

ENGINEERING ESTIMATE

PEKERJAAN : PERENCANAAN RENOVASI SCREEN HOUSE B1 UPT B1H KUTAGADUNG
 INSTANSI : DINAS TANAMAN PANGAN DAN HORTIKULTURA PROVINSI SUMATERA UTARA
 LOKASI : BERASTAGI, KAB. KARO
 TAHUN : 2023

| No | URAIAN PEKERJAAN | JUMLAH HARGA (Rp) |
|--|-------------------------------|--------------------------|
| 1 | 2 | 3 |
| J | PEKERJAAN PENDAHULUAN | Rp 24.742.322,31 |
| II | PEKERJAAN SCREEN HOUSE | |
| A | PEKERJAAN ATAP | Rp 164.685.340,82 |
| B | PEKERJAAN MENARA AIR | Rp 37.474.399,29 |
| C | PEKERJAAN SHADING NET | Rp 13.144.164,53 |
| D | PEKERJAAN PENGECATAN | Rp 13.743.546,20 |
| E | PEKERJAAN PINTU | Rp 15.000.000,00 |
| III | PEKERJAAN AKHIR | Rp 1.500.000,00 |
| JUMLAH TOTAL | | Rp 270.289.761,24 |
| PPH 11% | | Rp 29.731.875,94 |
| GRAND TOTAL | | Rp 299.999.457,18 |
| DIBULATKAN | | Rp 300.000.000,00 |
| <p><i>Terbilang : Tiga Ratus Juta Rupiah</i></p> | | |

Maden, April 2023

Diperiksa Oleh:
**PEJABAT PELAKSANA TEKNIS KEGIATAN
 (PPTK)**



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**UPT. BENDI INDUK HORTIKULTURA KUTAGADUNG
 KUASA PENGGUNA ANGGARAN**

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ENGINEERING ESTIMATE

PEKERJAAN : PEREMODELAN RENOVASI SCREEN HOUSE 51 UPT. BIN KUTAGADUNG
 INSTANSI : DINAS TANAMAN PANGAN DAN HORTIKULTURA PROVINSI SUMATERA UTARA
 LOKASI : BERASTAGI, KAB. KARO
 TAHUN : 2023

| No | URAIAN PEKERJAAN | VOLUME | SAT | ANALISA | HARGA SATUAN (Rp) | JUMLAH (Rp) |
|----------------------------------|---|----------|----------------|---------------|--------------------|--------------------------|
| 1 | 2 | 3 | 4 | 5 | 6 | 7 |
| I PEKERJAAN PENDARULUAN | | | | | | |
| 1 | Pagan Nama Proyek | 1,00 | Lot | Taksir | Rp 250.000,00 | Rp 250.000,00 |
| 2 | Mobilisasi - Demobilisasi | 1,00 | Lot | Taksir | Rp 2.500.000,00 | Rp 2.500.000,00 |
| 3 | SMK3 (Sistem Manajemen Keselamatan dan Kesehatan Kerja) | 1,00 | Lot | A.1.19 | Rp 3.140.000,00 | Rp 3.140.000,00 |
| 4 | Scaffolding | 18,00 | Taksir | Rp 108.000,00 | Rp 1.944.000,00 | |
| 5 | Pek. Pengerukan Cet Dinding Basa Lama | 45,00 | m ² | A.4.7.1.1 | Rp 24.169,18 | Rp 1.087.606,69 |
| 6 | Pek. Pengerukan Cet dan Kanal Basa Lama | 81,50 | m ² | A.4.7.1.3 | Rp 27.192,07 | Rp 2.218.153,71 |
| 7 | Pek. Pembongkaran Pinta | 3,00 | Unit | HSEU | Rp 174.000,00 | Rp 522.000,00 |
| 8 | Pek. Pembongkaran Alap dan Rangka Besi CNP Lama | 1,00 | Lot | Taksir | Rp 7.500.000,00 | Rp 7.500.000,00 |
| 9 | Pek. Pembongkaran Shading Net | 265,62 | m ² | HSEU | Rp 21.000,00 | Rp 5.578.020,00 |
| | | | | | TOTAL I | Rp 24.742.929,31 |
| II PEKERJAAN SCREEN HOUSE | | | | | | |
| A PEKERJAAN ATAP | | | | | | |
| 1 | Pek. Pemasangan Rangka Alap CNP 100x100 | 1.312,00 | kg | A.4.2.1.1 | Rp 48.282,51 | Rp 64.621.871,63 |
| 2 | Pek. Pengecatan | 800,00 | cm | A.4.2.1.5 | Rp 4.748,57 | Rp 3.798.842,80 |
| 3 | Pek. Pemasangan Alap Transparan Solarroof | 258,11 | m ² | A.4.5.7.36A | Rp 384.474,81 | Rp 99.211.913,67 |
| 4 | Kebulutan Tali Angin Besi Beton 12 mm | 57,84 | kg | HSEU | Rp 18.500,00 | Rp 1.068.712,32 |
| 5 | Pasang Tali Stang M.20 | 24,00 | kg | HSEU | Rp 81.000,00 | Rp 1.944.000,00 |
| | | | | | SUB TOTAL A | Rp 166.668.348,82 |
| B PEKERJAAN MENARA AIR | | | | | | |
| 1 | Galian Tanah Pondasi | 2,95 | m ³ | A.2.3.1.1 | Rp 123.149,48 | Rp 375.282,67 |
| 2 | Pasir Urug | 0,51 | m ³ | A.2.3.1.11 | Rp 203.267,78 | Rp 104.673,11 |
| 3 | Lantai Kayu Fc = 7.4 Mpa | 0,13 | m ³ | A.4.1.1.1 | Rp 989.561,98 | Rp 128.642,85 |
| 4 | Urugan tanah kembali | 0,85 | m ³ | A.2.3.1.9 | Rp 44.972,48 | Rp 38.375,82 |
| 5 | Pek. Pondasi Tapat | | | | | |
| | - Bekisting | 3,20 | m ³ | A.4.1.1.20 | Rp 401.483,87 | Rp 1.284.953,74 |
| | - Pemasangan Poles | 57,28 | kg | A.4.1.1.17 | Rp 33.300,30 | Rp 1.934.733,32 |
| | - Beton Cor Fc 14.5 Mpa | 0,64 | m ³ | A.4.1.1.6 | Rp 1.132.738,98 | Rp 724.952,98 |
| 6 | Pek. Sloof 20x30 | | | | | |
| | - Bekisting | 5,40 | m ³ | A.4.1.1.21 | Rp 432.059,65 | Rp 2.334.122,11 |
| | - Pemasangan Poles | 42,06 | kg | A.4.1.1.17 | Rp 21.300,20 | Rp 896.051,61 |
| | - Beton Cor Fc 14.5 Mpa | 0,54 | m ³ | A.4.1.1.6 | Rp 1.132.738,98 | Rp 611.679,05 |
| 7 | Pek. Kolom 30x30 | | | | | |
| | - Bekisting | 4,80 | m ³ | A.4.1.1.22 | Rp 564.235,56 | Rp 2.708.330,89 |
| | - Pemasangan Poles | 24,56 | kg | A.4.1.1.17 | Rp 23.300,20 | Rp 571.137,88 |
| | - Beton Cor Fc 14.5 Mpa | 0,36 | m ³ | A.4.1.1.6 | Rp 1.132.738,98 | Rp 407.788,03 |
| 8 | Pek. Besi Plat t=6 mm | 14,13 | kg | A.4.2.1.14 | Rp 58.021,24 | Rp 822.887,13 |
| 9 | Pek. Angkur Rivit dia. 18 mm | 16,00 | Bh | HSEU | Rp 78.920,00 | Rp 1.262.720,00 |
| 10 | Pek. Pemasangan Rangka Memori Air (Besi Siku 40x40) | 127,61 | kg | A.4.2.1.18 | Rp 80.464,16 | Rp 1.027.000,76 |
| 11 | Pek. Besi dan Mur Sambungan Besi Siku | 80,00 | Bh | HSEU | Rp 18.200,00 | Rp 1.456.000,00 |
| 12 | Pek. Pemasangan Pipa GIP dia. 1 1/2" | 19,20 | m | A.5.1.1.22 | Rp 225.650,50 | Rp 4.332.989,01 |
| 13 | Pek. Pengecatan | 490,20 | cm | A.4.2.1.5 | Rp 4.748,57 | Rp 2.321.489,88 |
| 14 | Tangki Air 3000 L | 1,00 | Bh | HSEU | Rp 6.983.220,00 | Rp 6.983.220,00 |
| 15 | Pompa Jelpump | 1,00 | Bh | HSEU | Rp 2.178.600,00 | Rp 2.178.600,00 |
| 16 | Pek. Pipa PVC 1" | 27,04 | m | A.5.1.1.27 | Rp 50.727,83 | Rp 1.371.680,63 |
| 17 | Slop Kran 1" | 1,00 | Bh | HSEU | Rp 45.360,00 | Rp 45.360,00 |
| | | | | | SUB TOTAL B | Rp 37.474.298,29 |
| C PEKERJAAN SHADING NET | | | | | | |
| 1 | Pek. Pemasangan Shading Net 85 % | 265,62 | m ² | Ani Taksir | Rp 49.484,85 | Rp 13.144.164,53 |
| | | | | | SUB TOTAL C | Rp 13.144.164,53 |
| D PEKERJAAN PENECATAN | | | | | | |
| 1 | Pek. Penguatan Dinding Screen House Lama Ex. Vitrin | 45,80 | m ² | A.4.7.1.11 | Rp 57.160,47 | Rp 2.617.168,84 |
| 2 | Pek. Pengecatan Rangka Besi | 103,50 | m ² | A.4.7.1.17 | Rp 107.935,64 | Rp 11.171.350,84 |
| | | | | | SUB TOTAL D | Rp 13.743.548,29 |

| No | URAIAN PEKERJAAN | VOLUME | SAT | ANALISA | HARGA SATUAN (Rp) | JUMLAH (Rp) |
|--------|---|--------|------|---------|-------------------|-------------------|
| 1 | 2 | 3 | 4 | 5 | 6 | 7 |
| E 1 | PEKERJAAN PONTU Pola Pemancangan Pindu Rangka Dams Holton - Guntung Ikal | 3,00 | Unit | Tesis | Rp 5.000.000,00 | Rp 15.000.000,00 |
| | | | | | SUB TOTAL K E | Rp 15.000.000,00 |
| | | | | | TOTAL B | Rp 264.007.450,00 |

| No | URAIAN PEKERJAAN | VOLUME | SAT | ANALISA | HARGA SATUAN (Rp) | JUMLAH (Rp) |
|----------------------------|--|--------|-----|---------|---------------------|-------------------|
| 1 | 2 | 3 | 4 | 5 | 6 | 7 |
| III PEKERJAAN AKHIR | | | | | | |
| 1 | Pemberatan Akhir dan Pemasangan Sisa Bongkaran | 1,00 | Lot | Takdir | 1.500.000,00 | Rp 1.500.000,00 |
| | | | | | TOTAL III | Rp 1.500.000,00 |
| | | | | | JUMLAH TOTAL | Rp 370.289.781,24 |
| | | | | | PPH 11% | Rp 28.726.073,94 |
| | | | | | GRAND TOTAL | Rp 399.015.855,18 |
| | | | | | PEMBULATAN | Rp 300.000.000,00 |

**PERATURAN MENTERI PEKERJAAN UMUM DAN PERUMAHAN RAKYAT
NOMOR: 28/PRT/M/2016**

4.2.1.1 HARGA SATUAN PEMERIKSAAN TANAH

4.2.1.1.1 Pengukuran 1 m² tanah biasa sedalam 1 m

| No | Uraian | Kode | Satuan | Koefisien | HargaSatuan(Rp) | JumlahHarga(Rp) | |
|----------|------------------------------|------|--------|-----------|----------------------------|---------------------------|--|
| A | TENAGA | | | | | | |
| | Petanya | L.01 | Orn | 0,795 | 120.000,00 | 101.270,00 | |
| | Mandor | L.04 | Orn | 0,025 | 204.000,00 | 5.115,00 | |
| | | | | | JUMLAH TENAGA KERJA | 107.085,00 | |
| B | BAHAN | | | | | | |
| | | | | | | JUMLAH HARGA BAHAN | |
| C | Jumlah (A+B) | | | | | 107.085,00 | |
| D | Overhead & Profit | | | 15% x C | | 16.062,75 | |
| E | Harga Satuan Pekerjaan (C+D) | | | | | 123.147,75 | |

4.2.1.1.2 Pengukuran kemiringan 1 m² galian tanah Tanah Biasa Sedalam 1 M

| No | Uraian | Kode | Satuan | Koefisien | HargaSatuan(Rp) | JumlahHarga(Rp) | |
|----------|------------------------------|------|--------|-----------|----------------------------|---------------------------|--|
| A | TENAGA | | | | | | |
| | Petanya | L.01 | Orn | 0,790 | 120.000,00 | 94.800,00 | |
| | Mandor | L.04 | Orn | 0,025 | 204.000,00 | 5.115,00 | |
| | | | | | JUMLAH TENAGA KERJA | 100.000,00 | |
| B | BAHAN | | | | | | |
| | | | | | | JUMLAH HARGA BAHAN | |
| C | Jumlah (A+B) | | | | | 100.000,00 | |
| D | Overhead & Profit | | | 15% x C | | 15.000,00 | |
| E | Harga Satuan Pekerjaan (C+D) | | | | | 115.000,00 | |

4.2.1.1.3 Pengukuran 1 m² galian pasir urug

| No | Uraian | Kode | Satuan | Koefisien | HargaSatuan(Rp) | JumlahHarga(Rp) | |
|----------|------------------------------|------|--------|-----------|----------------------------|---------------------------|-------------------|
| A | TENAGA | | | | | | |
| | Petanya | L.01 | Orn | 0,890 | 120.000,00 | 106.800,00 | |
| | Mandor | L.04 | Orn | 0,025 | 204.000,00 | 5.115,00 | |
| | | | | | JUMLAH TENAGA KERJA | 111.915,00 | |
| B | BAHAN | | | | | | |
| | Pasir urug | kg | kg | 1,000 | 111.000,00 | 123.015,00 | |
| | | | | | | JUMLAH HARGA BAHAN | 123.015,00 |
| C | Jumlah (A+B) | | | | | 234.930,00 | |
| D | Overhead & Profit | | | 15% x C | | 35.239,50 | |
| E | Harga Satuan Pekerjaan (C+D) | | | | | 270.169,50 | |

4.2.1.1 HARGA SATUAN PEMERIKSAAN BETON

4.2.1.1.1 Membuat 1 m³ beton mutu f_c = 7,4 MPa (K-100)

| No | Uraian | Kode | Satuan | Koefisien | HargaSatuan(Rp) | JumlahHarga(Rp) |
|----------|------------------------------|-------|--------|-----------|----------------------------|---------------------|
| A | TENAGA | | | | | |
| | Petanya | L.01 | Orn | 1,580 | 120.000,00 | 189.600,00 |
| | Tukang | L.02 | Orn | 0,275 | 180.000,00 | 49.500,00 |
| | Kepala Tukang | L.03 | Orn | 0,007 | 220.000,00 | 1.540,00 |
| | Mandor | L.04 | Orn | 0,003 | 204.000,00 | 612,00 |
| | | | | | JUMLAH TENAGA KERJA | 241.152,00 |
| B | BAHAN | | | | | |
| | Semen Portland | kg | kg | 241,000 | 1.740,00 | 419.340,00 |
| | Pasir Beton | kg | kg | 800,000 | 118,00 | 94.400,00 |
| | Batu Pecah < 3 cm | kg | kg | 800,000 | 225,18 | 180.000,00 |
| | Air | liter | liter | 215,000 | 100,00 | 21.500,00 |
| | | | | | JUMLAH HARGA BAHAN | 715.240,00 |
| C | Jumlah (A+B) | | | | | 956.392,00 |
| D | Overhead & Profit | | | 10% x C | | 95.639,20 |
| E | Harga Satuan Pekerjaan (C+D) | | | | | 1.052.031,20 |

4.2.1.1.2 Membuat 1 m³ beton mutu f_c = 14,8 MPa (K-175), slag (1/2) s.d) cm, w/b = 0,40

| No | Uraian | Kode | Satuan | Koefisien | HargaSatuan(Rp) | JumlahHarga(Rp) |
|----------|------------------------------|-------|--------|-----------|----------------------------|---------------------|
| A | TENAGA | | | | | |
| | Petanya | L.01 | Orn | 1,590 | 120.000,00 | 190.800,00 |
| | Tukang | L.02 | Orn | 0,275 | 180.000,00 | 49.500,00 |
| | Kepala Tukang | L.03 | Orn | 0,007 | 220.000,00 | 1.540,00 |
| | Mandor | L.04 | Orn | 0,003 | 204.000,00 | 612,00 |
| | | | | | JUMLAH TENAGA KERJA | 242.452,00 |
| B | BAHAN | | | | | |
| | Semen Portland | kg | kg | 242,000 | 1.740,00 | 420.480,00 |
| | Pasir Beton | kg | kg | 780,000 | 118,00 | 91.800,00 |
| | Batu Pecah < 3 cm | kg | kg | 1.020,000 | 225,18 | 229.701,60 |
| | Air | liter | liter | 215,000 | 100,00 | 21.500,00 |
| | | | | | JUMLAH HARGA BAHAN | 763.281,60 |
| C | Jumlah (A+B) | | | | | 1.005.733,60 |
| D | Overhead & Profit | | | 10% x C | | 100.573,36 |
| E | Harga Satuan Pekerjaan (C+D) | | | | | 1.106.306,96 |

| A.4.1.17 Perbaikan 10 kg dengan besi jala dan besi ubi | | | | | | |
|--|------------------------------|------|--------|-----------|----------------------------|------------------|
| No | Uraian | Kode | Satuan | Koefisien | HargaSatuan(Rp) | JumlahHarga(Rp) |
| A TENAGA | | | | | | |
| | Pemaja | L.01 | OH | 0,070 | 130.000,00 | 9.100,00 |
| | Tukang | L.02 | OH | 0,070 | 180.000,00 | 12.600,00 |
| | Suplai Tukang | L.03 | OH | 0,007 | 220.000,00 | 1.540,00 |
| | Mandor | L.04 | OH | 0,004 | 204.000,00 | 816,00 |
| | | | | | JUMLAH TENAGA KERJA | 24.056,00 |
| B BAHAN | | | | | | |
| | Besi Beton | | Rg | 0,500 | 10.000,00 | 5.000,00 |
| | Kawat Besi | | Rg | 0,015 | 30.000,00 | 450,00 |
| | | | | | JUMLAH HARGA BAHAN | 5.450,00 |
| C | Jumlah (A+B) | | | | | 29.506,00 |
| D | Overhead & Profit | | | 10% x C | | 2.950,60 |
| E | Harga Satuan Pekerjaan (C+D) | | | | | 32.456,60 |
| F | Harga Satuan Pekerjaan 1 Rg | | | | | 32.456,60 |

| A.4.1.18 Perbaikan 1 m2 banyir area pemati | | | | | | |
|--|------------------------------|------|--------|-----------|----------------------------|-------------------|
| No | Uraian | Kode | Satuan | Koefisien | HargaSatuan(Rp) | JumlahHarga(Rp) |
| A TENAGA | | | | | | |
| | Pemaja | L.01 | OH | 0,020 | 130.000,00 | 2.600,00 |
| | Tukang | L.02 | OH | 0,020 | 180.000,00 | 3.600,00 |
| | Suplai Tukang | L.03 | OH | 0,002 | 220.000,00 | 440,00 |
| | Mandor | L.04 | OH | 0,001 | 204.000,00 | 204,00 |
| | | | | | JUMLAH TENAGA KERJA | 6.844,00 |
| B BAHAN | | | | | | |
| | Kayu kelas II | | m3 | 0,040 | 3.021.040,00 | 120.841,60 |
| | Paku 5 cm - 10 cm | | kg | 0,300 | 28.700,00 | 8.610,00 |
| | Minyak lembaran | | lt | 0,100 | 33.000,00 | 3.300,00 |
| | | | | | JUMLAH HARGA BAHAN | 132.751,60 |
| C | Jumlah (A+B) | | | | | 139.595,60 |
| D | Overhead & Profit | | | 10% x C | | 13.959,56 |
| E | Harga Satuan Pekerjaan (C+D) | | | | | 153.555,16 |

| A.4.1.19 Perbaikan 1 m2 banyir area ubi | | | | | | |
|---|------------------------------|------|--------|-----------|----------------------------|-------------------|
| No | Uraian | Kode | Satuan | Koefisien | HargaSatuan(Rp) | JumlahHarga(Rp) |
| A TENAGA | | | | | | |
| | Pemaja | L.01 | OH | 0,020 | 130.000,00 | 2.600,00 |
| | Tukang | L.02 | OH | 0,020 | 180.000,00 | 3.600,00 |
| | Suplai Tukang | L.03 | OH | 0,002 | 220.000,00 | 440,00 |
| | Mandor | L.04 | OH | 0,001 | 204.000,00 | 204,00 |
| | | | | | JUMLAH TENAGA KERJA | 6.844,00 |
| B BAHAN | | | | | | |
| | Kayu kelas II | | m3 | 0,040 | 3.021.040,00 | 120.841,60 |
| | Paku 5 cm - 10 cm | | kg | 0,300 | 28.700,00 | 8.610,00 |
| | Minyak lembaran | | lt | 0,100 | 33.000,00 | 3.300,00 |
| | | | | | JUMLAH HARGA BAHAN | 132.751,60 |
| C | Jumlah (A+B) | | | | | 139.595,60 |
| D | Overhead & Profit | | | 10% x C | | 13.959,56 |
| E | Harga Satuan Pekerjaan (C+D) | | | | | 153.555,16 |

| A.4.1.20 Perbaikan 1 m2 banyir area ubi | | | | | | |
|---|------------------------------|------|--------|-----------|----------------------------|-------------------|
| No | Uraian | Kode | Satuan | Koefisien | HargaSatuan(Rp) | JumlahHarga(Rp) |
| A TENAGA | | | | | | |
| | Pemaja | L.01 | OH | 0,180 | 130.000,00 | 23.400,00 |
| | Tukang kayu | L.02 | OH | 0,025 | 180.000,00 | 4.500,00 |
| | Tukang besi | L.03 | OH | 0,020 | 180.000,00 | 3.600,00 |
| | Tukang besi | L.02 | OH | 0,020 | 180.000,00 | 3.600,00 |
| | Suplai Tukang | L.03 | OH | 0,002 | 220.000,00 | 440,00 |
| | Mandor | L.04 | OH | 0,001 | 204.000,00 | 204,00 |
| | | | | | JUMLAH TENAGA KERJA | 35.144,00 |
| B BAHAN | | | | | | |
| | Kayu kelas II | | m3 | 0,040 | 3.021.040,00 | 120.841,60 |
| | Paku 5 - 12 cm | | kg | 0,400 | 28.700,00 | 11.480,00 |
| | Minyak lembaran | | lt | 0,300 | 33.000,00 | 9.900,00 |
| | Batu bata merah 0 | | m3 | 0,015 | 7.734.000,00 | 116.010,00 |
| | Plywood 0 mm | | lt | 0,020 | 140.000,00 | 2.800,00 |
| | Galvanis kayu 0 0 10000 cm | | Batang | 2,000 | 26.400,00 | 52.800,00 |
| | | | | | JUMLAH HARGA BAHAN | 193.271,60 |
| C | Jumlah (A+B) | | | | | 228.415,60 |
| D | Overhead & Profit | | | 10% x C | | 22.841,56 |
| E | Harga Satuan Pekerjaan (C+D) | | | | | 251.257,16 |

A.4.1.1 BARGA SATUAN PERUBAHAN BESI DAN ALUMINIUM

| A.4.1.1 Perbaikan 1 kg besi profil CNP 100x20 | | | | | | |
|---|---------------|------|--------|-----------|----------------------------|-----------------|
| No | Uraian | Kode | Satuan | Koefisien | HargaSatuan(Rp) | JumlahHarga(Rp) |
| A TENAGA | | | | | | |
| | Pemaja | L.01 | OH | 0,000 | 130.000,00 | 0,00 |
| | Tukang | L.02 | OH | 0,000 | 180.000,00 | 0,00 |
| | Suplai Tukang | L.03 | OH | 0,000 | 220.000,00 | 0,00 |
| | Mandor | L.04 | OH | 0,000 | 204.000,00 | 0,00 |
| | | | | | JUMLAH TENAGA KERJA | 0,00 |

| | | | | | | |
|---|------------------------------|--|----|---------|-----------|--------------------|
| B | BAHAN | | | | | |
| | Besi Profil (CNP 100x50) | | kg | 1,180 | 18,180.00 | 20,877.41 |
| | | | | | | JUMLAH HARGA BAHAN |
| | | | | | | 20,877.41 |
| C | Jumlah (A+B) | | | | | 43,824.27 |
| D | Overhead & Profit | | | 15% x C | | 6,573.64 |
| E | Harga Satuan Pekerjaan (C+D) | | | | | 48,397.91 |

A.4.1.14 Persegi panjang 1 kg besi profil (baca profil 2.Mix 120x60 mm)

| No | Uraian | Kode | Satuan | Koefisien | Hargajabatan(Rp) | Jumlah(Harga/Rp) |
|----|------------------------------|------|--------|-----------|------------------|---------------------|
| A | TEMAGA | | | | | |
| | Pakuja | L.01 | OH | 0.080 | 135,000.00 | 8,157.80 |
| | Tulang | L.02 | OH | 0.080 | 195,000.00 | 11,700.00 |
| | Rapasan Tulang | L.03 | OH | 0.000 | 230,000.00 | 1,400.20 |
| | Mandor | L.04 | OH | 0.002 | 204,000.00 | 612.80 |
| | | | | | | JUMLAH TEMAGA KERJA |
| | | | | | | 21,870.80 |
| B | BAHAN | | | | | |
| | Besi Plat 1=0 mm | | kg | 1,150 | 25,500.00 | 29,325.00 |
| | | | | | | JUMLAH HARGA BAHAN |
| | | | | | | 29,325.00 |
| C | Jumlah (A+B) | | | | | 51,235.80 |
| D | Overhead & Profit | | | 15% x C | | 7,685.38 |
| E | Harga Satuan Pekerjaan (C+D) | | | | | 58,921.18 |

A.4.1.15 Persegi panjang 1 kg besi profil (baca profil 1.00-80-5 mm)

| No | Uraian | Kode | Satuan | Koefisien | Hargajabatan(Rp) | Jumlah(Harga/Rp) |
|----|---------------------------------|------|--------|-----------|------------------|---------------------|
| A | TEMAGA | | | | | |
| | Pakuja | L.01 | OH | 0.080 | 135,000.00 | 8,157.80 |
| | Tulang | L.02 | OH | 0.080 | 195,000.00 | 11,700.00 |
| | Rapasan Tulang | L.03 | OH | 0.000 | 230,000.00 | 1,400.20 |
| | Mandor | L.04 | OH | 0.002 | 204,000.00 | 612.80 |
| | | | | | | JUMLAH TEMAGA KERJA |
| | | | | | | 21,870.80 |
| B | BAHAN | | | | | |
| | Besi Profil (baca 1.00-80-5 mm) | | kg | 1,180 | 20,880.87 | 24,639.87 |
| | | | | | | JUMLAH HARGA BAHAN |
| | | | | | | 24,639.87 |
| C | Jumlah (A+B) | | | | | 46,510.67 |
| D | Overhead & Profit | | | 15% x C | | 7,008.61 |
| E | Harga Satuan Pekerjaan (C+D) | | | | | 53,519.28 |

A.4.1.16 Persegi panjang 10 cm persegi panjang dengan besi beton

| No | Uraian | Kode | Satuan | Koefisien | Hargajabatan(Rp) | Jumlah(Harga/Rp) |
|----|---|------|--------|-----------|------------------|---------------------|
| A | TEMAGA | | | | | |
| | Pakuja | L.01 | OH | 0.080 | 135,000.00 | 8,157.80 |
| | Tulang | L.02 | OH | 0.080 | 195,000.00 | 11,700.00 |
| | Rapasan Tulang | L.03 | OH | 0.000 | 230,000.00 | 475.75 |
| | Mandor | L.04 | OH | 0.002 | 204,000.00 | 408.00 |
| | | | | | | JUMLAH TEMAGA KERJA |
| | | | | | | 10,741.55 |
| B | BAHAN | | | | | |
| | Besi beton 10cm | | kg | 0.400 | 52,120.00 | 21,464.40 |
| | Semen | | liter | 0.300 | 16,000.00 | 4,800.00 |
| | Miyok jelantah | | liter | 0.080 | 118,200.00 | 4,770.00 |
| | | | | | | JUMLAH HARGA BAHAN |
| | | | | | | 31,034.40 |
| C | Jumlah (A+B) | | | | | 41,776.00 |
| D | Overhead & Profit | | | 15% x C | | 6,266.40 |
| E | Harga Satuan Pekerjaan (C+D) | | | | | 48,042.40 |
| F | Harga Satuan Pekerjaan / m ² | | | | | 4,748.27 |

A.4.1.1 HARGA SATUAN PERKERJAAN PASANGAN BENDUNG

A.4.1.1.1 Persegi panjang 1m2 dinding bata merah (baca 1.1x0.7) cm tebal 10 batu

| No | Uraian | Kode | Satuan | Koefisien | Hargajabatan(Rp) | Jumlah(Harga/Rp) |
|----|------------------------------|------|----------------|-----------|------------------|---------------------|
| A | TEMAGA | | | | | |
| | Pakuja | L.01 | OH | 0.3000 | 78,000.00 | 40,788.00 |
| | Tulang | L.02 | OH | 0.1000 | 180,000.00 | 18,000.00 |
| | Rapasan Tulang | L.03 | OH | 0.0100 | 228,000.00 | 2,280.00 |
| | Mandor | L.04 | OH | 0.0100 | 204,000.00 | 2,040.00 |
| | | | | | | JUMLAH TEMAGA KERJA |
| | | | | | | 63,108.00 |
| B | BAHAN | | | | | |
| | Batu Merah | | Batu | 10,000 | 600.00 | 6,000.00 |
| | Semen Portland | | kg | 11,000 | 1,740.00 | 20,170.00 |
| | Pass Pasang | | m ² | 0.0430 | 154,000.00 | 6,622.44 |
| | | | | | | JUMLAH HARGA BAHAN |
| | | | | | | 32,792.44 |
| C | Jumlah (A+B) | | | | | 95,900.44 |
| D | Overhead & Profit | | | 15% x C | | 14,385.07 |
| E | Harga Satuan Pekerjaan (C+D) | | | | | 110,285.51 |

A.4.1.2 HARGA SATUAN PERKERJAAN PELESTERAN

A.4.1.2.1 Persegi panjang 1m2 plesteran 1:2:4 4cm tebal 10cm

| No | Uraian | Kode | Satuan | Koefisien | Hargajabatan(Rp) | Jumlah(Harga/Rp) |
|----|----------------|------|--------|-----------|------------------|---------------------|
| A | TEMAGA | | | | | |
| | Pakuja | L.01 | OH | 0.3000 | 135,000.00 | 40,788.00 |
| | Tulang | L.02 | OH | 0.1000 | 195,000.00 | 20,250.00 |
| | Rapasan Tulang | L.03 | OH | 0.0150 | 230,000.00 | 3,450.00 |
| | Mandor | L.04 | OH | 0.0150 | 204,000.00 | 3,060.00 |
| | | | | | | JUMLAH TEMAGA KERJA |
| | | | | | | 70,548.00 |

| | | | | | | |
|---|------------------------------|--|----------------|---------|-----------|--------------------|
| B | BAHAM | | | | | |
| | Senen Portland | | kg | 0,3400 | 1.740,00 | 10.807,80 |
| | Pasir Pasang | | M ³ | 0,0280 | 54.080,00 | 1.887,32 |
| | | | | | | JUMLAH HARGA BAHAN |
| | | | | | | 14.595,12 |
| C | Jumlah (A+B) | | | | | 31.291,82 |
| D | Overhead & Profit | | | 10% x C | | 3.129,18 |
| E | Harga Satuan Pekerjaan (C+D) | | | | | 34.421,00 |

A.4.5.1. HARGA SATUAN PERUBAHAN PENUTUP ATAP

| A.4.5.1.1 Perbaikan 1 m ² Atap Transparan Isoliruf | | | | | | |
|--|------------------------------|------|----------------|-----------|-----------------|---------------------|
| No | Uraian | Kode | Satuan | Koefisien | HargaSatuan(Rp) | JumlahHarga(Rp) |
| A | TEMAGA | | | | | |
| | Pasirja | L.01 | OH | 0,1000 | 115.000,00 | 11.500,00 |
| | Talang | L.02 | OH | 0,0000 | 105.000,00 | 0,00 |
| | Pupuk Talang | L.03 | OH | 0,0100 | 210.000,00 | 2.100,00 |
| | Mandor | L.04 | OH | 0,0100 | 204.000,00 | 2.040,00 |
| | | | | | | JUMLAH TEMAGA KERJA |
| | | | | | | 15.640,00 |
| B | BAHAM | | | | | |
| | Atap Transparan Isoliruf | | m ² | 1,0000 | 284.000,00 | 284.000,00 |
| | Batu | | Buah | 5,0000 | 800,00 | 4.000,00 |
| | | | | | | JUMLAH HARGA BAHAN |
| | | | | | | 288.000,00 |
| C | Jumlah (A+B) | | | | | 303.640,00 |
| D | Overhead & Profit | | | 10% x C | | 30.364,00 |
| E | Harga Satuan Pekerjaan (C+D) | | | | | 334.004,00 |

A.4.7.1 HARGA SATUAN PERUBAHAN PENGECAIAN

| A.4.7.1.1 Perbaikan/perbaikan 1 m ² permukaan cat lama | | | | | | |
|--|------------------------------|------|--------|-----------|-----------------|---------------------|
| No | Uraian | Kode | Satuan | Koefisien | HargaSatuan(Rp) | JumlahHarga(Rp) |
| A | TEMAGA | | | | | |
| | Pekerja | L.01 | OH | 0,100 | 120.000,00 | 12.000,00 |
| | Mandor | L.02 | OH | 0,001 | 204.000,00 | 204,00 |
| | | | | | | JUMLAH TEMAGA KERJA |
| | | | | | | 12.204,00 |
| B | BAHAM | | | | | |
| | | | | | | JUMLAH HARGA BAHAN |
| | | | | | | 0,00 |
| C | Jumlah (A+B) | | | | | 12.204,00 |
| D | Overhead & Profit | | | 10% x C | | 1.220,40 |
| E | Harga Satuan Pekerjaan (C+D) | | | | | 13.424,40 |

| A.4.7.1.2 1 m ² Perbaikan lantai pada permukaan baji cara manual | | | | | | |
|--|------------------------------|------|--------|-----------|-----------------|---------------------|
| No | Uraian | Kode | Satuan | Koefisien | HargaSatuan(Rp) | JumlahHarga(Rp) |
| A | TEMAGA | | | | | |
| | Pekerja | L.01 | OH | 0,100 | 130.000,00 | 13.000,00 |
| | Mandor | L.02 | OH | 0,001 | 204.000,00 | 204,00 |
| | | | | | | JUMLAH TEMAGA KERJA |
| | | | | | | 13.204,00 |
| B | BAHAM | | | | | |
| | Semen | | kg | 0,0000 | 31.200,00 | 0,00 |
| | | | | | | JUMLAH HARGA BAHAN |
| | | | | | | 0,00 |
| C | Jumlah (A+B) | | | | | 13.204,00 |
| D | Overhead & Profit | | | 10% x C | | 1.320,40 |
| E | Harga Satuan Pekerjaan (C+D) | | | | | 14.524,40 |

| A.4.7.1.3 Perbaikan 1 m ² Terasan Lantai (1 Lapis Cat Dasar, 2 Lapis Cat Perhias) | | | | | | |
|---|------------------------------|------|--------|-----------|-----------------|---------------------|
| No | Uraian | Kode | Satuan | Koefisien | HargaSatuan(Rp) | JumlahHarga(Rp) |
| A | TEMAGA | | | | | |
| | Pasirja | L.01 | OH | 0,0300 | 115.000,00 | 3.450,00 |
| | Talang | L.02 | OH | 0,0000 | 105.000,00 | 0,00 |
| | Pupuk Talang | L.03 | OH | 0,0000 | 210.000,00 | 0,00 |
| | Mandor | L.04 | OH | 0,0000 | 204.000,00 | 0,00 |
| | | | | | | JUMLAH TEMAGA KERJA |
| | | | | | | 3.450,00 |
| B | BAHAM | | | | | |
| | Cat Dasar | | kg | 0,1000 | 34.000,00 | 3.400,00 |
| | Cat Perhias | | kg | 0,1000 | 117.000,00 | 11.700,00 |
| | | | | | | JUMLAH HARGA BAHAN |
| | | | | | | 15.100,00 |
| C | Jumlah (A+B) | | | | | 18.550,00 |
| D | Overhead & Profit | | | 10% x C | | 1.855,00 |
| E | Harga Satuan Pekerjaan (C+D) | | | | | 20.405,00 |

| A.4.7.1.4 Perbaikan 1 m ² Lantai Duro (1 Lapis perhias, 1 lapis cat dasar, 2 lapis cat perhias) | | | | | | |
|---|------------------------------|------|--------|-----------|-----------------|---------------------|
| No | Uraian | Kode | Satuan | Koefisien | HargaSatuan(Rp) | JumlahHarga(Rp) |
| A | TEMAGA | | | | | |
| | Pasirja | L.01 | OH | 0,0200 | 135.000,00 | 2.700,00 |
| | Talang | L.02 | OH | 0,0000 | 105.000,00 | 0,00 |
| | Pupuk Talang | L.03 | OH | 0,0000 | 210.000,00 | 0,00 |
| | Mandor | L.04 | OH | 0,0000 | 204.000,00 | 0,00 |
| | | | | | | JUMLAH TEMAGA KERJA |
| | | | | | | 2.700,00 |
| B | BAHAM | | | | | |
| | Pasirja | | kg | 0,1000 | 112.200,00 | 11.220,00 |
| | Cat dasar Terhias | | kg | 0,1000 | 34.000,00 | 3.400,00 |
| | Cat Perhias Terhias | | kg | 0,0000 | 117.000,00 | 0,00 |
| | | | | | | JUMLAH HARGA BAHAN |
| | | | | | | 14.620,00 |
| C | Jumlah (A+B) | | | | | 17.320,00 |
| D | Overhead & Profit | | | 10% x C | | 1.732,00 |
| E | Harga Satuan Pekerjaan (C+D) | | | | | 19.052,00 |

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| | | |
|--------------|-------------|-------------|
| 17. 17.17.17 | 17.17.17.17 | 17.17.17.17 |
| 17.17.17.17 | 17.17.17.17 | 17.17.17.17 |
| 17.17.17.17 | 17.17.17.17 | 17.17.17.17 |

DAFTAR HARGA SATUAN UPAH DAN HARGA SATUAN BAHAN (DHSUB)

PEKERJAAN : PERENCANAAN RENOVASI SCREEN HOUSE B1 UPT BIIH KUTAGADING
 INSTANSI : DINAS TANAMAN PANGAN DAN HORTIKULTURA PROVINSI SUMATERA UTARA
 LOKASI : BERASTAGI, KAB. KARO
 TAHUN : 2023

| NO | NAMA BAHAN | HARGA | SATUAN |
|----------|--|-----------------|----------------|
| A | DAFTAR PEKERJA | | |
| 1 | Pekerja | Rp 186 300,00 | Orang/Hari |
| 2 | Tukang | Rp 196 000,00 | Orang/Hari |
| 3 | Kepala Tukang | Rp 239 800,00 | Orang/Hari |
| 4 | Mandor | Rp 204 000,00 | Orang/Hari |
| 5 | Upah Pembongkaran Pisu | Rp 174 000,00 | m ² |
| 6 | Upah Pembongkaran Shading Net | Rp 21 000,00 | m ² |
| B | DAFTAR BAHAN | | |
| 1 | Air Kerja | Rp 120,00 | Liter |
| 2 | Batu Bata Merah | Rp 830,00 | Buat |
| 3 | Pasir Pasang/Beton | Rp 454 080,00 | m ³ |
| 4 | Pasir Pasang/Batu | Rp 112,60 | kg |
| 5 | Pasir Hilir | Rp 111 600,00 | m ³ |
| 6 | Batu Pecah 2-3 cm | Rp 382 800,00 | m ³ |
| 7 | Batu Pecah 3-5 cm | Rp 225,19 | kg |
| 8 | Semen Portland | Rp 1 140,00 | kg |
| 9 | Besi Beton Polos | Rp 16 600,00 | kg |
| 10 | Kawat Beton | Rp 38 360,00 | kg |
| 11 | Kayu Kelas II | Rp 7 734 000,00 | m ³ |
| 12 | Kayu Kelas III | Rp 5 321 040,00 | m ³ |
| 13 | Plywood 9 mm | Rp 146 800,00 | Lm |
| 14 | Clavian kayu Ø 6-10/400 cm | Rp 26 400,00 | kg |
| 15 | Minyak Babiding | Rp 33 000,00 | Liter |
| 16 | Sabun | Rp 32 780,00 | kg |
| 17 | Pijampur | Rp 112 260,00 | kg |
| 18 | Cal Tembok Eksterior | Rp 177 000,00 | kg |
| 19 | Cal Dapur/Sekel | Rp 34 320,00 | kg |
| 20 | Cal Manis Bata | Rp 78 000,00 | kg |
| 21 | Kuas 3" | Rp 26 400,00 | Buat |
| 22 | Pipa Beton | Rp 48 200,00 | kg |
| 23 | Paku Bata | Rp 28 700,00 | kg |
| 24 | Besi Profil (CNP 100x50) | Rp 48 189,08 | kg |
| 25 | Pipa galvanis 1 1/2" | Rp 91 140,00 | m |
| 26 | Kawat las lemuk | Rp 53 736,00 | kg |
| 27 | Seler | Rp 18 000,00 | Liter |
| 28 | Minyak pakuas | Rp 118 250,00 | Liter |
| 29 | Shading Net Kerpakan 88% | Rp 13 432,00 | m ² |
| 30 | Traksung M20 | Rp 81 000,00 | kg |
| 31 | Alap Transparan Solartruff | Rp 234 000,00 | m ² |
| 32 | Batu | Rp 900,00 | Pcs |
| 33 | Angkur Bolt dia 18 mm | Rp 16 920,00 | Buat |
| 34 | Besi Plat 1x5 mm | Rp 25 500,00 | kg |
| 35 | Besi Siku L 40 40 5 mm | Rp 28 668,87 | kg |
| 36 | Glas dan Nbr Besi Siku | Rp 16 200,00 | Buat |
| 37 | Tangki Air 1000 L | Rp 5 063 220,00 | Buat |
| 38 | Pompa Jumps | Rp 2 179 600,00 | Buat |
| 39 | Pipa PVC 1" AW | Rp 16 500,00 | m |
| 40 | Stop Kiri 1" | Rp 43 300,00 | Buat |
| 41 | Pintu Rangka Besi Hollow + Shading Net | Rp 1 500 000,00 | m ² |
| 42 | Pengantar | Rp 33 000,00 | Liter |
| 43 | Perawatan Kayu | Rp 300 000,00 | m ² |