 | | Rp 658.025 | | | |

| Pekerjaan | Uraian | Durasi Normal (Hari) | Upah Pekerja Harian | Upah total pekerja (Normal) | Durasi Percepatan (Hari) | Upah Total Pekerja dengan Shift | Cost Slope Harian | Cost Slope Total |
|-------------------|--------------------------------------|----------------------|---------------------|-----------------------------|--------------------------|---------------------------------|-------------------|------------------|
| Pondasi Batu Kali | Pek. Galian Tanah | 14 | | Rp 3.808.350 | 8 | Rp 4.678.830 | Rp 145.080 | Rp 870.480 |
| | Pekerja | | Rp 259.071 | Rp 3.627.000 | | Rp 4.456.029 | | |
| | Mandor | | Rp 12.954 | Rp 181.350 | | Rp 222.801 | | |
| | Aanstampang Batu Kali | | | Rp 3.231.251 | | Rp 3.969.823 | Rp 123.095 | Rp 738.572 |
| | Pekerja | | Rp 132.266 | Rp 1.851.720 | | Rp 2.274.970 | | |
| | Tukang Batu | | Rp 79.359 | Rp 1.111.032 | | Rp 1.364.982 | | |
| | Kepala Tukang | | Rp 9.259 | Rp 129.620 | | Rp 159.248 | | |
| | Mandor | | Rp 9.920 | Rp 138.879 | | Rp 170.623 | | |
| | Pek. Pondasi Batukali pas 1:4 | | | Rp 24.929.070 | | Rp 30.627.143 | Rp 949.679 | Rp 5.698.073 |
| | Pekerja | | Rp 1.020.429 | Rp 14.286.000 | | Rp 17.551.371 | | |
| | Mandor | | Rp 76.532 | Rp 1.071.450 | | Rp 1.316.353 | | |
| | Tukang Batu | | Rp 612.257 | Rp 8.571.600 | | Rp 10.530.823 | | |
| | Kepala Tukang | | Rp 71.430 | Rp 1.000.020 | | Rp 1.228.596 | | |
| | Pek. Urugan Kembali | | | Rp 926.900 | | Rp 1.138.763 | Rp 35.310 | Rp 211.863 |
| | Pekerja | | Rp 57.571 | Rp 806.000 | | Rp 990.229 | | |
| | Mandor | | Rp 8.636 | Rp 120.900 | | Rp 148.534 | | |

| Pekerjaan | Uraian | Durasi Normal (Hari) | Upah Pekerja Harian | Upah total pekerja (Normal) | Durasi Percepatan (Hari) | Upah Total Pekerja dengan Shift | Cost Slope Harian | Cost Slope Total |
|---------------------------------------|----------------------------------|----------------------|---------------------|-----------------------------|--------------------------|---------------------------------|-------------------|------------------|
| Pekerjaan Sloof (S1) 30 x 45 cm K-250 | Pek. Sloof (S1) K-250 ready mix | 14 | | Rp 5.704.386 | 7 | Rp 7.008.245 | Rp 186.266 | Rp 1.303.860 |
| | Pekerja | | Rp 313.618 | Rp 4.390.650 | | Rp 5.394.227 | | |
| | Tukang batu | | Rp 62.724 | Rp 878.130 | | Rp 1.078.845 | | |
| | Kepala tukang | | Rp 7.451 | Rp 104.311 | | Rp 128.154 | | |
| | Mandor | | Rp 23.664 | Rp 331.295 | | Rp 407.019 | | |
| | Bekisting Sloof | | | Rp 16.096.369 | | Rp 19.775.539 | Rp 525.596 | Rp 3.679.170 |
| | Pekerja | | Rp 658.877 | Rp 9.224.280 | | Rp 11.332.687 | | |
| | Tukang Besi | | Rp 395.326 | Rp 5.534.568 | | Rp 6.799.612 | | |
| | Kepala Tukang | | Rp 46.121 | Rp 645.700 | | Rp 793.288 | | |
| | Mandor | | Rp 49.416 | Rp 691.821 | | Rp 849.952 | | |
| | Pembesian Dengan Besi Ulir/Polos | | | Rp 796.956 | | Rp 979.118 | Rp 26.023 | Rp 182.161 |
| | Pekerja | | Rp 23.468 | Rp 328.545 | | Rp 403.641 | | |
| | Tukang Besi | | Rp 28.161 | Rp 394.254 | | Rp 484.369 | | |
| | Kepala Tukang | | Rp 3.285 | Rp 45.996 | | Rp 56.510 | | |
| | Mandor | | Rp 2.012 | Rp 28.161 | | Rp 34.598 | | |

| Pekerjaan | Uraian | Durasi Normal (Hari) | Upah Pekerja Harian | Upah total pekerja (Normal) | Durasi Percepatan (Hari) | Upah Total Pekerja dengan Shift | Cost Slope Harian | Cost Slope Total |
|--|----------------------------------|----------------------|---------------------|-----------------------------|--------------------------|---------------------------------|-------------------|------------------|
| Pekerjaan Balok Struktur (B1) 30 x 45 cm K-250 | Pek. Balok (B1) K-250 ready mix | 16 | | Rp 5.267.071 | 8 | Rp 6.369.864 | Rp 137.849 | Rp 1.102.793 |
| | Pekerja | | Rp 253.378 | Rp 4.054.050 | | Rp 4.902.867 | | |
| | Tukang batu | | Rp 50.676 | Rp 810.810 | | Rp 980.573 | | |
| | Kepala tukang | | Rp 6.020 | Rp 96.314 | | Rp 116.480 | | |
| | Mandor | | Rp 19.119 | Rp 305.897 | | Rp 369.944 | | |
| | Bekisting Sloof | | | Rp 23.581.058 | | Rp 28.518.341 | Rp 617.160 | Rp 4.937.284 |
| | Pekerja | | Rp 844.594 | Rp 13.513.500 | | Rp 16.342.889 | | |
| | Tukang Besi | | Rp 506.756 | Rp 8.108.100 | | Rp 9.805.733 | | |
| | Kepala Tukang | | Rp 59.122 | Rp 945.945 | | Rp 1.144.002 | | |
| | Mandor | | Rp 63.345 | Rp 1.013.513 | | Rp 1.225.717 | | |
| | Pembesian Dengan Besi Ulir/Polos | | | Rp 6.767.413 | | Rp 8.184.340 | Rp 177.116 | Rp 1.416.927 |
| | Pekerja | | Rp 174.367 | Rp 2.789.864 | | Rp 3.373.992 | | |
| | Tukang Besi | | Rp 209.240 | Rp 3.347.837 | | Rp 4.048.790 | | |
| | Kepala Tukang | | Rp 24.411 | Rp 390.581 | | Rp 472.359 | | |
| | Mandor | | Rp 14.946 | Rp 239.131 | | Rp 289.199 | | |

| Pekerjaan | Uraian | Durasi Normal (Hari) | Upah Pekerja Harian | Upah total pekerja (Normal) | Durasi Percepatan (Hari) | Upah Total Pekerja dengan Shift | Cost Slope Harian | Cost Slope Total |
|--|----------------------------------|----------------------|---------------------|-----------------------------|--------------------------|---------------------------------|-------------------|------------------|
| Pekerjaan Kolom Struktur (K1) 30 x 50 cm K-250 | Pek. Kolom (K1) K-250 ready mix | 15 | | Rp 4.231.664 | 9 | Rp 5.458.846 | Rp 204.530 | Rp 1.227.183 |
| | Pekerja | | Rp 217.140 | Rp 3.257.100 | | Rp 4.201.659 | | |
| | Tukang batu | | Rp 43.428 | Rp 651.420 | | Rp 840.332 | | |
| | Kepala tukang | | Rp 5.159 | Rp 77.381 | | Rp 99.821 | | |
| | Mandor | | Rp 16.384 | Rp 245.763 | | Rp 317.034 | | |
| | Bekisting Sloof | | | Rp 24.250.195 | | Rp 31.282.752 | Rp 1.172.093 | Rp 7.032.557 |
| | Pekerja | | Rp 926.464 | Rp 13.896.960 | | Rp 17.927.078 | | |
| | Tukang Besi | | Rp 555.878 | Rp 8.338.176 | | Rp 10.756.247 | | |
| | Kepala Tukang | | Rp 64.852 | Rp 972.787 | | Rp 1.254.895 | | |
| | Mandor | | Rp 69.485 | Rp 1.042.272 | | Rp 1.344.531 | | |
| | Pembesian Dengan Besi Ulir/Polos | | | Rp 8.652.363 | | Rp 11.161.548 | Rp 418.198 | Rp 2.509.185 |
| | Pekerja | | Rp 237.796 | Rp 3.566.934 | | Rp 4.601.345 | | |
| | Tukang Besi | | Rp 285.355 | Rp 4.280.321 | | Rp 5.521.614 | | |
| | Kepala Tukang | | Rp 33.291 | Rp 499.371 | | Rp 644.188 | | |
| | Mandor | | Rp 20.382 | Rp 305.737 | | Rp 394.401 | | |

| Pekerjaan | Uraian | Durasi Normal (Hari) | Upah Pekerja Harian | Upah total pekerja (Normal) | Durasi Percepatan (Hari) | Upah Total Pekerja dengan Shift | Cost Slope Harian | Cost Slope Total |
|---|----------------------------------|----------------------|---------------------|-----------------------------|--------------------------|---------------------------------|-------------------|------------------|
| Pekerjaan Balok Struktur LT2 (B1) 30 x 45 cm K-250 | Pek. Balok (B1) K-250 ready mix | 16 | | Rp 6.671.194 | 8 | Rp 7.171.534 | Rp 62.542 | Rp 500.340 |
| | Pekerja | | Rp 320.925 | Rp 5.134.800 | | Rp 5.519.910 | | |
| | Tukang batu | | Rp 64.185 | Rp 1.026.960 | | Rp 1.103.982 | | |
| | Kepala tukang | | Rp 7.624 | Rp 121.990 | | Rp 131.140 | | |
| | Mandor | | Rp 24.215 | Rp 387.444 | | Rp 416.502 | | |
| | Bekisting Sloof | | | Rp 25.088.633 | | Rp 26.970.280 | Rp 235.206 | Rp 1.881.647 |
| | Pekerja | | Rp 898.590 | Rp 14.377.440 | | Rp 15.455.748 | | |
| | Tukang Besi | | Rp 539.154 | Rp 8.626.464 | | Rp 9.273.449 | | |
| | Kepala Tukang | | Rp 62.901 | Rp 1.006.421 | | Rp 1.081.902 | | |
| | Mandor | | Rp 67.394 | Rp 1.078.308 | | Rp 1.159.181 | | |
| | Pembesian Dengan Besi Ulir/Polos | | | Rp 8.571.349 | | Rp 9.214.200 | Rp 80.356 | Rp 642.851 |
| | Pekerja | | Rp 220.846 | Rp 3.533.536 | | Rp 3.798.551 | | |
| | Tukang Besi | | Rp 265.015 | Rp 4.240.243 | | Rp 4.558.261 | | |
| | Kepala Tukang | | Rp 30.918 | Rp 494.695 | | Rp 531.797 | | |
| | Mandor | | Rp 18.930 | Rp 302.875 | | Rp 325.590 | | |

| Pekerjaan | Uraian | Durasi Normal (Hari) | Upah Pekerja Harian | Upah total pekerja (Normal) | Durasi Percepatan (Hari) | Upah Total Pekerja dengan Shift | Cost Slope Harian | Cost Slope Total |
|---|--|----------------------|---------------------|-----------------------------|--------------------------|---------------------------------|-------------------|------------------|
| Pekerjaan Plat Lantai t=12cm (K-250) Ready Mix | Pekerjaan Plat Lantai t=12cm (K-250) Ready | 24 | | Rp 7.447.214 | 13 | Rp 8.672.901 | Rp 111.426 | Rp 1.225.687 |
| | Pekerja | | Rp 238.838 | Rp 5.732.100 | | Rp 6.675.508 | | |
| | Tukang batu | | Rp 47.768 | Rp 1.146.420 | | Rp 1.335.102 | | |
| | Kepala tukang | | Rp 5.674 | Rp 136.181 | | Rp 158.594 | | |
| | Mandor | | Rp 18.021 | Rp 432.513 | | Rp 503.697 | | |
| | Bekisting Sloof | | | Rp 33.345.170 | | Rp 38.833.229 | Rp 498.914 | Rp 5.488.059 |
| | Pekerja | | Rp 796.208 | Rp 19.108.980 | | Rp 22.254.000 | | |
| | Tukang Besi | | Rp 477.725 | Rp 11.465.388 | | Rp 13.352.400 | | |
| | Kepala Tukang | | Rp 55.735 | Rp 1.337.629 | | Rp 1.557.780 | | |
| | Mandor | | Rp 59.716 | Rp 1.433.174 | | Rp 1.669.050 | | |
| | Pembesian Dengan Besi Ulir/Polos | | | Rp 5.075.016 | | Rp 5.910.279 | Rp 75.933 | Rp 835.263 |
| | Pekerja | | Rp 87.174 | Rp 2.092.174 | | Rp 2.436.511 | | |
| | Tukang Besi | | Rp 104.609 | Rp 2.510.609 | | Rp 2.923.813 | | |
| | Kepala Tukang | | Rp 12.204 | Rp 292.904 | | Rp 341.112 | | |
| | Mandor | | Rp 7.472 | Rp 179.329 | | Rp 208.844 | | |

| Pekerjaan | Uraian | Durasi Normal (Hari) | Upah Pekerja Harian | Upah total pekerja (Normal) | Durasi Percepatan (Hari) | Upah Total Pekerja shift | Cost Slope Harian | Cost Slope Total |
|---|-----------------------------------|----------------------|---------------------|-----------------------------|--------------------------|--------------------------|-------------------|------------------|
| Pekerjaan Kolom Struktur LT2 (K1) 30 x 50 cm K-250 | Pekerjaan Kolom Struktur LT2 (K1) | 14 | | Rp 3.196.257 | 8 | Rp 3.926.830 | Rp 121.762 | Rp 730.573 |
| | Pekerja | | Rp 175.725 | Rp 2.460.150 | | Rp 3.022.470 | | |
| | Tukang batu | | Rp 35.145 | Rp 492.030 | | Rp 604.494 | | |
| | Kepala tukang | | Rp 4.175 | Rp 58.447 | | Rp 71.807 | | |
| | Mandor | | Rp 13.259 | Rp 185.630 | | Rp 228.059 | | |
| | Bekisting Sloof | | | Rp 18.316.637 | | Rp 22.503.297 | Rp 697.777 | Rp 4.186.660 |
| | Pekerja | | Rp 749.760 | Rp 10.496.640 | | Rp 12.895.872 | | |
| | Tukang Besi | | Rp 449.856 | Rp 6.297.984 | | Rp 7.737.523 | | |
| | Kepala Tukang | | Rp 52.483 | Rp 734.765 | | Rp 902.711 | | |
| | Mandor | | Rp 56.232 | Rp 787.248 | | Rp 967.190 | | |
| | Pembesian Dengan Besi Ulir/Polos | | | Rp 7.500.558 | | Rp 9.214.972 | Rp 285.736 | Rp 1.714.413 |
| | Pekerja | | Rp 220.865 | Rp 3.092.103 | | Rp 3.798.869 | | |
| | Tukang Besi | | Rp 265.037 | Rp 3.710.524 | | Rp 4.558.643 | | |
| | Kepala Tukang | | Rp 30.921 | Rp 432.894 | | Rp 531.842 | | |
| | Mandor | | Rp 18.931 | Rp 265.037 | | Rp 325.617 | | |

| Pekerjaan | Uraian | Durasi Normal (Hari) | Upah Pekerja Harian | Upah total pekerja (Normal) | Durasi Percepatan (Hari) | Upah Total Pekerja shift | Cost Slope Harian | Cost Slope Total |
|----------------------|--|----------------------|---------------------|-----------------------------|--------------------------|--------------------------|-------------------|------------------|
| | Pek. Kuda-kuda dan rangka atap baja ringan | 5 | | Rp 19.453.480 | 3 | Rp 25.094.989 | Rp 2.820.755 | Rp 5.641.509 |
| Pekerjaan Atap | Pekerja | | Rp1.130.412 | Rp 5.652.058 | | Rp 7.291.154 | | |
| Pekerjaan | Tukang Baja Ringan | | Rp1.354.139 | Rp 6.770.694 | | Rp 8.734.195 | | |
| kuda-kuda dan rangka | Kepala Tukang Baja Ringan | | Rp 576.981 | Rp 2.884.904 | | Rp 3.721.527 | | |
| atap baja ringan | Mandor | | Rp 829.165 | Rp 4.145.824 | | Rp 5.348.112 | | |
| | Pek. Pasang Nok Perabung | 3 | | Rp 6.931.641 | 2 | Rp 5.961.211 | Rp 970.430 | Rp 970.430 |
| | Pekerja | | Rp 736.625 | Rp 3.683.125 | | Rp 3.167.488 | | |
| | Tukang Kayu | | Rp 530.370 | Rp 2.651.850 | | Rp 2.280.591 | | |
| | Kepala Tukang | | Rp 61.877 | Rp 309.383 | | Rp 266.069 | | |
| | Mandor | | Rp 57.457 | Rp 287.284 | | Rp 247.064 | | |



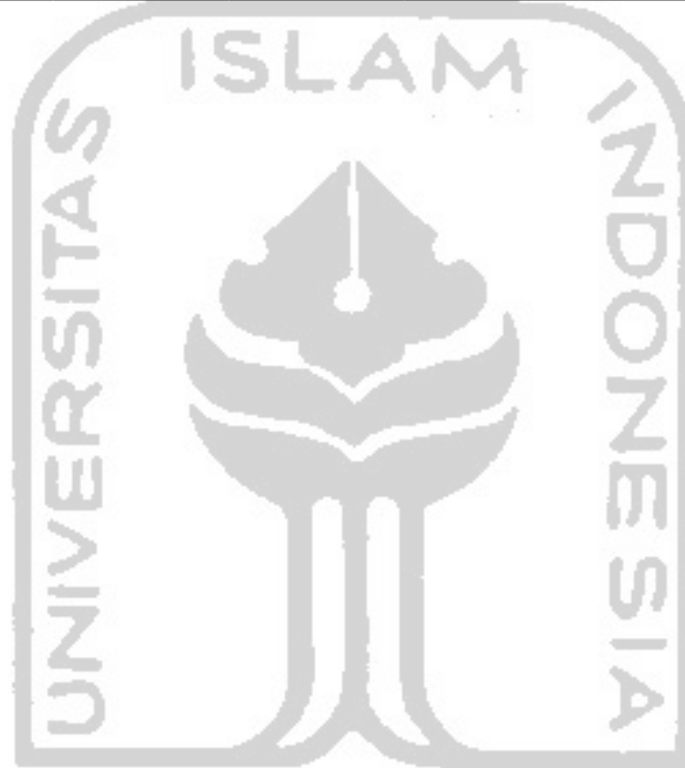
لَا إِلَهَ إِلَّا اللَّهُ مُحَمَّدٌ رَسُوْلُهُ

| ID | Task Mode | Task Name | Duration | Start | Finish | Qtr 3, 2019 | | | Qtr 4, 2019 | |
|----|-----------|-------------------------------|----------------|---------------------|---------------------|-------------|-----|-----|-------------|-----|
| | | | | | | Jul | Aug | Sep | Oct | Nov |
| 1 | | Pekerjaan Pendahuluan | 10 days | Thu 04/07/19 | Tue 16/07/19 | | | | | |
| 2 | | Pekerjaan Pondasi | 17 days | Fri 12/07/19 | Fri 02/08/19 | | | | | |
| 3 | | Pekerjaan Pondasi Sumuran | 14 days | Fri 12/07/19 | Tue 30/07/19 | | | | | |
| 4 | | Pekerjaan Pondasi Batu Kali | 8 days | Wed | Fri 02/08/19 | | | | | |
| 5 | | Pekerjaan Beton LT 1 | 24 days | Thu 01/08/19 | Sat 31/08/19 | | | | | |
| 6 | | Pekerjaan Sloof (S1) 30x45 | 8 days | Fri 02/08/19 | Tue 13/08/19 | | | | | |
| 7 | | Pekerjaan Sloof Praktis (SP) | 9 days | Thu 01/08/19 | Tue 13/08/19 | | | | | |
| 8 | | Pekerjaan Balok Struktur (B1) | 9 days | Tue 20/08/19 | Sat 31/08/19 | | | | | |
| 9 | | Pekerjaan Kolom Struktur (K1) | 9 days | Mon | Thu 22/08/19 | | | | | |
| 10 | | Pekerjaan Kolom Struktur (K2) | 11 days | Fri 09/08/19 | Thu 22/08/19 | | | | | |
| 11 | | Pekerjaan Kolom Praktis (KP) | 9 days | Mon | Thu 22/08/19 | | | | | |
| 12 | | Pekerjaan Kolom Struktur (K3) | 9 days | Mon | Thu 22/08/19 | | | | | |
| 13 | | Pekerjaan Plat Beton Tangga | 7 days | Wed | Fri 30/08/19 | | | | | |
| 14 | | Pekerjaan Plat Beton Anak | 5 days | Fri 23/08/19 | Fri 30/08/19 | | | | | |
| 15 | | Pekerjaan Beton LT 2 | 32 days | Thu 29/08/19 | Tue 08/10/19 | | | | | |
| 16 | | Pekerjaan Balok Struktur (B1) | 8 days | Fri 27/09/19 | Tue 08/10/19 | | | | | |
| 17 | | Pekerjaan Balok Struktur (B2) | 12 days | Mon | Tue 08/10/19 | | | | | |
| 18 | | Pekerjaan Balok Struktur (B3) | 14 days | Fri 20/09/19 | Tue 08/10/19 | | | | | |
| 19 | | Pekerjaan Balok Praktis (BP) | 9 days | Thu 26/09/19 | Tue 08/10/19 | | | | | |
| 20 | | Pekerjaan Kolom Struktur (K1) | 8 days | Fri 13/09/19 | Mon | | | | | |
| 21 | | Pekerjaan Kolom Struktur (K2) | 10 days | Tue 10/09/19 | Mon | | | | | |
| 22 | | Pekerjaan Kolom Praktis (KP) | 9 days | Thu 12/09/19 | Mon | | | | | |
| 23 | | Pekerjaan Plat Lantai t 12cm | 13 days | Thu 29/08/19 | Sat 14/09/19 | | | | | |

Project: Proyek setelah crashing
Date: Thu 03/10/19

| | | | | | |
|--------------------|--|-----------------------|--|--------------------|--|
| Task | | Inactive Summary | | External Tasks | |
| Split | | Manual Task | | External Milestone | |
| Milestone | | Duration-only | | Deadline | |
| Summary | | Manual Summary Rollup | | Critical | |
| Project Summary | | Manual Summary | | Critical Split | |
| Inactive Task | | Start-only | | Progress | |
| Inactive Milestone | | Finish-only | | Manual Progress | |

| ID | Task Mode | Task Name | Duration | Start | Finish | Qtr 3, 2019 | | | Qtr 4, 2019 | |
|----|-----------|-------------------------------|---------------|---------------------|---------------------|-------------|-----|-----|-------------|-----|
| | | | | | | Jul | Aug | Sep | Oct | Nov |
| 24 | | Pekerjaan Atap | 6 days | Tue 08/10/19 | Tue 15/10/19 | | | | | |
| 25 | | Pekerjaan kuda-kuda dan | 5 days | Tue 08/10/19 | Mon | | | | | |
| 26 | | Pekerjaan atap genteng metal | 3 days | Fri 11/10/19 | Tue 15/10/19 | | | | | |
| 27 | | Pekerjaan pasang Nok Perabung | 1 day | Sat 12/10/19 | Mon | | | | | |



Project: Proyek setelah crashing
Date: Thu 03/10/19

| | | | | | |
|--------------------|--|-----------------------|--|--------------------|--|
| Task | | Inactive Summary | | External Tasks | |
| Split | | Manual Task | | External Milestone | |
| Milestone | | Duration-only | | Deadline | |
| Summary | | Manual Summary Rollup | | Critical | |
| Project Summary | | Manual Summary | | Critical Split | |
| Inactive Task | | Start-only | | Progress | |
| Inactive Milestone | | Finish-only | | Manual Progress | |

Lampiran 9 Analisa Durasi Menggunakan PDM Pada Seluruh Pekerjaan Di Jalur Kritis Sebelum *Crashing*

