

## LAMPIRAN

### Lampiran 1 Surat Permohonan Izin Penelitian dan Pengambilan Data Skripsi



Tanggal : 24 Mei 2022  
Nomor : 006/EKS-TSP/UPJ/05.22  
Lampiran : 1 (satu)  
Perihal : Surat Permohonan Izin Penelitian dan Pengambilan Data

Kepada Yth,  
**Bapak Joko Wuryanto, S.T**  
**Pimpinan Proyek**  
**PT. Pengelola Investama Mandiri**  
Perumahan Sahira Regency, Kavling J No. 12a  
Kel. Kaliwadas, Kec. Sumber, Kabupaten Cirebon

Dengan hormat,

Sehubungan dengan pelaksanaan kegiatan belajar mengajar di Universitas Pembangunan Jaya, Program Studi Teknik Sipil menyelenggarakan program skripsi sebagai syarat penyelesaian program kejaran. Dengan maksud tersebut, kami, Program Studi Teknik Sipil Universitas Pembangunan Jaya, meminta Bapak/Ibu agar dapat mengizinkan mahasiswa kami untuk dapat melakukan penelitian dan pengambilan data dalam rangka menyelesaikan penelitian yang dimaksud. Pengambilan data ini bertujuan untuk kebutuhan data pendukung skripsi yang berjudul Analisis rencana percepatan durasi proyek studi kasus proyek perumahan Sahira Regency – Cirebon, Jawa Barat.

Adapun mahasiswa tersebut adalah

Nama : Romadanarto Pratama  
NIM : 2018091040  
No HP./Email : 082113351254 / [romadanarto.pratama@student.upj.ac.id](mailto:romadanarto.pratama@student.upj.ac.id)

Apabila ada hal yang ingin dikonfirmasi, mohon kiranya dapat menghubungi Ibu Galih Wulandari Subagyo, S.T., M.T. (0821-2382-1987) selaku dosen pembimbing skripsi mahasiswa tersebut.

Demikian surat ini kami sampaikan. Atas perhatian dan kerja samanya, kami ucapkan terima kasih.

Hormat Kami,  
Kepala Program Studi Teknik Sipil  
Universitas Pembangunan Jaya

  
**Pratiwi Riris Putrianti, S.T., M.T.**  
NIP. 08.0120.004

Catatan : Mohon maaf apabila terdapat kesalahan dalam penulisan Nama dan Gelar

Universitas Pembangunan Jaya  
Jl. Cendrawasih Raya, Blok B7/P, Bintaro Jaya, Sawah Baru, Ciputat, Tangerang Selatan, 15413  
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## Lampiran 2 Surat Persetujuan Izin Penelitian dan Pengambilan Data Skripsi



Cirebon, 26 Mei 2022

Nomor : 003/PIM/Cirebon/Kaliwadas/Project/V/2022  
Lampiran : 1 (satu)  
Perihal : Surat Persetujuan Izin Penelitian dan Data Skripsi

KepadaYth.  
Ketua Program Studi Teknik Sipil  
Fakultas Teknik dan Desain  
Universitas Pembangunan Jaya  
Jl. Cendrawasih Raya Tangerang Selatan 15413

Menindak lanjuti surat dari Program Studi Teknik Sipil Fakultas Teknik dan Desain Universitas Pembangunan Jaya, No. 006/EKS-TSP/UPJ/05.22 berkenaan dengan Permohonan Izin Penelitian dan Pengambilan Data Skripsi untuk Skripsi S1, maka kami memberikan ijin untuk melakukan Penelitian dan Pengambilan Data Skripsi kepada :

Nama : Romadanarto Pratama  
NIM : 2018091040  
Program Studi : Teknik Sipil  
Fakultas : Fakultas Teknik dan Desain  
Jenjang : S1  
Asal Universitas : Universitas Pembangunan Jaya  
Judul Penelitian : Analisis Rencana Percepatan Durasi Proyek

Demikianlah surat ini kami sampaikan. Atas kerjasamanya kami ucapkan terima kasih.

Hormat Kami,



Joko Wuryanto, ST  
Pimpinan Proyek

Lampiran 3 Peta Lokasi Proyek (Siteplan) Perumahan Sahira Regency Cirebon



PEMERINTAH KABUPATEN CIREBON  
DINAS PERUMAHAN, KAWASAN PERUMUKAN  
DAN PERTANAHAN  
Jl. Sunan Giri No. 6 Telp. (0231) 320870

**RENCANA TAPAK**  
**PEMBANGUNAN PERUMAHAN SAHIRA REGENCY**

Lokasi: Blok Bandungan Kalurahan Kalliwadas  
Kacamatan Sumber Kabupaten Cirebon

Luas Lahan : 19.532 m<sup>2</sup> dari 21.177 m<sup>2</sup>

**CATATAN :**

1. Penetapan Konsep/Kegunaan Pemanfaatan Ruang dari Lembaga Pengabdian dan Penyandang CSS NIB. 3112211023200001 Tanggal 31 Desember 2021 seluas 19.532 m<sup>2</sup> pada SH koordinat 6.741693, 108.484347.
2. Surat Kelengkapan Tempel Perumahan Umum (TPI) No. 485/1026/010232 Tanggal 9 Maret 2022 yang berlokasi di Blok Sitakos, Kohor Nomor C Kalurahan Kalliwadas Kacamatan Sumber Kabupaten Cirebon seluas 391 m<sup>2</sup> (2,00%).
3. Perumahan Sahira Regency adalah Perumahan Kepemilikan seluas 19.532 m<sup>2</sup> dari Perumahan Griya Kalliwadas Permai, PT. Indah Berkah Utama (Luas awal 54.852m<sup>2</sup> seluas 19.532 m<sup>2</sup> menjadi 35.320 m<sup>2</sup>) ke PT. Pengembang Investasi Mandiri.
4. Akurasi jodoh SH koordinat pada gambar rencana tapak mendetail posisi SH koordinat di lapangan.

**KETERANGAN :**

Luas Lahan Keseluruhan : 19.532,00 m<sup>2</sup> (100,00%)

1. Luas Lahan Tertutup : 12.102,00 m<sup>2</sup> ( 62,00%)

- Tipe 45/75-103 ( 87 unit) : 4.824,00 m<sup>2</sup>
- Tipe 38/72-87 ( 83 unit) : 8.148,00 m<sup>2</sup>
- Tipe 27/72 ( 28 unit) : 1.440,00 m<sup>2</sup>
- Total Luas Lahan Tertutup ( 193 unit) : 12.102,00 m<sup>2</sup>

2. Luas Lahan Terbuka : 7.430,00 m<sup>2</sup> (38,00%)

- RTH/Taman : 1.108,00 m<sup>2</sup>
- Fasadum/Fasad : 400,00 m<sup>2</sup>
- TPI : 14,00 m<sup>2</sup>
- Jalan dan Saluran : 6.890,00 m<sup>2</sup>
- Total Luas Lahan Terbuka : 7.430,00 m<sup>2</sup>

**DIRENCANAKAN DAN DIGAMBAR :**

Joko Wuryanto, ST.  
Perencana

**PEMILIK :**  
PT. PENGEMBANG INVESTASI MANDIRI  
NPTN 5432300001, BE.  
PENGEMBANG OLEH :  
REKAPITULASI PERUMAHAN  
DIRENCANAKAN, KAWASAN PERUMUKAN  
DAN PERTANAHAN

Asep Kurniawan, S.K.M., ST.  
NIP. 196303091196703 1 003

**PESERTA DAN DIBAHKAN OLEH :**  
PEMERINTAH KABUPATEN CIREBON  
DINAS PERUMAHAN, KAWASAN PERUMUKAN  
DAN PERTANAHAN  
M. Adnan Pratiwo, MT,  
NIP. 196303091196703 1 003

No. Registrasi : 013/2019/Perum  
Tanggal : 11/12/2022

SKALA : 1:1.000      JML. LEMBAR : 1

NO.	PEKERJAAN	SATUAN	VOLUME	BOBOT (%)	HARGA SATUAN	JUMLAH HARGA
<i>PERSIAPAN</i>						
A						
1	Direksi Keet	LS	1.00	0.000	Rp -	Rp -
2	Air Kerja	LS	1.00	0.279	Rp 400,000.00	Rp 400,000.00
3	Listrik Kerja	LS	1.00	0.349	Rp 500,000.00	Rp 500,000.00
4	Keamanan Proyek	LS	1.00	0.419	Rp 600,000.00	Rp 600,000.00
	Sub Total Persiapan					Rp 1,500,000.00
<i>PONDASI</i>						
B						
1	Bowplank	M'	48.30	0.286	Rp 8,500.00	Rp 410,550.00
2	Galian Pondasi	M <sup>3</sup>	8.40	0.278	Rp 47,500.00	Rp 399,000.00
3	Pasangan Pondasi Batu Kali	M <sup>3</sup>	8.40	3.663	Rp 625,000.00	Rp 5,250,000.00
4	Timbungan Galian Kembali	M <sup>3</sup>	7.20	0.201	Rp 40,000.00	Rp 288,000.00
5	Pemadatan Tanah	M <sup>2</sup>	45.00	0.471	Rp 15,000.00	Rp 675,000.00
	Sub Total Pondasi					Rp 7,022,550.00
<i>STRUKTUR</i>						
C						
1	Pondasi Plat Setempat 6 Titik Ø6 & Ø8	M <sup>3</sup>	0.48	0.740	Rp 2,210,000.00	Rp 1,060,800.00
2	Sloof Ø8 & Ø6	M <sup>3</sup>	1.05	1.619	Rp 2,210,000.00	Rp 2,320,500.00
3	Kolom Ø10 & Ø6	M <sup>3</sup>	1.87	2.883	Rp 2,210,000.00	Rp 4,132,700.00
4	Ring Balok Ø8 & Ø6	M <sup>3</sup>	2.69	4.148	Rp 2,210,000.00	Rp 5,944,900.00
5	Dak Talang Ø8	M <sup>3</sup>	1.31	2.020	Rp 2,210,000.00	Rp 2,895,100.00

6	Luivel Beton t = 10cm	M <sup>3</sup>	0.74	1.138	Rp	2,203,500.00	Rp	1,630,590.00
Sub Total Struktur							Rp	17,984,590.00
D	<i>DINDING</i>							
1	Pasangan Dinding Bata Ringan t = 10cm	M <sup>2</sup>	212.00	16.566	Rp	112,000.00	Rp	23,744,000.00
2	Pasangan Plester Dinding + Aci Dinding	M <sup>2</sup>	295.00	8.233	Rp	40,000.00	Rp	11,800,000.00
3	Trasram 1PC:3PS t = 30cm	M'	59.50	1.868	Rp	45,000.00	Rp	2,677,500.00
Sub Total Dinding							Rp	38,221,500.00
E	<i>ATAP</i>							
1	Rangka Atap Bj. Ringan (Kuda-Kuda+Kaso+Reng)	M2	89.00	7.451	Rp	120,000.00	Rp	10,680,000.00
2	Pasangan Genteng Flat Beton	M2	89.00	5.899	Rp	95,000.00	Rp	8,455,000.00
3	Bubungan Genteng / Nok	M'	9.00	0.314	Rp	50,000.00	Rp	450,000.00
4	Genteng Siku	M'	7.00	0.293	Rp	60,000.00	Rp	420,000.00
Sub Total Atap							Rp	20,005,000.00
F	<i>PLAFON</i>							
1	Rangka Plafon Besi Hollow	M <sup>2</sup>	62.80	1.753	Rp	40,000.00	Rp	2,512,000.00
2	Papan Gypsum Board	M'	62.80	2.848	Rp	65,000.00	Rp	4,082,000.00
3	Shadow Line	M'	58.70	0.614	Rp	15,000.00	Rp	880,500.00
4	Lisplank GRC	M'	10.00	0.209	Rp	30,000.00	Rp	300,000.00
Sub Total Plafon							Rp	7,774,500.00
G	<i>LANTAI</i>							
1	Lantai Kerja	M <sup>2</sup>	45.00	0.942	Rp	30,000.00	Rp	1,350,000.00

2	Pasangan Granit HT 60X60cm	M <sup>2</sup>	34.50	3.851	Rp	160,000.00	Rp	5,520,000.00
3	Pasangan Granit HT Lantai Kmr. Tidur 60X60cm	M <sup>2</sup>	18.30	2.043	Rp	160,000.00	Rp	2,928,000.00
4	Pasangan Keramik Lantai Kmr. Mandi	M <sup>2</sup>	2.55	0.160	Rp	90,000.00	Rp	229,500.00
5	Pasangan Keramik Dinding Kmr. Mandi	M <sup>2</sup>	17.80	1.056	Rp	85,000.00	Rp	1,513,000.00
6	Pasangan Keramik Teras	M <sup>2</sup>	2.40	0.112	Rp	67,000.00	Rp	160,800.00
	Sub Total Lantai						Rp	11,701,300.00
H	<i>PINTU &amp; JENDELA</i>							
1	Pasangan Kusen Alumunium Pintu + Jendela 4 inch	M'	73.50	5.641	Rp	110,000.00	Rp	8,085,000.00
2	Pintu Engineering Solid Finish Duco	Unit	1.00	1.186	Rp	1,700,000.00	Rp	1,700,000.00
3	Pintu Double Teakwood	Unit	3.00	1.465	Rp	700,000.00	Rp	2,100,000.00
4	Kaca Pintu + Jendela t = 5mm	M <sup>2</sup>	15.00	1.203	Rp	115,000.00	Rp	1,725,000.00
5	Pintu Kmr. Mandi PVC	Unit	1.00	0.244	Rp	350,000.00	Rp	350,000.00
	Sub Total Pintu & Jendela						Rp	13,960,000.00
I	<i>AKSESORIS PINTU DAN JENDELA</i>							
1	Smart Door Lock Pintu Depan merk Dekson	Unit	1.00	1.291	Rp	1,850,000.00	Rp	1,850,000.00
2	Handle Pintu Kamar & Pintu Belakang	Unit	3.00	0.314	Rp	150,000.00	Rp	450,000.00
3	Engsel Pintu 3 Unit/Pintu	Unit	12.00	0.209	Rp	25,000.00	Rp	300,000.00

4	Engsel Jendela 2 Unit/Jendela	Unit	10.00	0.174	Rp	25,000.00	Rp	250,000.00
Sub Total Aksesoris Pintu & Jendela							Rp	2,850,000.00
J	<i>PENGECATAN</i>							
1	Dinding Dalam	M <sup>2</sup>	180.50	1.637	Rp	13,000.00	Rp	2,346,500.00
2	Dinding Luar	M <sup>2</sup>	95.40	0.998	Rp	15,000.00	Rp	1,431,000.00
3	Plafond	M <sup>2</sup>	54.20	0.454	Rp	12,000.00	Rp	650,400.00
4	Fasade	M <sup>2</sup>	15.50	0.162	Rp	15,000.00	Rp	232,500.00
Sub Total Pengecatan							Rp	4,660,400.00
K	<i>SANITAIR</i>							
1	Kloset Duduk merk Toto	Unit	1.00	1.395	Rp	2,000,000.00	Rp	2,000,000.00
2	Pipa PVC 4 inch	M'	31.00	1.190	Rp	55,000.00	Rp	1,705,000.00
3	Pipa PVC 3 inch	M'	16.00	0.447	Rp	40,000.00	Rp	640,000.00
4	Pipa PVC 1/2 inch	M'	31.00	0.260	Rp	12,000.00	Rp	372,000.00
5	Kran Kmr. Mandi (single) merk Toto	pcs	1.00	0.174	Rp	250,000.00	Rp	250,000.00
6	Kran (Depan+Dapur) merk Toto	pcs	2.00	0.049	Rp	35,000.00	Rp	70,000.00
7	Shower	pcs	1.00	0.140	Rp	200,000.00	Rp	200,000.00
8	Stop Kran Kloset + Jet Washer	pcs	2.00	0.084	Rp	60,000.00	Rp	120,000.00
9	Floor Drain	pcs	2.00	0.056	Rp	40,000.00	Rp	80,000.00
10	Inlet Talang	pcs	4.00	0.056	Rp	20,000.00	Rp	80,000.00
11	Sumur Bor ± 12m, Pompa Air, Rumah Pompa + Instalasi Pipa	LS	1.00	2.442	Rp	3,500,000.00	Rp	3,500,000.00

12	Septitank Uk. 1x1x1,2M	LS	1.00	0.698	Rp	1,000,000.00	Rp	1,000,000.00
Sub Total Sanitair							Rp	10,017,000.00
L	<i>INSTALASI LISTRIK</i>							
1	Stop Kontak merk Panasonic	Titik	6.00	0.628	Rp	150,000.00	Rp	900,000.00
2	Titik Cahaya (termasuk Lampu Armatur)	Titik	12.00	2.009	Rp	240,000.00	Rp	2,880,000.00
3	Panel MCB 2 Phase	Unit	1.00	0.070	Rp	100,000.00	Rp	100,000.00
4	Grounding	Titik	1.00	0.070	Rp	100,000.00	Rp	100,000.00
Sub Total Instalasi Listrik							Rp	3,980,000.00
<i>LAIN - LAIN</i>								
1	Carport (Rabat Beton)	M <sup>2</sup>	6.00	0.167	Rp	40,000.00	Rp	240,000.00
2	Taman	M <sup>2</sup>	6.82	0.238	Rp	50,000.00	Rp	341,000.00
3	Blumbak t = 12cm	M <sup>2</sup>	2.70	0.094	Rp	50,000.00	Rp	135,000.00
4	Decker t = 12cm	M <sup>2</sup>	4.00	1.005	Rp	360,000.00	Rp	1,440,000.00
5	Pasangan Kitchen Set (Dinding + Meja Granit HT 60x60cm + Kitchen Sink + Kran)	LS	1.00	0.837	Rp	1,200,000.00	Rp	1,200,000.00
6	Perapihan dan Pembersihan Akhir	LS	1.00	0.209	Rp	300,000.00	Rp	300,000.00
Sub Total Lain - Lain							Rp	3,656,000.00
TOTAL ANGGARAN 1 UNIT RUMAH TIPE 45							Rp	143,332,840.00
TOTAL ANGGARAN 57 UNIT RUMAH TIPE 45							Rp	8,169,971,880.00
PPN 10%							Rp	816,997,188.00
GRAND TOTAL ANGGARAN 57 UNIT RUMAH TIPE 45							Rp	8,986,969,068.00



Lampiran 5 Work Breakdown Structure Rencana Pembangunan Rumah Tipe 45

NO.	Pekerjaan	SATUAN	VOLUME	BOBOT (%)	DURASI HARI	MULAI	SELESAI
<b>TAHAP 1 PEMBANGUNAN RUMAH TIPE 45 (10 UNIT RUMAH)</b>							
<b>A</b>	<b>PERSIAPAN</b>						
1	Direksi Keet	LS	1.00	0.000	2	09 August 2021	10 August 2021
2	Air Kerja	LS	1.00	0.279	1	09 August 2021	09 August 2021
3	Listrik Kerja	LS	1.00	0.349	1	09 August 2021	09 August 2021
4	Keamanan Proyek	LS	1.00	0.419	1	09 August 2021	09 August 2021
<b>B</b>	<b>PONDASI</b>						
1	Bowplank	M'	48.30	0.286	3	09 August 2021	11 August 2021
2	Galian Pondasi	M3	8.40	0.278	8	11 August 2021	19 August 2021
3	Pasangan Pondasi Batu Kali	M3	8.40	3.663	10	19 August 2021	30 August 2021
4	Timbungan Galian Kembali	M3	7.20	0.201	4	31 August 2021	03 September 2021
5	Pemadatan Tanah	M2	45.00	0.471	3	03 September 2021	06 September 2021
<b>C</b>	<b>STRUKTUR</b>						
1	Pondasi Plat Setempat 6 Titik Ø6 & Ø8	M3	0.48	0.740	12	06 September 2021	18 September 2021
2	Sloof Ø8 & Ø6	M3	1.05	1.619	6	16 September 2021	22 September 2021
3	Kolom Ø10 & Ø6	M3	1.87	2.883	10	21 September 2021	01 September 2021
4	Ring Balok Ø8 & Ø6	M3	2.69	4.148	10	30 September 2021	11 October 2021
5	Dak Talang Ø8	M3	1.31	2.020	6	08 October 2021	14 October 2021
6	Luivel Beton t = 10cm	M3	0.74	1.138	5	14 October 2021	19 October 2021
<b>D</b>	<b>DINDING</b>						

1	Pasangan Dinding Bata Ringan t = 10cm	M2	212.00	16.566	13	01 October 2021	13 October 2021
2	Pasangan Plester Dinding + Aci Dinding	M2	295.00	8.233	12	14 October 2021	26 October 2021
3	Trasram 1PC:3PS t = 30cm	M'	59.50	1.868	10	09 October 2021	20 October 2021
<b>E</b>	<b>ATAP</b>						
1	Rangka Atap Bj. Ringan (Kuda-Kuda+Kaso+Reng)	M2	89.00	7.451	9	21 October 2021	30 October 2021
2	Pasangan Genteng Flat Beton	M2	89.00	5.899	3	01 November 2021	03 November 2021
3	Bubungan Genteng / Nok	M'	9.00	0.314	2	30 October 2021	01 November 2021
4	Genteng Siku	M'	7.00	0.293	2	30 October 2021	01 November 2021
<b>F</b>	<b>PLAFON</b>						
1	Rangka Plafon Besi Hollow	M2	62.80	1.753	2	03 November 2021	04 November 2021
2	Papan Gypsum Board	M'	62.80	2.848	2	04 November 2021	05 November 2021
3	Shadow Line	M'	58.70	0.614	2	04 November 2021	05 November 2021
4	Lisplank GRC	M'	10.00	0.209	1	05 November 2021	05 November 2021
<b>G</b>	<b>LANTAI</b>						
1	Lantai Kerja	M2	45.00	0.942	5	26 October 2021	30 October 2021
2	Pasangan Granit HT 60X60cm	M2	34.50	3.851	7	29 October 2021	05 November 2021
3	Pasangan Granit HT Lantai Kmr. Tidur 60X60cm	M2	18.30	2.043	4	29 October 2021	02 November 2021
4	Pasangan Keramik Lantai Kmr. Mandi	M2	2.55	0.160	4	29 October 2021	02 November 2021
5	Pasangan Keramik Dinding Kmr. Mandi	M2	17.80	1.056	4	29 October 2021	02 November 2021
6	Pasangan Keramik Teras	M2	2.40	0.112	3	29 October 2021	01 November 2021
<b>H</b>	<b>PINTU &amp; JENDELA</b>						
1	Pasangan Kusen Alumunium Pintu + Jendela 4 inch	M'	73.50	5.641	3	08 November 2021	10 November 2021
2	Pintu Engineering Solid Finish Duco	Unit	1.00	1.186	2	08 November 2021	09 November 2021
3	Pintu Double Teakwood	Unit	3.00	1.465	2	08 November 2021	09 November 2021

4	Kaca Pintu + Jendela t = 5mm	M2	15.00	1.203	2	08 November 2021	09 November 2021
5	Pintu Kmr. Mandi PVC	Unit	1.00	0.244	1	08 November 2021	08 November 2021
<b>I</b>	<b>AKSESORIS PINTU DAN JENDELA</b>						
1	Smart Door Lock Pintu Depan merk Dekson	Unit	1.00	1.291	1	11 November 2021	11 November 2021
2	Handle Pintu Kamar & Pintu Belakang	Unit	3.00	0.314	1	11 November 2021	11 November 2021
3	Engsel Pintu 3 Unit/Pintu	Unit	12.00	0.209	2	11 November 2021	12 November 2021
4	Engsel Jendela 2 Unit/Jendela	Unit	10.00	0.174	2	11 November 2021	12 November 2021
<b>J</b>	<b>PENGECATAN</b>						
1	Dinding Dalam	M2	180.50	1.637	7	13 November 2021	20 November 2021
2	Dinding Luar	M2	95.40	0.998	6	13 November 2021	19 November 2021
3	Plafond	M2	54.20	0.454	4	13 November 2021	17 November 2021
4	Fasade	M2	15.50	0.162	2	13 November 2021	15 November 2021
<b>K</b>	<b>SANITAIR</b>						
1	Kloset Duduk merk Toto	Unit	1.00	1.395	1	11 November 2021	11 November 2021
2	Pipa PVC 4 inch	M'	31.00	1.190	2	23 September 2021	24 September 2021
3	Pipa PVC 3 inch	M'	16.00	0.447	2	23 September 2021	24 September 2021
4	Pipa PVC 1/2 inch	M'	31.00	0.260	2	11 October 2021	12 October 2021
5	Kran Kmr. Mandi (single) merk Toto	pcs	1.00	0.174	1	15 November 2021	15 November 2021
6	Kran (Depan+Dapur) merk Toto	pcs	2.00	0.049	2	15 November 2021	16 November 2021
7	Shower	pcs	1.00	0.140	1	15 November 2021	15 November 2021
8	Stop Kran Kloset + Jet Washer	pcs	2.00	0.084	1	15 November 2021	15 November 2021
9	Floor Drain	pcs	2.00	0.056	1	15 November 2021	15 November 2021
10	Inlet Talang	pcs	4.00	0.056	1	15 November 2021	15 November 2021
11	Sumur Bor ± 12m, Pompa Air, Rumah Pompa + Instalasi Pipa	LS	1.00	2.442	3	30 September 2021	02 October 2021

12	Septitank Uk. 1x1x1,2M	LS	1.00	0.698	2	30 September 2021	01 October 2021
<b>L</b>	<b>INSTALASI LISTRIK</b>						
1	Stop Kontak merk Panasonic	Titik	6.00	0.628	1	27 October 2021	27 October 2021
2	Titik Cahaya (termasuk Lampu Armatur)	Titik	12.00	2.009	1	04 November 2021	04 November 2021
3	Panel MCB 2 Phase	Unit	1.00	0.070	2	29 October 2021	30 October 2021
4	Grounding	Titik	1.00	0.070	1	27 October 2021	27 October 2021
	<b>LAIN - LAIN</b>						
1	Carport (Rabat Beton)	M2	6.00	0.167	3	15 November 2021	17 November 2021
2	Taman	M2	6.82	0.238	2	15 November 2021	16 November 2021
3	Blumbak t = 12cm	M2	2.70	0.094	3	16 November 2021	18 November 2021
4	Decker t = 12cm	M2	4.00	1.005	3	17 November 2021	19 November 2021
5	Pasangan Kitchen Set (Dinding + Meja Granit HT 60x60cm + Kitchen Sink + Kran)	LS	1.00	0.837	3	16 November 2021	18 November 2021
6	Perapihan dan Pembersihan Akhir	LS	1.00	0.209	1	17 November 2021	17 November 2021
	<b>TAHAP 2 PEMBANGUNAN RUMAH TIPE 45 (10 UNIT RUMAH)</b>						
<b>A</b>	<b>PERSIAPAN</b>						
1	Direksi Keet	LS	1.00	0.000	2	20 November 2021	22 November 2021
2	Air Kerja	LS	1.00	0.279	1	20 November 2021	20 November 2021
3	Listrik Kerja	LS	1.00	0.349	1	20 November 2021	20 November 2021
4	Keamanan Proyek	LS	1.00	0.419	1	20 November 2021	20 November 2021
<b>B</b>	<b>PONDASI</b>						
1	Bowplank	M'	48.30	0.286	3	20 November 2021	23 November 2021
2	Galian Pondasi	M3	8.40	0.278	8	23 November 2021	01 December 2021
3	Pasangan Pondasi Batu Kali	M3	8.40	3.663	10	01 December 2021	11 December 2021
4	Timbungan Galian Kembali	M3	7.20	0.201	4	13 December 2021	16 December 2021

5	Pemadatan Tanah	M2	45.00	0.471	3	16 December 2021	18 December 2021
<b>C</b>	<b>STRUKTUR</b>						
1	Pondasi Plat Setempat 6 Titik Ø6 & Ø8	M3	0.48	0.740	12	18 December 2021	03 January 2022
2	Sloof Ø8 & Ø6	M3	1.05	1.619	6	29 December 2021	06 January 2022
3	Kolom Ø10 & Ø6	M3	1.87	2.883	10	05 January 2022	15 January 2022
4	Ring Balok Ø8 & Ø6	M3	2.69	4.148	10	14 January 2022	25 January 2022
5	Dak Talang Ø8	M3	1.31	2.020	6	22 January 2022	28 January 2022
6	Luivel Beton t = 10cm	M3	0.74	1.138	5	28 January 2022	02 February 2022
<b>D</b>	<b>DINDING</b>						
1	Pasangan Dinding Bata Ringan t = 10cm	M2	212.00	16.566	13	15 January 2022	27 January 2022
2	Pasangan Plester Dinding + Aci Dinding	M2	295.00	8.233	12	28 January 2022	09 February 2022
3	Trasram 1PC:3PS t = 30cm	M'	59.50	1.868	10	24 January 2022	03 February 2022
<b>E</b>	<b>ATAP</b>						
1	Rangka Atap Bj. Ringan (Kuda-Kuda+Kaso+Reng)	M2	89.00	7.451	9	04 February 2022	14 February 2022
2	Pasangan Genteng Flat Beton	M2	89.00	5.899	3	15 February 2022	17 February 2022
3	Bubungan Genteng / Nok	M'	9.00	0.314	2	14 February 2022	15 February 2022
4	Genteng Siku	M'	7.00	0.293	2	14 February 2022	15 February 2022
<b>F</b>	<b>PLAFON</b>						
1	Rangka Plafon Besi Hollow	M2	62.80	1.753	2	17 February 2022	18 February 2022
2	Papan Gypsum Board	M'	62.80	2.848	2	18 February 2022	19 February 2022
3	Shadow Line	M'	58.70	0.614	2	18 February 2022	19 February 2022
4	Lisplank GRC	M'	10.00	0.209	1	19 February 2022	19 February 2022
<b>G</b>	<b>LANTAI</b>						
1	Lantai Kerja	M2	45.00	0.942	5	09 February 2022	14 February 2022
2	Pasangan Granit HT 60X60cm	M2	34.50	3.851	7	12 February 2022	19 February 2022

3	Pasangan Granit HT Lantai Kmr. Tidur 60X60cm	M2	18.30	2.043	4	12 February 2022	16 February 2022
4	Pasangan Keramik Lantai Kmr. Mandi	M2	2.55	0.160	4	12 February 2022	16 February 2022
5	Pasangan Keramik Dinding Kmr. Mandi	M2	17.80	1.056	4	12 February 2022	16 February 2022
6	Pasangan Keramik Teras	M2	2.40	0.112	3	12 February 2022	15 February 2022
<b>H</b>	<b>PINTU &amp; JENDELA</b>						
1	Pasangan Kusen Alumunium Pintu + Jendela 4 inch	M'	73.50	5.641	3	22 February 2022	24 February 2022
2	Pintu Engineering Solid Finish Duco	Unit	1.00	1.186	2	22 February 2022	23 February 2022
3	Pintu Double Teakwood	Unit	3.00	1.465	2	22 February 2022	23 February 2022
4	Kaca Pintu + Jendela t = 5mm	M2	15.00	1.203	2	22 February 2022	23 February 2022
5	Pintu Kmr. Mandi PVC	Unit	1.00	0.244	1	22 February 2022	22 February 2022
<b>I</b>	<b>AKSESORIS PINTU DAN JENDELA</b>						
1	Smart Door Lock Pintu Depan merk Dekson	Unit	1.00	1.291	1	25 February 2022	25 February 2022
2	Handle Pintu Kamar & Pintu Belakang	Unit	3.00	0.314	1	25 February 2022	25 February 2022
3	Engsel Pintu 3 Unit/Pintu	Unit	12.00	0.209	2	25 February 2022	26 February 2022
4	Engsel Jendela 2 Unit/Jendela	Unit	10.00	0.174	2	25 February 2022	26 February 2022
<b>J</b>	<b>PENGECATAN</b>						
1	Dinding Dalam	M2	180.50	1.637	7	28 February 2022	07 March 2022
2	Dinding Luar	M2	95.40	0.998	6	28 February 2022	05 March 2022
3	Plafond	M2	54.20	0.454	4	28 February 2022	03 March 2022
4	Fasade	M2	15.50	0.162	2	28 February 2022	01 March 2022
<b>K</b>	<b>SANITAIR</b>						
1	Kloset Duduk merk Toto	Unit	1.00	1.395	1	25 February 2022	25 February 2022
2	Pipa PVC 4 inch	M'	31.00	1.190	2	07 January 2022	08 January 2022
3	Pipa PVC 3 inch	M'	16.00	0.447	2	07 January 2022	08 January 2022

4	Pipa PVC 1/2 inch	M'	31.00	0.260	2	25 January 2022	26 January 2022
5	Kran Kmr. Mandi (single) merk Toto	pes	1.00	0.174	1	01 March 2022	01 March 2022
6	Kran (Depan+Dapur) merk Toto	pes	2.00	0.049	2	01 March 2022	02 March 2022
7	Shower	pes	1.00	0.140	1	01 March 2022	01 March 2022
8	Stop Kran Kloset + Jet Washer	pes	2.00	0.084	1	01 March 2022	01 March 2022
9	Floor Drain	pes	2.00	0.056	1	01 March 2022	01 March 2022
10	Inlet Talang	pes	4.00	0.056	1	01 March 2022	01 March 2022
11	Sumur Bor ± 12m, Pompa Air, Rumah Pompa + Instalasi Pipa	LS	1.00	2.442	3	14 January 2022	17 January 2022
12	Septitank Uk. 1x1x1,2M	LS	1.00	0.698	2	14 January 2022	15 January 2022
<b>L</b>	<b>INSTALASI LISTRIK</b>						
1	Stop Kontak merk Panasonic	Titik	6.00	0.628	1	10 February 2022	10 February 2022
2	Titik Cahaya (termasuk Lampu Armatur)	Titik	12.00	2.009	1	18 February 2022	18 February 2022
3	Panel MCB 2 Phase	Unit	1.00	0.070	2	12 February 2022	14 February 2022
4	Grounding	Titik	1.00	0.070	1	10 February 2022	10 February 2022
	<b>LAIN - LAIN</b>						
1	Carport (Rabat Beton)	M2	6.00	0.167	3	01 March 2022	03 March 2022
2	Taman	M2	6.82	0.238	2	01 March 2022	02 March 2022
3	Blumbak t = 12cm	M2	2.70	0.094	3	02 March 2022	04 March 2022
4	Decker t = 12cm	M2	4.00	1.005	3	03 March 2022	05 March 2022
5	Pasangan Kitchen Set (Dinding + Meja Granit HT 60x60cm + Kitchen Sink + Kran)	LS	1.00	0.837	3	02 March 2022	04 March 2022
6	Perapihan dan Pembersihan Akhir	LS	1.00	0.209	1	03 March 2022	03 March 2022
<b>TAHAP 3 PEMBANGUNAN RUMAH TIPE 45 (10 UNIT RUMAH)</b>							
<b>A</b>	<b>PERSIAPAN</b>						

1	Direksi Keet	LS	1.00	0.000	2	07 March 2022	08 March 2022
2	Air Kerja	LS	1.00	0.279	1	07 March 2022	07 March 2022
3	Listrik Kerja	LS	1.00	0.349	1	07 March 2022	07 March 2022
4	Keamanan Proyek	LS	1.00	0.419	1	07 March 2022	07 March 2022
<b>B</b>	<b>PONDASI</b>						
1	Bowplank	M'	48.30	0.286	3	07 March 2022	09 March 2022
2	Galian Pondasi	M3	8.40	0.278	8	09 March 2022	17 March 2022
3	Pasangan Pondasi Batu Kali	M3	8.40	3.663	10	17 March 2022	28 March 2022
4	Timbungan Galian Kembali	M3	7.20	0.201	4	29 March 2022	01 April 2022
5	Pemadatan Tanah	M2	45.00	0.471	3	01 April 2022	04 April 2022
<b>C</b>	<b>STRUKTUR</b>						
1	Pondasi Plat Setempat 6 Titik Ø6 & Ø8	M3	0.48	0.740	12	04 April 2022	16 April 2022
2	Sloof Ø8 & Ø6	M3	1.05	1.619	6	14 April 2022	20 April 2022
3	Kolom Ø10 & Ø6	M3	1.87	2.883	10	19 April 2022	13 May 2022
4	Ring Balok Ø8 & Ø6	M3	2.69	4.148	10	12 May 2022	23 May 2022
5	Dak Talang Ø8	M3	1.31	2.020	6	20 May 2022	26 May 2022
6	Luivel Beton t = 10cm	M3	0.74	1.138	5	26 May 2022	31 May 2022
<b>D</b>	<b>DINDING</b>						
1	Pasangan Dinding Bata Ringan t = 10cm	M2	212.00	16.566	13	13 May 2022	25 May 2022
2	Pasangan Plester Dinding + Aci Dinding	M2	295.00	8.233	12	26 May 2022	07 June 2022
3	Trasram 1PC:3PS t = 30cm	M'	59.50	1.868	10	21 May 2022	01 June 2022
<b>E</b>	<b>ATAP</b>						
1	Rangka Atap Bj. Ringan (Kuda-Kuda+Kaso+Reng)	M2	89.00	7.451	9	02 June 2022	11 June 2022
2	Pasangan Genteng Flat Beton	M2	89.00	5.899	3	13 June 2022	15 June 2022
3	Bubungan Genteng / Nok	M'	9.00	0.314	2	11 June 2022	13 June 2022



<b>4</b>	Genteng Siku	M'	7.00	0.293	2	11 June 2022	13 June 2022
<b>F</b>	<b>PLAFON</b>						
<b>1</b>	Rangka Plafon Besi Hollow	M2	62.80	1.753	2	15 June 2022	16 June 2022
<b>2</b>	Papan Gypsum Board	M'	62.80	2.848	2	16 June 2022	17 June 2022
<b>3</b>	Shadow Line	M'	58.70	0.614	2	16 June 2022	17 June 2022
<b>4</b>	Lisplank GRC	M'	10.00	0.209	1	17 June 2022	17 June 2022
<b>G</b>	<b>LANTAI</b>						
<b>1</b>	Lantai Kerja	M2	45.00	0.942	5	07 June 2022	11 June 2022
<b>2</b>	Pasangan Granit HT 60X60cm	M2	34.50	3.851	7	10 June 2022	17 June 2022
<b>3</b>	Pasangan Granit HT Lantai Kmr. Tidur 60X60cm	M2	18.30	2.043	4	10 June 2022	14 June 2022
<b>4</b>	Pasangan Keramik Lantai Kmr. Mandi	M2	2.55	0.160	4	10 June 2022	14 June 2022
<b>5</b>	Pasangan Keramik Dinding Kmr. Mandi	M2	17.80	1.056	4	10 June 2022	14 June 2022
<b>6</b>	Pasangan Keramik Teras	M2	2.40	0.112	3	10 June 2022	13 June 2022
<b>H</b>	<b>PINTU &amp; JENDELA</b>						
<b>1</b>	Pasangan Kusen Alumunium Pintu + Jendela 4 inch	M'	73.50	5.641	3	20 June 2022	22 June 2022
<b>2</b>	Pintu Engineering Solid Finish Duco	Unit	1.00	1.186	2	20 June 2022	21 June 2022
<b>3</b>	Pintu Double Teakwood	Unit	3.00	1.465	2	20 June 2022	21 June 2022
<b>4</b>	Kaca Pintu + Jendela t = 5mm	M2	15.00	1.203	2	20 June 2022	21 June 2022
<b>5</b>	Pintu Kmr. Mandi PVC	Unit	1.00	0.244	1	20 June 2022	20 June 2022
<b>I</b>	<b>AKSESORIS PINTU DAN JENDELA</b>						
<b>1</b>	Smart Door Lock Pintu Depan merk Dekson	Unit	1.00	1.291	1	23 June 2022	23 June 2022
<b>2</b>	Handle Pintu Kamar & Pintu Belakang	Unit	3.00	0.314	1	23 June 2022	23 June 2022
<b>3</b>	Engsel Pintu 3 Unit/Pintu	Unit	12.00	0.209	2	23 June 2022	24 June 2022
<b>4</b>	Engsel Jendela 2 Unit/Jendela	Unit	10.00	0.174	2	23 June 2022	24 June 2022

<b>J</b>							
<b>PENGECATAN</b>							
1	Dinding Dalam	M2	180.50	1.637	7	25 June 2022	02 July 2022
2	Dinding Luar	M2	95.40	0.998	6	25 June 2022	01 July 2022
3	Plafond	M2	54.20	0.454	4	25 June 2022	29 June 2022
4	Fasade	M2	15.50	0.162	2	25 June 2022	27 June 2022
<b>K</b>							
<b>SANITAIR</b>							
1	Kloset Duduk merk Toto	Unit	1.00	1.395	1	23 June 2022	23 June 2022
2	Pipa PVC 4 inch	M'	31.00	1.190	2	21 April 2022	22 April 2022
3	Pipa PVC 3 inch	M'	16.00	0.447	2	21 April 2022	22 April 2022
4	Pipa PVC 1/2 inch	M'	31.00	0.260	2	23 May 2022	24 May 2022
5	Kran Kmr. Mandi (single) merk Toto	pcs	1.00	0.174	1	27 June 2022	27 June 2022
6	Kran (Depan+Dapur) merk Toto	pcs	2.00	0.049	2	27 June 2022	28 June 2022
7	Shower	pcs	1.00	0.140	1	27 June 2022	27 June 2022
8	Stop Kran Kloset + Jet Washer	pcs	2.00	0.084	1	27 June 2022	27 June 2022
9	Floor Drain	pcs	2.00	0.056	1	27 June 2022	27 June 2022
10	Inlet Talang	pcs	4.00	0.056	1	27 June 2022	27 June 2022
11	Sumur Bor ± 12m, Pompa Air, Rumah Pompa + Instalasi Pipa	LS	1.00	2.442	3	12 May 2022	14 May 2022
12	Septitank Uk. 1x1x1,2M	LS	1.00	0.698	2	12 May 2022	13 May 2022
<b>L</b>							
<b>INSTALASI LISTRIK</b>							
1	Stop Kontak merk Panasonic	Titik	6.00	0.628	1	08 June 2022	08 June 2022
2	Titik Cahaya (termasuk Lampu Armatur)	Titik	12.00	2.009	1	16 June 2022	16 June 2022
3	Panel MCB 2 Phase	Unit	1.00	0.070	2	10 June 2022	11 June 2022
4	Grounding	Titik	1.00	0.070	1	08 June 2022	08 June 2022
<b>LAIN - LAIN</b>							
1	Carport (Rabat Beton)	M2	6.00	0.167	3	27 June 2022	29 June 2022

2	Taman	M2	6.82	0.238	2	27 June 2022	28 June 2022
3	Blumbak t = 12cm	M2	2.70	0.094	3	28 June 2022	30 June 2022
4	Decker t = 12cm	M2	4.00	1.005	3	29 June 2022	01 July 2022
5	Pasangan Kitchen Set (Dinding + Meja Granit HT 60x60cm + Kitchen Sink + Kran)	LS	1.00	0.837	3	28 June 2022	30 June 2022
6	Perapihan dan Pembersihan Akhir	LS	1.00	0.209	1	29 June 2022	29 June 2022
<b>TAHAP 4 PEMBANGUNAN RUMAH TIPE 45 (10 UNIT RUMAH)</b>							
<b>A</b>	<b>PERSIAPAN</b>						
1	Direksi Keet	LS	1.00	0.000	2	02 July 2022	04 July 2022
2	Air Kerja	LS	1.00	0.279	1	02 July 2022	04 July 2022
3	Listrik Kerja	LS	1.00	0.349	1	02 July 2022	02 July 2022
4	Keamanan Proyek	LS	1.00	0.419	1	02 July 2022	02 July 2022
<b>B</b>	<b>PONDASI</b>						
1	Bowplank	M'	48.30	0.286	3	02 July 2022	05 July 2022
2	Galian Pondasi	M3	8.40	0.278	8	05 July 2022	13 July 2022
3	Pasangan Pondasi Batu Kali	M3	8.40	3.663	10	13 July 2022	23 July 2022
4	Timbungan Galian Kembali	M3	7.20	0.201	4	25 July 2022	28 July 2022
5	Pemadatan Tanah	M2	45.00	0.471	3	28 July 2022	30 July 2022
<b>C</b>	<b>STRUKTUR</b>						
1	Pondasi Plat Setempat 6 Titik Ø6 & Ø8	M3	0.48	0.740	12	30 July 2022	12 August 2022
2	Sloof Ø8 & Ø6	M3	1.05	1.619	6	10 August 2022	16 August 2022
3	Kolom Ø10 & Ø6	M3	1.87	2.883	10	15 August 2022	25 August 2022
4	Ring Balok Ø8 & Ø6	M3	2.69	4.148	10	24 August 2022	03 September 2022
5	Dak Talang Ø8	M3	1.31	2.020	6	01 September 2022	07 September 2022
6	Luivel Beton t = 10cm	M3	0.74	1.138	5	07 September 2022	12 September 2022

<b>D</b>							
<b>DINDING</b>							
1	Pasangan Dinding Bata Ringan t = 10cm	M2	212.00	16.566	13	25 August 2022	06 September 2022
2	Pasangan Plester Dinding + Aci Dinding	M2	295.00	8.233	12	07 September 2022	19 September 2022
3	Trasram 1PC:3PS t = 30cm	M'	59.50	1.868	10	02 September 2022	13 September 2022
<b>E</b>							
<b>ATAP</b>							
1	Rangka Atap Bj. Ringan (Kuda-Kuda+Kaso+Reng)	M2	89.00	7.451	9	14 September 2022	23 September 2022
2	Pasangan Genteng Flat Beton	M2	89.00	5.899	3	24 September 2022	27 September 2022
3	Bubungan Genteng / Nok	M'	9.00	0.314	2	23 September 2022	24 September 2022
4	Genteng Siku	M'	7.00	0.293	2	23 September 2022	24 September 2022
<b>F</b>							
<b>PLAFON</b>							
1	Rangka Plafon Besi Hollow	M2	62.80	1.753	2	27 September 2022	28 September 2022
2	Papan Gypsum Board	M'	62.80	2.848	2	28 September 2022	29 September 2022
3	Shadow Line	M'	58.70	0.614	2	28 September 2022	29 September 2022
4	Lisplank GRC	M'	10.00	0.209	1	29 September 2022	29 September 2022
<b>G</b>							
<b>LANTAI</b>							
1	Lantai Kerja	M2	45.00	0.942	5	19 September 2022	23 September 2022
2	Pasangan Granit HT 60X60cm	M2	34.50	3.851	7	22 September 2022	29 September 2022
3	Pasangan Granit HT Lantai Kmr. Tidur 60X60cm	M2	18.30	2.043	4	22 September 2022	26 September 2022
4	Pasangan Keramik Lantai Kmr. Mandi	M2	2.55	0.160	4	22 September 2022	26 September 2022
5	Pasangan Keramik Dinding Kmr. Mandi	M2	17.80	1.056	4	22 September 2022	26 September 2022
6	Pasangan Keramik Teras	M2	2.40	0.112	3	22 September 2022	24 September 2022
<b>H</b>							
<b>PINTU &amp; JENDELA</b>							
1	Pasangan Kusen Alumunium Pintu + Jendela 4 inch	M'	73.50	5.641	3	01 October 2022	04 October 2022
2	Pintu Engineering Solid Finish Duco	Unit	1.00	1.186	2	01 October 2022	03 October 2022

3	Pintu Double Teakwood	Unit	3.00	1.465	2	01 October 2022	03 October 2022
4	Kaca Pintu + Jendela t = 5mm	M2	15.00	1.203	2	01 October 2022	03 October 2022
5	Pintu Kmr. Mandi PVC	Unit	1.00	0.244	1	01 October 2022	01 October 2022
<b>I</b>	<b>AKSESORIS PINTU DAN JENDELA</b>						
1	Smart Door Lock Pintu Depan merk Dekson	Unit	1.00	1.291	1	05 October 2022	05 October 2022
2	Handle Pintu Kamar & Pintu Belakang	Unit	3.00	0.314	1	05 October 2022	05 October 2022
3	Engsel Pintu 3 Unit/Pintu	Unit	12.00	0.209	2	05 October 2022	06 October 2022
4	Engsel Jendela 2 Unit/Jendela	Unit	10.00	0.174	2	05 October 2022	06 October 2022
<b>J</b>	<b>PENGECATAN</b>						
1	Dinding Dalam	M2	180.50	1.637	7	07 October 2022	14 October 2022
2	Dinding Luar	M2	95.40	0.998	6	07 October 2022	13 October 2022
3	Plafond	M2	54.20	0.454	4	07 October 2022	11 October 2022
4	Fasade	M2	15.50	0.162	2	07 October 2022	08 October 2022
<b>K</b>	<b>SANITAIR</b>						
1	Kloset Duduk merk Toto	Unit	1.00	1.395	1	05 October 2022	05 October 2022
2	Pipa PVC 4 inch	M'	31.00	1.190	2	17 August 2022	18 August 2022
3	Pipa PVC 3 inch	M'	16.00	0.447	2	17 August 2022	18 August 2022
4	Pipa PVC 1/2 inch	M'	31.00	0.260	2	03 September 2022	05 September 2022
5	Kran Kmr. Mandi (single) merk Toto	pcs	1.00	0.174	1	08 October 2022	08 October 2022
6	Kran (Depan+Dapur) merk Toto	pcs	2.00	0.049	2	08 October 2022	10 October 2022
7	Shower	pcs	1.00	0.140	1	08 October 2022	08 October 2022
8	Stop Kran Kloset + Jet Washer	pcs	2.00	0.084	1	08 October 2022	08 October 2022
9	Floor Drain	pcs	2.00	0.056	1	08 October 2022	08 October 2022
10	Inlet Talang	pcs	4.00	0.056	1	08 October 2022	08 October 2022

11	Sumur Bor ± 12m, Pompa Air, Rumah Pompa + Instalasi Pipa	LS	1.00	2.442	3	24 August 2022	26 August 2022
12	Septitank Uk. 1x1x1,2M	LS	1.00	0.698	2	24 August 2022	25 August 2022
<b>L</b>	<b>INSTALASI LISTRIK</b>						
1	Stop Kontak merk Panasonic	Titik	6.00	0.628	1	20 September 2022	20 September 2022
2	Titik Cahaya (termasuk Lampu Armatur)	Titik	12.00	2.009	1	28 September 2022	28 September 2022
3	Panel MCB 2 Phase	Unit	1.00	0.070	2	22 September 2022	23 September 2022
4	Grounding	Titik	1.00	0.070	1	20 September 2022	20 September 2022
	<b>LAIN - LAIN</b>						
1	Carport (Rabat Beton)	M2	6.00	0.167	3	08 October 2022	11 October 2022
2	Taman	M2	6.82	0.238	2	08 October 2022	10 October 2022
3	Blumbak t = 12cm	M2	2.70	0.094	3	10 October 2022	12 October 2022
4	Decker t = 12cm	M2	4.00	1.005	3	11 October 2022	13 October 2022
5	Pasangan Kitchen Set (Dinding + Meja Granit HT 60x60cm + Kitchen Sink + Kran)	LS	1.00	0.837	3	10 October 2022	12 October 2022
6	Perapihan dan Pembersihan Akhir	LS	1.00	0.209	1	11 October 2022	11 October 2022
<b>TAHAP 5 PEMBANGUNAN RUMAH TIPE 45 (10 UNIT RUMAH)</b>							
<b>A</b>	<b>PERSIAPAN</b>						
1	Direksi Keet	LS	1.00	0.000	2	14 October 2022	15 October 2022
2	Air Kerja	LS	1.00	0.279	1	14 October 2022	14 October 2022
3	Listrik Kerja	LS	1.00	0.349	1	14 October 2022	14 October 2022
4	Keamanan Proyek	LS	1.00	0.419	1	14 October 2022	14 October 2022
<b>B</b>	<b>PONDASI</b>						
1	Bowplank	M'	48.30	0.286	3	14 October 2022	17 October 2022
2	Galian Pondasi	M3	8.40	0.278	8	17 October 2022	25 October 2022

3	Pasangan Pondasi Batu Kali	M3	8.40	3.663	10	25 October 2022	04 November 2022
4	Timbungan Galian Kembali	M3	7.20	0.201	4	05 November 2022	09 November 2022
5	Pemadatan Tanah	M2	45.00	0.471	3	09 November 2022	11 November 2022
<b>C</b>	<b>STRUKTUR</b>						
1	Pondasi Plat Setempat 6 Titik Ø6 & Ø8	M3	0.48	0.740	12	11 November 2022	24 November 2022
2	Sloof Ø8 & Ø6	M3	1.05	1.619	6	22 November 2022	28 November 2022
3	Kolom Ø10 & Ø6	M3	1.87	2.883	10	26 November 2022	07 December 2022
4	Ring Balok Ø8 & Ø6	M3	2.69	4.148	10	06 December 2022	16 December 2022
5	Dak Talang Ø8	M3	1.31	2.020	6	14 December 2022	20 December 2022
6	Luivel Beton t = 10cm	M3	0.74	1.138	5	20 December 2022	24 December 2022
<b>D</b>	<b>DINDING</b>						
1	Pasangan Dinding Bata Ringan t = 10cm	M2	212.00	16.566	13	07 December 2022	19 December 2022
2	Pasangan Plester Dinding + Aci Dinding	M2	295.00	8.233	12	20 December 2022	02 January 2023
3	Trasram 1PC:3PS t = 30cm	M'	59.50	1.868	10	15 December 2022	26 December 2022
<b>E</b>	<b>ATAP</b>						
1	Rangka Atap Bj. Ringan (Kuda-Kuda+Kaso+Reng)	M2	89.00	7.451	9	27 December 2022	06 January 2023
2	Pasangan Genteng Flat Beton	M2	89.00	5.899	3	07 January 2023	10 January 2023
3	Bubungan Genteng / Nok	M'	9.00	0.314	2	06 January 2023	07 January 2023
4	Genteng Siku	M'	7.00	0.293	2	06 January 2023	07 January 2023
<b>F</b>	<b>PLAFON</b>						
1	Rangka Plafon Besi Hollow	M2	62.80	1.753	2	10 January 2023	11 January 2023
2	Papan Gypsum Board	M'	62.80	2.848	2	11 January 2023	12 January 2023
3	Shadow Line	M'	58.70	0.614	2	11 January 2023	12 January 2023
4	Lisplank GRC	M'	10.00	0.209	1	12 January 2023	12 January 2023
<b>G</b>	<b>LANTAI</b>						

1	Lantai Kerja	M2	45.00	0.942	5	02 January 2023	06 January 2023
2	Pasangan Granit HT 60X60cm	M2	34.50	3.851	7	05 January 2023	12 January 2023
3	Pasangan Granit HT Lantai Kmr. Tidur 60X60cm	M2	18.30	2.043	4	05 January 2023	09 January 2023
4	Pasangan Keramik Lantai Kmr. Mandi	M2	2.55	0.160	4	05 January 2023	09 January 2023
5	Pasangan Keramik Dinding Kmr. Mandi	M2	17.80	1.056	4	05 January 2023	09 January 2023
6	Pasangan Keramik Teras	M2	2.40	0.112	3	05 January 2023	07 January 2023
<b>H</b>	<b>PINTU &amp; JENDELA</b>						
1	Pasangan Kusen Alumunium Pintu + Jendela 4 inch	M'	73.50	5.641	3	14 January 2023	17 January 2023
2	Pintu Engineering Solid Finish Duco	Unit	1.00	1.186	2	14 January 2023	16 January 2023
3	Pintu Double Teakwood	Unit	3.00	1.465	2	14 January 2023	16 January 2023
4	Kaca Pintu + Jendela t = 5mm	M2	15.00	1.203	2	14 January 2023	16 January 2023
5	Pintu Kmr. Mandi PVC	Unit	1.00	0.244	1	14 January 2023	14 January 2023
<b>I</b>	<b>AKSESORIS PINTU DAN JENDELA</b>						
1	Smart Door Lock Pintu Depan merk Dekson	Unit	1.00	1.291	1	18 January 2023	18 January 2023
2	Handle Pintu Kamar & Pintu Belakang	Unit	3.00	0.314	1	18 January 2023	18 January 2023
3	Engsel Pintu 3 Unit/Pintu	Unit	12.00	0.209	2	18 January 2023	19 January 2023
4	Engsel Jendela 2 Unit/Jendela	Unit	10.00	0.174	2	18 January 2023	19 January 2023
<b>J</b>	<b>PENGECATAN</b>						
1	Dinding Dalam	M2	180.50	1.637	7	20 January 2023	27 January 2023
2	Dinding Luar	M2	95.40	0.998	6	20 January 2023	26 January 2023
3	Plafond	M2	54.20	0.454	4	20 January 2023	24 January 2023
4	Fasade	M2	15.50	0.162	2	20 January 2023	21 January 2023
<b>K</b>	<b>SANITAIR</b>						
1	Kloset Duduk merk Toto	Unit	1.00	1.395	1	18 January 2023	18 January 2023



2	Pipa PVC 4 inch	M'	31.00	1.190	2	29 November 2022	30 November 2022
3	Pipa PVC 3 inch	M'	16.00	0.447	2	29 November 2022	30 November 2022
4	Pipa PVC 1/2 inch	M'	31.00	0.260	2	16 December 2022	17 December 2022
5	Kran Kmr. Mandi (single) merk Toto	pcs	1.00	0.174	1	21 January 2023	21 January 2023
6	Kran (Depan+Dapur) merk Toto	pcs	2.00	0.049	2	21 January 2023	23 January 2023
7	Shower	pcs	1.00	0.140	1	21 January 2023	21 January 2023
8	Stop Kran Kloset + Jet Washer	pcs	2.00	0.084	1	21 January 2023	21 January 2023
9	Floor Drain	pcs	2.00	0.056	1	21 January 2023	21 January 2023
10	Inlet Talang	pcs	4.00	0.056	1	21 January 2023	21 January 2023
11	Sumur Bor ± 12m, Pompa Air, Rumah Pompa + Instalasi Pipa	LS	1.00	2.442	3	06 December 2022	08 December 2022
12	Septitank Uk. 1x1x1,2M	LS	1.00	0.698	2	06 December 2022	07 December 2022
<b>L</b>	<b>INSTALASI LISTRIK</b>						
1	Stop Kontak merk Panasonic	Titik	6.00	0.628	1	03 January 2023	03 January 2023
2	Titik Cahaya (termasuk Lampu Armatur)	Titik	12.00	2.009	1	11 January 2023	11 January 2023
3	Panel MCB 2 Phase	Unit	1.00	0.070	2	05 January 2023	06 January 2023
4	Grounding	Titik	1.00	0.070	1	03 January 2023	03 January 2023
	<b>LAIN - LAIN</b>						
1	Carport (Rabat Beton)	M2	6.00	0.167	3	21 January 2023	24 January 2023
2	Taman	M2	6.82	0.238	2	21 January 2023	23 January 2023
3	Blumbak t = 12cm	M2	2.70	0.094	3	23 January 2023	25 January 2023
4	Decker t = 12cm	M2	4.00	1.005	3	24 January 2023	26 January 2023
5	Pasangan Kitchen Set (Dinding + Meja Granit HT 60x60cm + Kitchen Sink + Kran)	LS	1.00	0.837	3	23 January 2023	25 January 2023
6	Perapihan dan Pembersihan Akhir	LS	1.00	0.209	1	24 January 2023	24 January 2023

<b>TAHAP 6 PEMBANGUNAN RUMAH TIPE 45 (6 UNIT RUMAH)</b>							
<b>A</b>							
<b>PERSIAPAN</b>							
1	Direksi Keet	LS	1.00	0.000	2	27 January 2023	28 January 2023
2	Air Kerja	LS	1.00	0.279	1	27 January 2023	27 January 2023
3	Listrik Kerja	LS	1.00	0.349	1	27 January 2023	27 January 2023
4	Keamanan Proyek	LS	1.00	0.419	1	27 January 2023	27 January 2023
<b>B</b>							
<b>PONDASI</b>							
1	Bowplank	M'	48.30	0.286	3	27 January 2023	30 January 2023
2	Galian Pondasi	M3	8.40	0.278	8	30 January 2023	07 February 2023
3	Pasangan Pondasi Batu Kali	M3	8.40	3.663	10	07 February 2023	17 February 2023
4	Timbungan Galian Kembali	M3	7.20	0.201	4	18 February 2023	22 February 2023
5	Pemadatan Tanah	M2	45.00	0.471	3	22 February 2023	24 February 2023
<b>C</b>							
<b>STRUKTUR</b>							
1	Pondasi Plat Setempat 6 Titik Ø6 & Ø8	M3	0.48	0.740	12	24 February 2023	09 March 2023
2	Sloof Ø8 & Ø6	M3	1.05	1.619	6	07 March 2023	13 March 2023
3	Kolom Ø10 & Ø6	M3	1.87	2.883	10	11 March 2023	22 March 2023
4	Ring Balok Ø8 & Ø6	M3	2.69	4.148	10	21 March 2023	31 March 2023
5	Dak Talang Ø8	M3	1.31	2.020	6	29 March 2023	04 April 2023
6	Luivel Beton t = 10cm	M3	0.74	1.138	5	04 April 2023	08 April 2023
<b>D</b>							
<b>DINDING</b>							
1	Pasangan Dinding Bata Ringan t = 10cm	M2	212.00	16.566	13	22 March 2023	03 April 2023
2	Pasangan Plester Dinding + Aci Dinding	M2	295.00	8.233	12	04 April 2023	15 April 2023
3	Trasram 1PC:3PS t = 30cm	M'	59.50	1.868	10	30 March 2023	10 April 2023
<b>E</b>							
<b>ATAP</b>							
1	Rangka Atap Bj. Ringan (Kuda-Kuda+Kaso+Reng)	M2	89.00	7.451	9	11 April 2023	20 April 2023

2	Pasangan Genteng Flat Beton	M2	89.00	5.899	3	21 April 2023	08 May 2023
3	Bubungan Genteng / Nok	M'	9.00	0.314	2	20 April 2023	21 April 2023
4	Genteng Siku	M'	7.00	0.293	2	20 April 2023	21 April 2023
<b>F</b>	<b>PLAFON</b>						
1	Rangka Plafon Besi Hollow	M2	62.80	1.753	2	08 May 2023	09 May 2023
2	Papan Gypsum Board	M'	62.80	2.848	2	09 May 2023	10 May 2023
3	Shadow Line	M'	58.70	0.614	2	09 May 2023	10 May 2023
4	Lisplank GRC	M'	10.00	0.209	1	10 May 2023	10 May 2023
<b>G</b>	<b>LANTAI</b>						
1	Lantai Kerja	M2	45.00	0.942	5	15 April 2023	20 April 2023
2	Pasangan Granit HT 60X60cm	M2	34.50	3.851	7	19 April 2023	10 May 2023
3	Pasangan Granit HT Lantai Kmr. Tidur 60X60cm	M2	18.30	2.043	4	19 April 2023	22 April 2023
4	Pasangan Keramik Lantai Kmr. Mandi	M2	2.55	0.160	4	19 April 2023	22 April 2023
5	Pasangan Keramik Dinding Kmr. Mandi	M2	17.80	1.056	4	19 April 2023	22 April 2023
6	Pasangan Keramik Teras	M2	2.40	0.112	3	19 April 2023	21 April 2023
<b>H</b>	<b>PINTU &amp; JENDELA</b>						
1	Pasangan Kusen Alumunium Pintu + Jendela 4 inch	M'	73.50	5.641	3	12 May 2023	15 May 2023
2	Pintu Engineering Solid Finish Duco	Unit	1.00	1.186	2	12 May 2023	13 May 2023
3	Pintu Double Teakwood	Unit	3.00	1.465	2	12 May 2023	13 May 2023
4	Kaca Pintu + Jendela t = 5mm	M2	15.00	1.203	2	12 May 2023	13 May 2023
5	Pintu Kmr. Mandi PVC	Unit	1.00	0.244	1	12 May 2023	12 May 2023
<b>I</b>	<b>AKSESORIS PINTU DAN JENDELA</b>						
1	Smart Door Lock Pintu Depan merk Dekson	Unit	1.00	1.291	1	16 May 2023	16 May 2023
2	Handle Pintu Kamar & Pintu Belakang	Unit	3.00	0.314	1	16 May 2023	16 May 2023

3	Engsel Pintu 3 Unit/Pintu	Unit	12.00	0.209	2	16 May 2023	17 May 2023
4	Engsel Jendela 2 Unit/Jendela	Unit	10.00	0.174	2	16 May 2023	17 May 2023
<b>J</b>	<b>PENGECATAN</b>						
1	Dinding Dalam	M2	180.50	1.637	7	18 May 2023	25 May 2023
2	Dinding Luar	M2	95.40	0.998	6	18 May 2023	24 May 2023
3	Plafond	M2	54.20	0.454	4	18 May 2023	22 May 2023
4	Fasade	M2	15.50	0.162	2	18 May 2023	19 May 2023
<b>K</b>	<b>SANITAIR</b>						
1	Kloset Duduk merk Toto	Unit	1.00	1.395	1	16 May 2023	16 May 2023
2	Pipa PVC 4 inch	M'	31.00	1.190	2	14 March 2023	15 March 2023
3	Pipa PVC 3 inch	M'	16.00	0.447	2	14 March 2023	15 March 2023
4	Pipa PVC 1/2 inch	M'	31.00	0.260	2	31 March 2023	01 April 2023
5	Kran Kmr. Mandi (single) merk Toto	pcs	1.00	0.174	1	19 May 2023	19 May 2023
6	Kran (Depan+Dapur) merk Toto	pcs	2.00	0.049	2	19 May 2023	20 May 2023
7	Shower	pcs	1.00	0.140	1	19 May 2023	19 May 2023
8	Stop Kran Kloset + Jet Washer	pcs	2.00	0.084	1	19 May 2023	19 May 2023
9	Floor Drain	pcs	2.00	0.056	1	19 May 2023	19 May 2023
10	Inlet Talang	pcs	4.00	0.056	1	19 May 2023	19 May 2023
11	Sumur Bor ± 12m, Pompa Air, Rumah Pompa + Instalasi Pipa	LS	1.00	2.442	3	21 March 2023	23 March 2023
12	Septitank Uk. 1x1x1,2M	LS	1.00	0.698	2	21 March 2023	22 March 2023
<b>L</b>	<b>INSTALASI LISTRIK</b>						
1	Stop Kontak merk Panasonic	Titik	6.00	0.628	1	17 April 2023	17 April 2023
2	Titik Cahaya (termasuk Lampu Armatur)	Titik	12.00	2.009	1	09 May 2023	09 May 2023
3	Panel MCB 2 Phase	Unit	1.00	0.070	2	19 April 2023	20 April 2023
4	Grounding	Titik	1.00	0.070	1	17 April 2023	17 April 2023

<i>LAIN - LAIN</i>							
1	Carport (Rabat Beton)	M2	6.00	0.167	3	19 May 2023	22 May 2023
2	Taman	M2	6.82	0.238	2	19 May 2023	20 May 2023
3	Blumbak t = 12cm	M2	2.70	0.094	3	20 May 2023	23 May 2023
4	Decker t = 12cm	M2	4.00	1.005	3	22 May 2023	24 May 2023
5	Pasangan Kitchen Set (Dinding + Meja Granit HT 60x60cm + Kitchen Sink + Kran)	LS	1.00	0.837	3	20 May 2023	23 May 2023
6	Perapihan dan Pembersihan Akhir	LS	1.00	0.209	1	22 May 2023	22 May 2023

Mengetahui



Joko Wuryanto, S.T.

Pimpinan Proyek



No.	Pekerjaan	SATUAN	VOLUME	BOBOT (%)	DURASI HARI	MULAI PEKERJAAN	SELESAI PEKERJAAN
<b>TAHAP 1 PEMBANGUNAN RUMAH TIPE 45 (10 UNIT RUMAH)</b>							
<i>A</i> <b>PERSIAPAN</b>							
1	Direksi Keet	LS	1.00	0.000	2	09 August 2021	10 August 2021
2	Air Kerja	LS	1.00	0.279	1	09 August 2021	09 August 2021
3	Listrik Kerja	LS	1.00	0.349	1	09 August 2021	09 August 2021
4	Keamanan Proyek	LS	1.00	0.419	1	09 August 2021	09 August 2021
<i>B</i> <b>PONDASI</b>							
1	Bowplank	M'	48.30	0.286	3	09 August 2021	11 August 2021
2	Galian Pondasi	M3	8.40	0.278	9	11 August 2021	20 August 2021
3	Pasangan Pondasi Batu Kali	M3	8.40	3.663	12	20 August 2021	02 September 2021
4	Timbungan Galian Kembali	M3	7.20	0.201	4	03 September 2021	07 September 2021
5	Pemadatan Tanah	M2	45.00	0.471	3	07 September 2021	09 September 2021
<i>C</i> <b>STRUKTUR</b>							
1	Pondasi Plat Setempat 6 Titik Ø6 & Ø8	M3	0.48	0.740	12	09 September 2021	22 September 2021
2	Sloof Ø8 & Ø6	M3	1.05	1.619	6	16 September 2021	22 September 2021
3	Kolom Ø10 & Ø6	M3	1.87	2.883	12	21 September 2021	04 October 2021
4	Ring Balok Ø8 & Ø6	M3	2.69	4.148	12	02 October 2021	15 October 2021
5	Dak Talang Ø8	M3	1.31	2.020	6	13 October 2021	19 October 2021
6	Luivel Beton t = 10cm	M3	0.74	1.138	5	19 October 2021	23 October 2021
<i>D</i> <b>DINDING</b>							

1	Pasangan Dinding Bata Ringan t = 10cm	M2	212.00	16.566	15	04 October 2021	20 October 2021
2	Pasangan Plester Dinding + Aci Dinding	M2	295.00	8.233	15	21 October 2021	06 November 2021
3	Trasram 1PC:3PS t = 30cm	M'	59.50	1.868	10	12 October 2021	22 October 2021
E	<i>ATAP</i>						
1	Rangka Atap Bj. Ringan (Kuda-Kuda+Kaso+Reng)	M2	89.00	7.451	6	02 November 2021	15 November 2021
2	Pasangan Genteng Flat Beton	M2	89.00	5.899	3	16 November 2021	18 November 2021
3	Bubungan Genteng / Nok	M'	9.00	0.314	2	15 November 2021	16 November 2021
4	Genteng Siku	M'	7.00	0.293	2	15 November 2021	16 November 2021
F	<i>PLAFON</i>						
1	Rangka Plafon Besi Hollow	M2	62.80	1.753	2	18 November 2021	19 November 2021
2	Papan Gypsum Board	M'	62.80	2.848	2	19 November 2021	20 November 2021
3	Shadow Line	M'	58.70	0.614	2	19 November 2021	20 November 2021
4	Lisplank GRC	M'	10.00	0.209	1	20 November 2021	20 November 2021
G	<i>LANTAI</i>						
1	Lantai Kerja	M2	45.00	0.942	5	06 November 2021	11 November 2021
2	Pasangan Granit HT 60X60cm	M2	34.50	3.851	7	10 November 2021	17 November 2021
3	Pasangan Granit HT Lantai Kmr. Tidur 60X60cm	M2	18.30	2.043	4	10 November 2021	13 November 2021
4	Pasangan Keramik Lantai Kmr. Mandi	M2	2.55	0.160	4	10 November 2021	13 November 2021
5	Pasangan Keramik Dinding Kmr. Mandi	M2	17.80	1.056	4	10 November 2021	13 November 2021
6	Pasangan Keramik Teras	M2	2.40	0.112	3	10 November 2021	12 November 2021
H	<i>PINTU &amp; JENDELA</i>						



1	Pasangan Kusen Alumunium Pintu + Jendela 4 inch	M'	73.50	5.641	3	19 November 2021	22 November 2021
2	Pintu Engineering Solid Finish Duco	Unit	1.00	1.186	2	19 November 2021	20 November 2021
3	Pintu Double Teakwood	Unit	3.00	1.465	2	19 November 2021	20 November 2021
4	Kaca Pintu + Jendela t = 5mm	M2	15.00	1.203	2	19 November 2021	20 November 2021
5	Pintu Kmr. Mandi PVC	Unit	1.00	0.244	1	19 November 2021	19 November 2021
I	<i>AKSESORIS PINTU DAN JENDELA</i>						
1	Smart Door Lock Pintu Depan merk Dekson	Unit	1.00	1.291	1	23 November 2021	23 November 2021
2	Handle Pintu Kamar & Pintu Belakang	Unit	3.00	0.314	1	23 November 2021	23 November 2021
3	Engsel Pintu 3 Unit/Pintu	Unit	12.00	0.209	2	23 November 2021	24 November 2021
4	Engsel Jendela 2 Unit/Jendela	Unit	10.00	0.174	2	23 November 2021	24 November 2021
J	<i>PENGECATAN</i>						
1	Dinding Dalam	M2	180.50	1.637	9	25 November 2021	04 December 2021
2	Dinding Luar	M2	95.40	0.998	8	25 November 2021	03 December 2021
3	Plafond	M2	54.20	0.454	4	25 November 2021	29 November 2021
4	Fasade	M2	15.50	0.162	2	25 November 2021	26 November 2021
K	<i>SANITAIR</i>						
1	Kloset Duduk merk Toto	Unit	1.00	1.395	1	23 November 2021	23 November 2021
2	Pipa PVC 4 inch	M'	31.00	1.190	2	27 September 2021	28 September 2021
3	Pipa PVC 3 inch	M'	16.00	0.447	2	27 September 2021	28 September 2021
4	Pipa PVC 1/2 inch	M'	31.00	0.260	2	18 October 2021	19 October 2021
5	Kran Kmr. Mandi (single) merk Toto	pcs	1.00	0.174	1	26 November 2021	26 November 2021
6	Kran (Depan+Dapur) merk Toto	pcs	2.00	0.049	2	26 November 2021	27 November 2021

7	Shower	pcs	1.00	0.140	1	26 November 2021	26 November 2021
8	Stop Kran Kloset + Jet Washer	pcs	2.00	0.084	1	26 November 2021	26 November 2021
9	Floor Drain	pcs	2.00	0.056	1	26 November 2021	26 November 2021
10	Inlet Talang	pcs	4.00	0.056	1	26 November 2021	26 November 2021
11	Sumur Bor ± 12m, Pompa Air, Rumah Pompa + Instalasi Pipa	LS	1.00	2.442	3	02 October 2021	05 October 2021
12	Septitank Uk. 1x1x1,2M	LS	1.00	0.698	2	02 October 2021	04 October 2021
L	<i>INSTALASI LISTRIK</i>						
1	Stop Kontak merk Panasonic	Titik	6.00	0.628	1	08 November 2021	08 November 2021
2	Titik Cahaya (termasuk Lampu Armatuur)	Titik	12.00	2.009	1	19 November 2021	19 November 2021
3	Panel MCB 2 Phase	Unit	1.00	0.070	2	10 November 2021	11 November 2021
4	Grounding	Titik	1.00	0.070	1	08 November 2021	08 November 2021
	<i>LAIN - LAIN</i>						
1	Carport (Rabat Beton)	M2	6.00	0.167	3	26 November 2021	29 November 2021
2	Taman	M2	6.82	0.238	2	26 November 2021	27 November 2021
3	Blumbak t = 12cm	M2	2.70	0.094	3	27 November 2021	30 November 2021
4	Decker t = 12cm	M2	4.00	1.005	3	29 November 2021	01 November 2021
5	Pasangan Kitchen Set (Dinding + Meja Granit HT 60x60cm + Kitchen Sink + Kran)	LS	1.00	0.837	3	27 November 2021	30 November 2021
6	Perapihan dan Pembersihan Akhir	LS	1.00	0.209	1	29 November 2021	29 November 2021
<b>TAHAP 2 PEMBANGUNAN RUMAH TIPE 45 (10 UNIT RUMAH)</b>							
A	<i>PERSIAPAN</i>						
1	Direksi Keet	LS	1.00	0.000	2	04 December 2021	06 December 2021

2	Air Kerja	LS	1.00	0.279	1	04 December 2021	04 December 2021
3	Listrik Kerja	LS	1.00	0.349	1	04 December 2021	04 December 2021
4	Keamanan Proyek	LS	1.00	0.419	1	04 December 2021	04 December 2021
B	<i>PONDASI</i>						
1	Bowplank	M'	48.30	0.286	3	04 December 2021	07 December 2021
2	Galian Pondasi	M3	8.40	0.278	8	07 December 2021	16 December 2021
3	Pasangan Pondasi Batu Kali	M3	8.40	3.663	10	16 December 2021	29 December 2021
4	Timbungan Galian Kembali	M3	7.20	0.201	4	30 December 2021	05 January 2022
5	Pemadatan Tanah	M2	45.00	0.471	3	05 January 2022	07 January 2022
C	<i>STRUKTUR</i>						
1	Pondasi Plat Setempat 6 Titik Ø6 & Ø8	M3	0.48	0.740	12	07 January 2022	20 January 2022
2	Sloof Ø8 & Ø6	M3	1.05	1.619	6	14 January 2022	20 January 2022
3	Kolom Ø10 & Ø6	M3	1.87	2.883	10	19 January 2022	01 February 2022
4	Ring Balok Ø8 & Ø6	M3	2.69	4.148	10	31 January 2022	12 February 2022
5	Dak Talang Ø8	M3	1.31	2.020	6	10 February 2022	16 February 2022
6	Luivel Beton t = 10cm	M3	0.74	1.138	5	16 February 2022	21 February 2022
D	<i>DINDING</i>						
1	Pasangan Dinding Bata Ringan t = 10cm	M2	212.00	16.566	13	01 February 2022	17 February 2022
2	Pasangan Plester Dinding + Aci Dinding	M2	295.00	8.233	12	18 February 2022	07 March 2022
3	Trasram 1PC:3PS t = 30cm	M'	59.50	1.868	10	09 February 2022	19 February 2022
E	<i>ATAP</i>						
1	Rangka Atap Bj. Ringan (Kuda-Kuda+Kaso+Reng)	M2	89.00	7.451	9	02 March 2022	15 March 2022

2	Pasangan Genteng Flat Beton	M2	89.00	5.899	3	16 March 2022	18 March 2022
3	Bubungan Genteng / Nok	M'	9.00	0.314	2	15 March 2022	16 March 2022
4	Genteng Siku	M'	7.00	0.293	2	15 March 2022	16 March 2022
F	<i>PLAFON</i>						
1	Rangka Plafon Besi Hollow	M2	62.80	1.753	2	18 March 2022	19 March 2022
2	Papan Gypsum Board	M'	62.80	2.848	2	19 March 2022	21 March 2022
3	Shadow Line	M'	58.70	0.614	2	19 March 2022	21 March 2022
4	Lisplank GRC	M'	10.00	0.209	1	21 March 2022	21 March 2022
G	<i>LANTAI</i>						
1	Lantai Kerja	M2	45.00	0.942	5	07 March 2022	11 March 2022
2	Pasangan Granit HT 60X60cm	M2	34.50	3.851	7	10 March 2022	17 March 2022
3	Pasangan Granit HT Lantai Kmr. Tidur 60X60cm	M2	18.30	2.043	4	10 March 2022	14 March 2022
4	Pasangan Keramik Lantai Kmr. Mandi	M2	2.55	0.160	4	10 March 2022	14 March 2022
5	Pasangan Keramik Dinding Kmr. Mandi	M2	17.80	1.056	4	10 March 2022	14 March 2022
6	Pasangan Keramik Teras	M2	2.40	0.112	3	10 March 2022	12 March 2022
H	<i>PINTU &amp; JENDELA</i>						
1	Pasangan Kusen Alumunium Pintu + Jendela 4 inch	M'	73.50	5.641	3	19 March 2022	22 March 2022
2	Pintu Engineering Solid Finish Duco	Unit	1.00	1.186	2	19 March 2022	21 March 2022
3	Pintu Double Teakwood	Unit	3.00	1.465	2	19 March 2022	21 March 2022
4	Kaca Pintu + Jendela t = 5mm	M2	15.00	1.203	2	19 March 2022	21 March 2022
5	Pintu Kmr. Mandi PVC	Unit	1.00	0.244	1	19 March 2022	19 March 2022
I	<i>AKSESORIS PINTU DAN JENDELA</i>						

1	Smart Door Lock Pintu Depan merk Dekson	Unit	1.00	1.291	1	23 March 2022	23 March 2022
2	Handle Pintu Kamar & Pintu Belakang	Unit	3.00	0.314	1	23 March 2022	23 March 2022
3	Engsel Pintu 3 Unit/Pintu	Unit	12.00	0.209	2	23 March 2022	24 March 2022
4	Engsel Jendela 2 Unit/Jendela	Unit	10.00	0.174	2	23 March 2022	24 March 2022
J	<i>PENGECATAN</i>						
1	Dinding Dalam	M2	180.50	1.637	7	25 March 2022	04 April 2022
2	Dinding Luar	M2	95.40	0.998	6	25 March 2022	02 April 2022
3	Plafond	M2	54.20	0.454	4	25 March 2022	29 March 2022
4	Fasade	M2	15.50	0.162	2	25 March 2022	26 March 2022
K	<i>SANITAIR</i>						
1	Kloset Duduk merk Toto	Unit	1.00	1.395	1	23 March 2022	23 March 2022
2	Pipa PVC 4 inch	M'	31.00	1.190	2	25 January 2022	26 January 2022
3	Pipa PVC 3 inch	M'	16.00	0.447	2	25 January 2022	26 January 2022
4	Pipa PVC 1/2 inch	M'	31.00	0.260	2	15 February 2022	16 February 2022
5	Kran Kmr. Mandi (single) merk Toto	pcs	1.00	0.174	1	26 March 2022	26 March 2022
6	Kran (Depan+Dapur) merk Toto	pcs	2.00	0.049	2	26 March 2022	28 March 2022
7	Shower	pcs	1.00	0.140	1	26 March 2022	26 March 2022
8	Stop Kran Kloset + Jet Washer	pcs	2.00	0.084	1	26 March 2022	26 March 2022
9	Floor Drain	pcs	2.00	0.056	1	26 March 2022	26 March 2022
10	Inlet Talang	pcs	4.00	0.056	1	26 March 2022	26 March 2022
11	Sumur Bor ± 12m, Pompa Air, Rumah Pompa + Instalasi Pipa	LS	1.00	2.442	3	31 January 2022	02 February 2022
12	Septitank Uk. 1x1x1,2M	LS	1.00	0.698	2	31 January 2022	01 February 2022
L	<i>INSTALASI LISTRIK</i>						

1	Stop Kontak merk Panasonic	Titik	6.00	0.628	1	08 March 2022	08 March 2022
2	Titik Cahaya (termasuk Lampu Armatur)	Titik	12.00	2.009	1	19 March 2022	19 March 2022
3	Panel MCB 2 Phase	Unit	1.00	0.070	2	10 March 2022	11 March 2022
4	Grounding	Titik	1.00	0.070	1	08 March 2022	08 March 2022
<i>LAIN - LAIN</i>							
1	Carport (Rabat Beton)	M2	6.00	0.167	3	26 March 2022	29 March 2022
2	Taman	M2	6.82	0.238	2	26 March 2022	28 March 2022
3	Blumbak t = 12cm	M2	2.70	0.094	3	28 March 2022	30 March 2022
4	Decker t = 12cm	M2	4.00	1.005	3	29 March 2022	31 March 2022
5	Pasangan Kitchen Set (Dinding + Meja Granit HT 60x60cm + Kitchen Sink + Kran)	LS	1.00	0.837	3	28 March 2022	30 March 2022
6	Perapihan dan Pembersihan Akhir	LS	1.00	0.209	1	29 March 2022	29 March 2022
<b>TAHAP 3 PEMBANGUNAN RUMAH TIPE 45 (10 UNIT RUMAH)</b>							
<i>A</i>							
<i>PERSIAPAN</i>							
1	Direksi Keet	LS	1.00	0.000	2	04 April 2022	05 April 2022
2	Air Kerja	LS	1.00	0.279	1	04 April 2022	04 April 2022
3	Listrik Kerja	LS	1.00	0.349	1	04 April 2022	04 April 2022
4	Keamanan Proyek	LS	1.00	0.419	1	04 April 2022	04 April 2022
<i>B</i>							
<i>PONDASI</i>							
1	Bowplank	M'	48.30	0.286	3	04 April 2022	06 April 2022
2	Galian Pondasi	M3	8.40	0.278	8	06 April 2022	15 April 2022
3	Pasangan Pondasi Batu Kali	M3	8.40	3.663	10	15 April 2022	12 May 2022
4	Timbungan Galian Kembali	M3	7.20	0.201	4	13 May 2022	17 May 2022
5	Pemadatan Tanah	M2	45.00	0.471	3	17 May 2022	19 May 2022

<i>STRUKTUR</i>							
C							
1	Pondasi Plat Setempat 6 Titik Ø6 & Ø8	M3	0.48	0.740	12	19 May 2022	01 June 2022
2	Sloof Ø8 & Ø6	M3	1.05	1.619	6	26 May 2022	01 June 2022
3	Kolom Ø10 & Ø6	M3	1.87	2.883	10	31 May 2022	13 June 2022
4	Ring Balok Ø8 & Ø6	M3	2.69	4.148	10	11 June 2022	24 June 2022
5	Dak Talang Ø8	M3	1.31	2.020	6	22 June 2022	28 June 2022
6	Luivel Beton t = 10cm	M3	0.74	1.138	5	28 June 2022	02 July 2022
D							
<i>DINDING</i>							
1	Pasangan Dinding Bata Ringan t = 10cm	M2	212.00	16.566	13	13 June 2022	29 June 2022
2	Pasangan Plester Dinding + Aci Dinding	M2	295.00	8.233	12	30 June 2022	16 July 2022
3	Trasram 1PC:3PS t = 30cm	M'	59.50	1.868	10	21 June 2022	01 July 2022
E							
<i>ATAP</i>							
1	Rangka Atap Bj. Ringan (Kuda-Kuda+Kaso+Reng)	M2	89.00	7.451	9	12 July 2022	25 July 2022
2	Pasangan Genteng Flat Beton	M2	89.00	5.899	3	26 July 2022	28 July 2022
3	Bubungan Genteng / Nok	M'	9.00	0.314	2	25 July 2022	26 July 2022
4	Genteng Siku	M'	7.00	0.293	2	25 July 2022	26 July 2022
F							
<i>PLAFON</i>							
1	Rangka Plafon Besi Hollow	M2	62.80	1.753	2	28 July 2022	29 July 2022
2	Papan Gypsum Board	M'	62.80	2.848	2	29 July 2022	30 July 2022
3	Shadow Line	M'	58.70	0.614	2	29 July 2022	30 July 2022
4	Lisplank GRC	M'	10.00	0.209	1	30 July 2022	30 July 2022
G							
<i>LANTAI</i>							

1	Lantai Kerja	M2	45.00	0.942	5	16 July 2022	21 July 2022
2	Pasangan Granit HT 60X60cm	M2	34.50	3.851	7	20 July 2022	27 July 2022
3	Pasangan Granit HT Lantai Kmr. Tidur 60X60cm	M2	18.30	2.043	4	20 July 2022	23 July 2022
4	Pasangan Keramik Lantai Kmr. Mandi	M2	2.55	0.160	4	20 July 2022	23 July 2022
5	Pasangan Keramik Dinding Kmr. Mandi	M2	17.80	1.056	4	20 July 2022	23 July 2022
6	Pasangan Keramik Teras	M2	2.40	0.112	3	20 July 2022	22 July 2022
H	<i>PINTU &amp; JENDELA</i>						
1	Pasangan Kusen Alumunium Pintu + Jendela 4 inch	M'	73.50	5.641	3	29 July 2022	01 August 2022
2	Pintu Engineering Solid Finish Duco	Unit	1.00	1.186	2	29 July 2022	30 July 2022
3	Pintu Double Teakwood	Unit	3.00	1.465	2	29 July 2022	30 July 2022
4	Kaca Pintu + Jendela t = 5mm	M2	15.00	1.203	2	29 July 2022	30 July 2022
5	Pintu Kmr. Mandi PVC	Unit	1.00	0.244	1	29 July 2022	29 July 2022
I	<i>AKSESORIS PINTU DAN JENDELA</i>						
1	Smart Door Lock Pintu Depan merk Dekson	Unit	1.00	1.291	1	02 August 2022	02 August 2022
2	Handle Pintu Kamar & Pintu Belakang	Unit	3.00	0.314	1	02 August 2022	02 August 2022
3	Engsel Pintu 3 Unit/Pintu	Unit	12.00	0.209	2	02 August 2022	03 August 2022
4	Engsel Jendela 2 Unit/Jendela	Unit	10.00	0.174	2	02 August 2022	03 August 2022
J	<i>PENGECATAN</i>						
1	Dinding Dalam	M2	180.50	1.637	7	04 August 2022	13 August 2022
2	Dinding Luar	M2	95.40	0.998	6	04 August 2022	12 August 2022



3	Plafond	M2	54.20	0.454	4	04 August 2022	08 August 2022
4	Fasade	M2	15.50	0.162	2	04 August 2022	05 August 2022
<i>SANITAIR</i>							
1	Kloset Duduk merk Toto	Unit	1.00	1.395	1	02 August 2022	02 August 2022
2	Pipa PVC 4 inch	M'	31.00	1.190	2	06 June 2022	07 June 2022
3	Pipa PVC 3 inch	M'	16.00	0.447	2	06 June 2022	07 June 2022
4	Pipa PVC 1/2 inch	M'	31.00	0.260	2	27 June 2022	28 June 2022
5	Kran Kmr. Mandi (single) merk Toto	pcs	1.00	0.174	1	05 August 2022	05 August 2022
6	Kran (Depan+Dapur) merk Toto	pcs	2.00	0.049	2	05 August 2022	06 August 2022
7	Shower	pcs	1.00	0.140	1	05 August 2022	05 August 2022
8	Stop Kran Kloset + Jet Washer	pcs	2.00	0.084	1	05 August 2022	05 August 2022
9	Floor Drain	pcs	2.00	0.056	1	05 August 2022	05 August 2022
10	Inlet Talang	pcs	4.00	0.056	1	05 August 2022	05 August 2022
11	Sumur Bor ± 12m, Pompa Air, Rumah Pompa + Instalasi Pipa	LS	1.00	2.442	3	11 June 2022	14 June 2022
12	Septitank Uk. 1x1x1,2M	LS	1.00	0.698	2	11 June 2022	13 June 2022
<i>INSTALASI LISTRIK</i>							
1	Stop Kontak merk Panasonic	Titik	6.00	0.628	1	18 July 2022	18 July 2022
2	Titik Cahaya (termasuk Lampu Armatuur)	Titik	12.00	2.009	1	29 July 2022	29 July 2022
3	Panel MCB 2 Phase	Unit	1.00	0.070	2	20 July 2022	21 July 2022
4	Grounding	Titik	1.00	0.070	1	18 July 2022	18 July 2022
<i>LAIN - LAIN</i>							
1	Carport (Rabat Beton)	M2	6.00	0.167	3	05 August 2022	08 August 2022
2	Taman	M2	6.82	0.238	2	05 August 2022	06 August 2022

3	Blumbak t = 12cm	M2	2.70	0.094	3	06 August 2022	09 August 2022
4	Decker t = 12cm	M2	4.00	1.005	3	08 August 2022	10 August 2022
5	Pasangan Kitchen Set (Dinding + Meja Granit HT 60x60cm + Kitchen Sink + Kran)	LS	1.00	0.837	3	06 August 2022	09 August 2022
6	Perapihan dan Pembersihan Akhir	LS	1.00	0.209	1	08 August 2022	08 August 2022
<b>TAHAP 4 PEMBANGUNAN RUMAH TIPE 45 (10 UNIT RUMAH)</b>							
<b>A</b>							
<i>PERSIAPAN</i>							
1	Direksi Keet	LS	1.00	0.000	2	13 August 2022	15 August 2022
2	Air Kerja	LS	1.00	0.279	1	13 August 2022	13 August 2022
3	Listrik Kerja	LS	1.00	0.349	1	13 August 2022	13 August 2022
4	Keamanan Proyek	LS	1.00	0.419	1	13 August 2022	13 August 2022
<b>B</b>							
<i>PONDASI</i>							
1	Bowplank	M'	48.30	0.286	3	13 August 2022	16 August 2022
2	Galian Pondasi	M3	8.40	0.278	8	16 August 2022	25 August 2022
3	Pasangan Pondasi Batu Kali	M3	8.40	3.663	10	25 August 2022	07 September 2022
4	Timbungan Galian Kembali	M3	7.20	0.201	4	08 September 2022	12 September 2022
5	Pemadatan Tanah	M2	45.00	0.471	3	12 September 2022	14 September 2022
<b>C</b>							
<i>STRUKTUR</i>							
1	Pondasi Plat Setempat 6 Titik Ø6 & Ø8	M3	0.48	0.740	12	14 September 2022	27 September 2022
2	Sloof Ø8 & Ø6	M3	1.05	1.619	6	21 September 2022	27 September 2022
3	Kolom Ø10 & Ø6	M3	1.87	2.883	10	26 September 2022	08 October 2022
4	Ring Balok Ø8 & Ø6	M3	2.69	4.148	10	07 October 2022	20 October 2022
5	Dak Talang Ø8	M3	1.31	2.020	6	18 October 2022	24 October 2022
6	Luivel Beton t = 10cm	M3	0.74	1.138	5	24 October 2022	28 October 2022

D				<i>DINDING</i>			
1	Pasangan Dinding Bata Ringan t = 10cm	M2	212.00	16.566	13	08 October 2022	25 October 2022
2	Pasangan Plester Dinding + Aci Dinding	M2	295.00	8.233	12	26 October 2022	11 November 2022
3	Trasram 1PC:3PS t = 30cm	M'	59.50	1.868	10	17 October 2022	27 October 2022
E				<i>ATAP</i>			
1	Rangka Atap Bj. Ringan (Kuda-Kuda+Kaso+Reng)	M2	89.00	7.451	9	07 November 2022	19 November 2022
2	Pasangan Genteng Flat Beton	M2	89.00	5.899	3	21 November 2022	23 November 2022
3	Bubungan Genteng / Nok	M'	9.00	0.314	2	19 November 2022	21 November 2022
4	Genteng Siku	M'	7.00	0.293	2	19 November 2022	21 November 2022
F				<i>PLAFON</i>			
1	Rangka Plafon Besi Hollow	M2	62.80	1.753	2	23 November 2022	24 November 2022
2	Papan Gypsum Board	M'	62.80	2.848	2	24 November 2022	25 November 2022
3	Shadow Line	M'	58.70	0.614	2	24 November 2022	25 November 2022
4	Lisplank GRC	M'	10.00	0.209	1	25 November 2022	25 November 2022
G				<i>LANTAI</i>			
1	Lantai Kerja	M2	45.00	0.942	5	11 November 2022	16 November 2022
2	Pasangan Granit HT 60X60cm	M2	34.50	3.851	7	15 November 2022	22 November 2022
3	Pasangan Granit HT Lantai Kmr. Tidur 60X60cm	M2	18.30	2.043	4	15 November 2022	18 November 2022
4	Pasangan Keramik Lantai Kmr. Mandi	M2	2.55	0.160	4	15 November 2022	18 November 2022
5	Pasangan Keramik Dinding Kmr. Mandi	M2	17.80	1.056	4	15 November 2022	18 November 2022

6	Pasangan Keramik Teras	M2	2.40	0.112	3	15 November 2022	17 November 2022
<i>PINTU &amp; JENDELA</i>							
1	Pasangan Kusen Alumunium Pintu + Jendela 4 inch	M'	73.50	5.641	3	24 November 2022	26 November 2022
2	Pintu Engineering Solid Finish Duco	Unit	1.00	1.186	2	24 November 2022	25 November 2022
3	Pintu Double Teakwood	Unit	3.00	1.465	2	24 November 2022	25 November 2022
4	Kaca Pintu + Jendela t = 5mm	M2	15.00	1.203	2	24 November 2022	25 November 2022
5	Pintu Kmr. Mandi PVC	Unit	1.00	0.244	1	24 November 2022	24 November 2022
<i>AKSESORIS PINTU DAN JENDELA</i>							
1	Smart Door Lock Pintu Depan merk Dekson	Unit	1.00	1.291	1	28 November 2022	28 November 2022
2	Handle Pintu Kamar & Pintu Belakang	Unit	3.00	0.314	1	28 November 2022	28 November 2022
3	Engsel Pintu 3 Unit/Pintu	Unit	12.00	0.209	2	28 November 2022	29 November 2022
4	Engsel Jendela 2 Unit/Jendela	Unit	10.00	0.174	2	28 November 2022	29 November 2022
<i>PENGECATAN</i>							
1	Dinding Dalam	M2	180.50	1.637	7	30 November 2022	09 December 2022
2	Dinding Luar	M2	95.40	0.998	6	30 November 2022	08 December 2022
3	Plafond	M2	54.20	0.454	4	30 November 2022	03 December 2022
4	Fasade	M2	15.50	0.162	2	30 November 2022	01 December 2022
<i>SANITAIR</i>							
1	Kloset Duduk merk Toto	Unit	1.00	1.395	1	28 November 2022	28 November 2022
2	Pipa PVC 4 inch	M'	31.00	1.190	2	01 October 2022	03 October 2022
3	Pipa PVC 3 inch	M'	16.00	0.447	2	01 October 2022	03 October 2022
4	Pipa PVC 1/2 inch	M'	31.00	0.260	2	22 October 2022	24 October 2022

5	Kran Kmr. Mandi (single) merk Toto	pcs	1.00	0.174	1	01 December 2022	01 December 2022
6	Kran (Depan+Dapur) merk Toto	pcs	2.00	0.049	2	01 December 2022	02 December 2022
7	Shower	pcs	1.00	0.140	1	01 December 2022	01 December 2022
8	Stop Kran Kloset + Jet Washer	pcs	2.00	0.084	1	01 December 2022	01 December 2022
9	Floor Drain	pcs	2.00	0.056	1	01 December 2022	01 December 2022
10	Inlet Talang	pcs	4.00	0.056	1	01 December 2022	01 December 2022
11	Sumur Bor ± 12m, Pompa Air, Rumah Pompa + Instalasi Pipa	LS	1.00	2.442	3	07 October 2022	10 October 2022
12	Septitank Uk. 1x1x1,2M	LS	1.00	0.698	2	07 October 2022	08 October 2022
L	<i>INSTALASI LISTRIK</i>						
1	Stop Kontak merk Panasonic	Titik	6.00	0.628	1	12 November 2022	12 November 2022
2	Titik Cahaya (termasuk Lampu Armatuur)	Titik	12.00	2.009	1	24 November 2022	24 November 2022
3	Panel MCB 2 Phase	Unit	1.00	0.070	2	15 November 2022	16 November 2022
4	Grounding	Titik	1.00	0.070	1	12 November 2022	12 November 2022
	<i>LAIN - LAIN</i>						
1	Carport (Rabat Beton)	M2	6.00	0.167	3	01 December 2022	03 December 2022
2	Taman	M2	6.82	0.238	2	01 December 2022	02 December 2022
3	Blumbak t = 12cm	M2	2.70	0.094	3	02 December 2022	05 December 2022
4	Decker t = 12cm	M2	4.00	1.005	3	03 December 2022	06 December 2022
5	Pasangan Kitchen Set (Dinding + Meja Granit HT 60x60cm + Kitchen Sink + Kran)	LS	1.00	0.837	3	02 December 2022	05 December 2022
6	Perapihan dan Pembersihan Akhir	LS	1.00	0.209	1	03 December 2022	03 December 2022
TAHAP 5 PEMBANGUNAN RUMAH TIPE 45 (10 UNIT RUMAH)							

<i>PERSIAPAN</i>							
A							
1	Direksi Keet	LS	1.00	0.000	2	09 December 2022	10 December 2022
2	Air Kerja	LS	1.00	0.279	1	09 December 2022	09 December 2022
3	Listrik Kerja	LS	1.00	0.349	1	09 December 2022	09 December 2022
4	Keamanan Proyek	LS	1.00	0.419	1	09 December 2022	09 December 2022
<i>PONDASI</i>							
B							
1	Bowplank	M'	48.30	0.286	3	09 December 2022	12 December 2022
2	Galian Pondasi	M3	8.40	0.278	8	12 December 2022	21 December 2022
3	Pasangan Pondasi Batu Kali	M3	8.40	3.663	10	21 December 2022	04 January 2023
4	Timbungan Galian Kembali	M3	7.20	0.201	4	05 January 2023	09 January 2023
5	Pemadatan Tanah	M2	45.00	0.471	3	09 January 2023	11 January 2023
<i>STRUKTUR</i>							
C							
1	Pondasi Plat Setempat 6 Titik Ø6 & Ø8	M3	0.48	0.740	12	11 January 2023	24 January 2023
2	Sloof Ø8 & Ø6	M3	1.05	1.619	6	18 January 2023	24 January 2023
3	Kolom Ø10 & Ø6	M3	1.87	2.883	10	23 January 2023	04 February 2023
4	Ring Balok Ø8 & Ø6	M3	2.69	4.148	10	03 February 2023	16 February 2023
5	Dak Talang Ø8	M3	1.31	2.020	6	14 February 2023	20 February 2023
6	Luivel Beton t = 10cm	M3	0.74	1.138	5	20 February 2023	24 February 2023
<i>DINDING</i>							
D							
1	Pasangan Dinding Bata Ringan t = 10cm	M2	212.00	16.566	13	04 February 2023	21 February 2023
2	Pasangan Plester Dinding + Aci Dinding	M2	295.00	8.233	12	22 February 2023	10 March 2023
3	Trasram 1PC:3PS t = 30cm	M'	59.50	1.868	10	13 February 2023	23 February 2023
<i>ATAP</i>							
E							

1	Rangka Atap Bj. Ringan (Kuda-Kuda+Kaso+Reng)	M2	89.00	7.451	9	06 March 2023	18 March 2023
2	Pasangan Genteng Flat Beton	M2	89.00	5.899	3	20 March 2023	22 March 2023
3	Bubungan Genteng / Nok	M'	9.00	0.314	2	18 March 2023	20 March 2023
4	Genteng Siku	M'	7.00	0.293	2	18 March 2023	20 March 2023
F	<i>PLAFON</i>						
1	Rangka Plafon Besi Hollow	M2	62.80	1.753	2	22 March 2023	23 March 2023
2	Papan Gypsum Board	M'	62.80	2.848	2	23 March 2023	24 March 2023
3	Shadow Line	M'	58.70	0.614	2	23 March 2023	24 March 2023
4	Lisplank GRC	M'	10.00	0.209	1	24 March 2023	24 March 2023
G	<i>LANTAI</i>						
1	Lantai Kerja	M2	45.00	0.942	5	10 March 2023	15 March 2023
2	Pasangan Granit HT 60X60cm	M2	34.50	3.851	7	14 March 2023	21 March 2023
3	Pasangan Granit HT Lantai Kmr. Tidur 60X60cm	M2	18.30	2.043	4	14 March 2023	17 March 2023
4	Pasangan Keramik Lantai Kmr. Mandi	M2	2.55	0.160	4	14 March 2023	17 March 2023
5	Pasangan Keramik Dinding Kmr. Mandi	M2	17.80	1.056	4	14 March 2023	17 March 2023
6	Pasangan Keramik Teras	M2	2.40	0.112	3	14 March 2023	16 March 2023
H	<i>PINTU &amp; JENDELA</i>						
1	Pasangan Kusen Alumunium Pintu + Jendela 4 inch	M'	73.50	5.641	3	23 March 2023	25 March 2023
2	Pintu Engineering Solid Finish Duco	Unit	1.00	1.186	2	23 March 2023	24 March 2023
3	Pintu Double Teakwood	Unit	3.00	1.465	2	23 March 2023	24 March 2023
4	Kaca Pintu + Jendela t = 5mm	M2	15.00	1.203	2	23 March 2023	24 March 2023

5	Pintu Kmr. Mandi PVC	Unit	1.00	0.244	1	23 March 2023	23 March 2023
I	<i>AKSESORIS PINTU DAN JENDELA</i>						
1	Smart Door Lock Pintu Depan merk Dekson	Unit	1.00	1.291	1	27 March 2023	27 March 2023
2	Handle Pintu Kamar & Pintu Belakang	Unit	3.00	0.314	1	27 March 2023	27 March 2023
3	Engsel Pintu 3 Unit/Pintu	Unit	12.00	0.209	2	27 March 2023	28 March 2023
4	Engsel Jendela 2 Unit/Jendela	Unit	10.00	0.174	2	27 March 2023	28 March 2023
J	<i>PENGECATAN</i>						
1	Dinding Dalam	M2	180.50	1.637	7	29 March 2023	07 April 2023
2	Dinding Luar	M2	95.40	0.998	6	29 March 2023	06 April 2023
3	Plafond	M2	54.20	0.454	4	29 March 2023	01 April 2023
4	Fasade	M2	15.50	0.162	2	29 March 2023	30 March 2023
K	<i>SANITAIR</i>						
1	Kloset Duduk merk Toto	Unit	1.00	1.395	1	27 March 2023	27 March 2023
2	Pipa PVC 4 inch	M'	31.00	1.190	2	28 January 2023	30 January 2023
3	Pipa PVC 3 inch	M'	16.00	0.447	2	28 January 2023	30 January 2023
4	Pipa PVC 1/2 inch	M'	31.00	0.260	2	18 February 2023	20 February 2023
5	Kran Kmr. Mandi (single) merk Toto	pcs	1.00	0.174	1	30 March 2023	30 March 2023
6	Kran (Depan+Dapur) merk Toto	pcs	2.00	0.049	2	30 March 2023	31 March 2023
7	Shower	pcs	1.00	0.140	1	30 March 2023	30 March 2023
8	Stop Kran Kloset + Jet Washer	pcs	2.00	0.084	1	30 March 2023	30 March 2023
9	Floor Drain	pcs	2.00	0.056	1	30 March 2023	30 March 2023
10	Inlet Talang	pcs	4.00	0.056	1	30 March 2023	30 March 2023
11	Sumur Bor ± 12m, Pompa Air, Rumah Pompa + Instalasi Pipa	LS	1.00	2.442	3	03 February 2023	06 February 2023



12	Septitank Uk. 1x1x1,2M	LS	1.00	0.698	2	03 February 2023	04 February 2023
L	<i>INSTALASI LISTRIK</i>						
1	Stop Kontak merk Panasonic	Titik	6.00	0.628	1	11 March 2023	11 March 2023
2	Titik Cahaya (termasuk Lampu Armatu)	Titik	12.00	2.009	1	23 March 2023	23 March 2023
3	Panel MCB 2 Phase	Unit	1.00	0.070	2	14 March 2023	15 March 2023
4	Grounding	Titik	1.00	0.070	1	11 March 2023	11 March 2023
	<i>LAIN - LAIN</i>						
1	Carport (Rabat Beton)	M2	6.00	0.167	3	30 March 2023	01 April 2023
2	Taman	M2	6.82	0.238	2	30 March 2023	31 March 2023
3	Blumbak t = 12cm	M2	2.70	0.094	3	31 March 2023	03 April 2023
4	Decker t = 12cm	M2	4.00	1.005	3	01 April 2023	04 April 2023
5	Pasangan Kitchen Set (Dinding + Meja Granit HT 60x60cm + Kitchen Sink + Kran)	LS	1.00	0.837	3	31 March 2023	03 April 2023
6	Perapihan dan Pembersihan Akhir	LS	1.00	0.209	1	01 April 2023	01 April 2023
	<b>TAHAP 6 PEMBANGUNAN RUMAH TIPE 45 (6 UNIT RUMAH)</b>						
A	<i>PERSIAPAN</i>						
1	Direksi Keet	LS	1.00	0.000	2	07 April 2023	08 April 2023
2	Air Kerja	LS	1.00	0.279	1	07 April 2023	07 April 2023
3	Listrik Kerja	LS	1.00	0.349	1	07 April 2023	07 April 2023
4	Keamanan Proyek	LS	1.00	0.419	1	07 April 2023	07 April 2023
B	<i>PONDASI</i>						
1	Bowplank	M'	48.30	0.286	3	07 April 2023	10 April 2023
2	Galian Pondasi	M3	8.40	0.278	8	10 April 2023	19 April 2023
3	Pasangan Pondasi Batu Kali	M3	8.40	3.663	10	19 April 2023	16 May 2023

4	Timbungan Galian Kembali	M3	7.20	0.201	4	17 May 2023	20 May 2023
5	Pemadatan Tanah	M2	45.00	0.471	3	20 May 2023	23 May 2023
<i>C STRUKTUR</i>							
1	Pondasi Plat Setempat 6 Titik Ø6 & Ø8	M3	0.48	0.740	12	23 May 2023	05 June 2023
2	Sloof Ø8 & Ø6	M3	1.05	1.619	6	30 May 2023	05 June 2023
3	Kolom Ø10 & Ø6	M3	1.87	2.883	10	03 June 2023	16 June 2023
4	Ring Balok Ø8 & Ø6	M3	2.69	4.148	10	15 June 2023	28 June 2023
5	Dak Talang Ø8	M3	1.31	2.020	6	26 June 2023	01 July 2023
6	Luivel Beton t = 10cm	M3	0.74	1.138	5	01 July 2023	06 July 2023
<i>D DINDING</i>							
1	Pasangan Dinding Bata Ringan t = 10cm	M2	212.00	16.566	13	16 June 2023	03 July 2023
2	Pasangan Plester Dinding + Aci Dinding	M2	295.00	8.233	12	04 July 2023	20 July 2023
3	Trasram 1PC:3PS t = 30cm	M'	59.50	1.868	10	24 June 2023	05 July 2023
<i>E ATAP</i>							
1	Rangka Atap Bj. Ringan (Kuda-Kuda+Kaso+Reng)	M2	89.00	7.451	9	15 July 2023	28 July 2023
2	Pasangan Genteng Flat Beton	M2	89.00	5.899	3	29 July 2023	01 August 2023
3	Bubungan Genteng / Nok	M'	9.00	0.314	2	28 July 2023	29 July 2023
4	Genteng Siku	M'	7.00	0.293	2	28 July 2023	29 July 2023
<i>F PLAFON</i>							
1	Rangka Plafon Besi Hollow	M2	62.80	1.753	2	01 August 2023	02 August 2023
2	Papan Gypsum Board	M'	62.80	2.848	2	02 August 2023	03 August 2023
3	Shadow Line	M'	58.70	0.614	2	02 August 2023	03 August 2023

4	Lisplank GRC	M'	10.00	0.209	1	03 August 2023	03 August 2023
G	<i>LANTAI</i>						
1	Lantai Kerja	M2	45.00	0.942	5	20 July 2023	25 July 2023
2	Pasangan Granit HT 60X60cm	M2	34.50	3.851	7	24 July 2023	31 July 2023
3	Pasangan Granit HT Lantai Kmr. Tidur 60X60cm	M2	18.30	2.043	4	24 July 2023	27 July 2023
4	Pasangan Keramik Lantai Kmr. Mandi	M2	2.55	0.160	4	24 July 2023	27 July 2023
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6	Pasangan Keramik Teras	M2	2.40	0.112	3	24 July 2023	26 July 2023
H	<i>PINTU &amp; JENDELA</i>						
1	Pasangan Kusen Alumunium Pintu + Jendela 4 inch	M'	73.50	5.641	3	02 August 2023	04 August 2023
2	Pintu Engineering Solid Finish Duco	Unit	1.00	1.186	2	02 August 2023	03 August 2023
3	Pintu Double Teakwood	Unit	3.00	1.465	2	02 August 2023	03 August 2023
4	Kaca Pintu + Jendela t = 5mm	M2	15.00	1.203	2	02 August 2023	03 August 2023
5	Pintu Kmr. Mandi PVC	Unit	1.00	0.244	1	02 August 2023	02 August 2023
I	<i>AKSESORIS PINTU DAN JENDELA</i>						
1	Smart Door Lock Pintu Depan merk Dekson	Unit	1.00	1.291	1	05 August 2023	05 August 2023
2	Handle Pintu Kamar & Pintu Belakang	Unit	3.00	0.314	1	05 August 2023	05 August 2023
3	Engsel Pintu 3 Unit/Pintu	Unit	12.00	0.209	2	05 August 2023	07 August 2023
4	Engsel Jendela 2 Unit/Jendela	Unit	10.00	0.174	2	05 August 2023	07 August 2023
J	<i>PENGECATAN</i>						

1	Dinding Dalam	M2	180.50	1.637	7	08 August 2023	17 August 2023
2	Dinding Luar	M2	95.40	0.998	6	08 August 2023	16 August 2023
3	Plafond	M2	54.20	0.454	4	08 August 2023	11 August 2023
4	Fasade	M2	15.50	0.162	2	08 August 2023	09 August 2023
K	<i>SANITAIR</i>						
1	Kloset Duduk merk Toto	Unit	1.00	1.395	1	05 August 2023	05 August 2023
2	Pipa PVC 4 inch	M'	31.00	1.190	2	09 June 2023	10 June 2023
3	Pipa PVC 3 inch	M'	16.00	0.447	2	09 June 2023	10 June 2023
4	Pipa PVC 1/2 inch	M'	31.00	0.260	2	30 June 2023	01 July 2023
5	Kran Kmr. Mandi (single) merk Toto	pcs	1.00	0.174	1	09 August 2023	09 August 2023
6	Kran (Depan+Dapur) merk Toto	pcs	2.00	0.049	2	09 August 2023	10 August 2023
7	Shower	pcs	1.00	0.140	1	09 August 2023	09 August 2023
8	Stop Kran Kloset + Jet Washer	pcs	2.00	0.084	1	09 August 2023	09 August 2023
9	Floor Drain	pcs	2.00	0.056	1	09 August 2023	09 August 2023
10	Inlet Talang	pcs	4.00	0.056	1	09 August 2023	09 August 2023
11	Sumur Bor ± 12m, Pompa Air, Rumah Pompa + Instalasi Pipa	LS	1.00	2.442	3	15 June 2023	17 June 2023
12	Septitank Uk. 1x1x1,2M	LS	1.00	0.698	2	15 June 2023	16 June 2023
L	<i>INSTALASI LISTRIK</i>						
1	Stop Kontak merk Panasonic	Titik	6.00	0.628	1	21 July 2023	21 July 2023
2	Titik Cahaya (termasuk Lampu Armatur)	Titik	12.00	2.009	1	02 August 2023	02 August 2023
3	Panel MCB 2 Phase	Unit	1.00	0.070	2	24 July 2023	25 July 2023
4	Grounding	Titik	1.00	0.070	1	21 July 2023	21 July 2023
	<i>LAIN - LAIN</i>						

1	Carport (Rabat Beton)	M2	6.00	0.167	3	09 August 2023	11 August 2023
2	Taman	M2	6.82	0.238	2	09 August 2023	10 August 2023
3	Blumbak t = 12cm	M2	2.70	0.094	3	10 August 2023	12 August 2023
4	Decker t = 12cm	M2	4.00	1.005	3	11 August 2023	14 August 2023
5	Pasangan Kitchen Set (Dinding + Meja Granit HT 60x60cm + Kitchen Sink + Kran)	LS	1.00	0.837	3	10 August 2023	12 August 2023
6	Perapihan dan Pembersihan Akhir	LS	1.00	0.209	1	11 August 2023	11 August 2023

Mengetahui

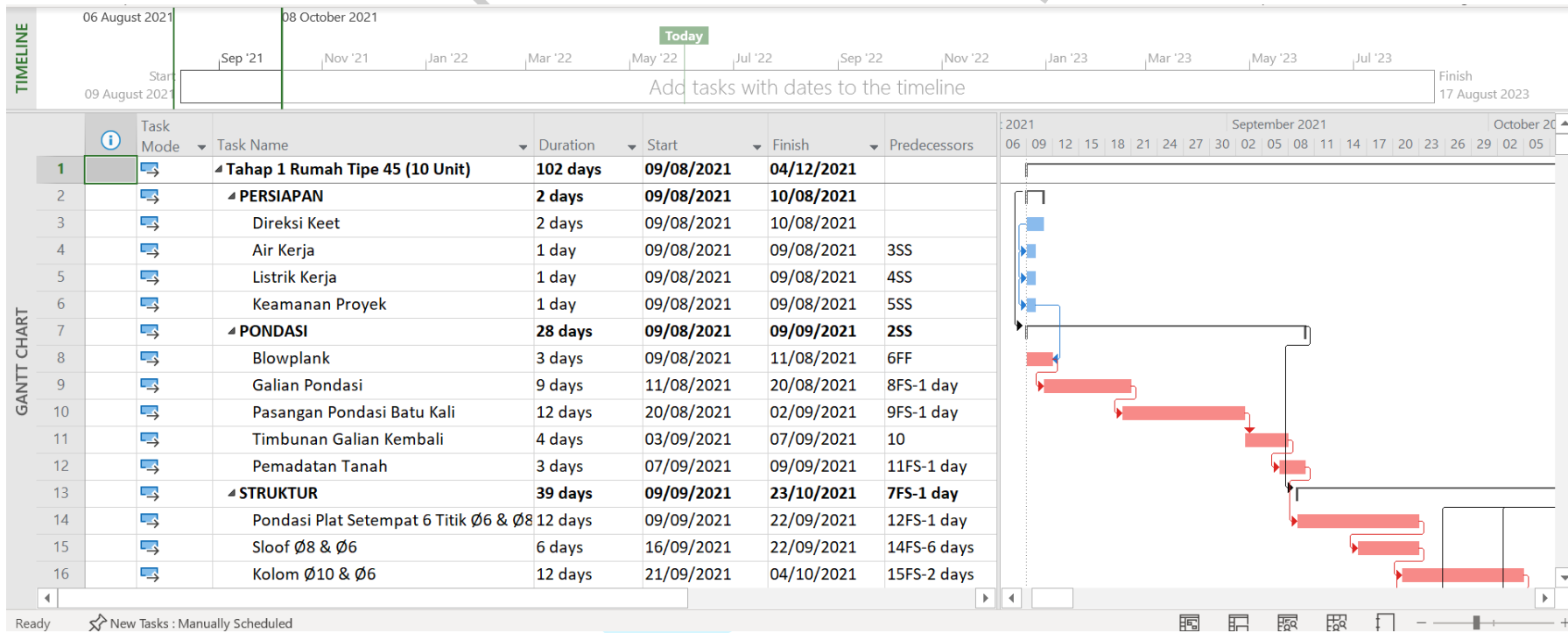


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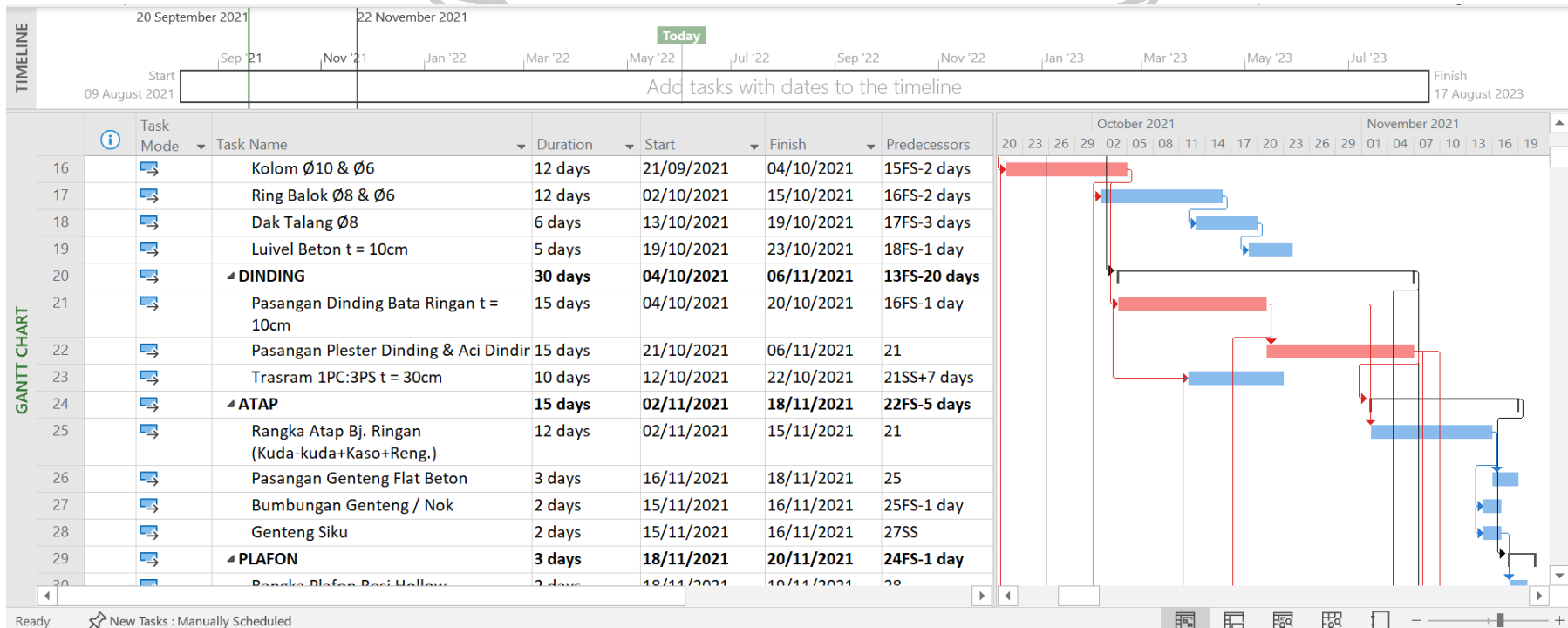
Pimpinan Proyek



Lampiran 9 Penentuan Jalur Kritis Menggunakan Microsoft Project

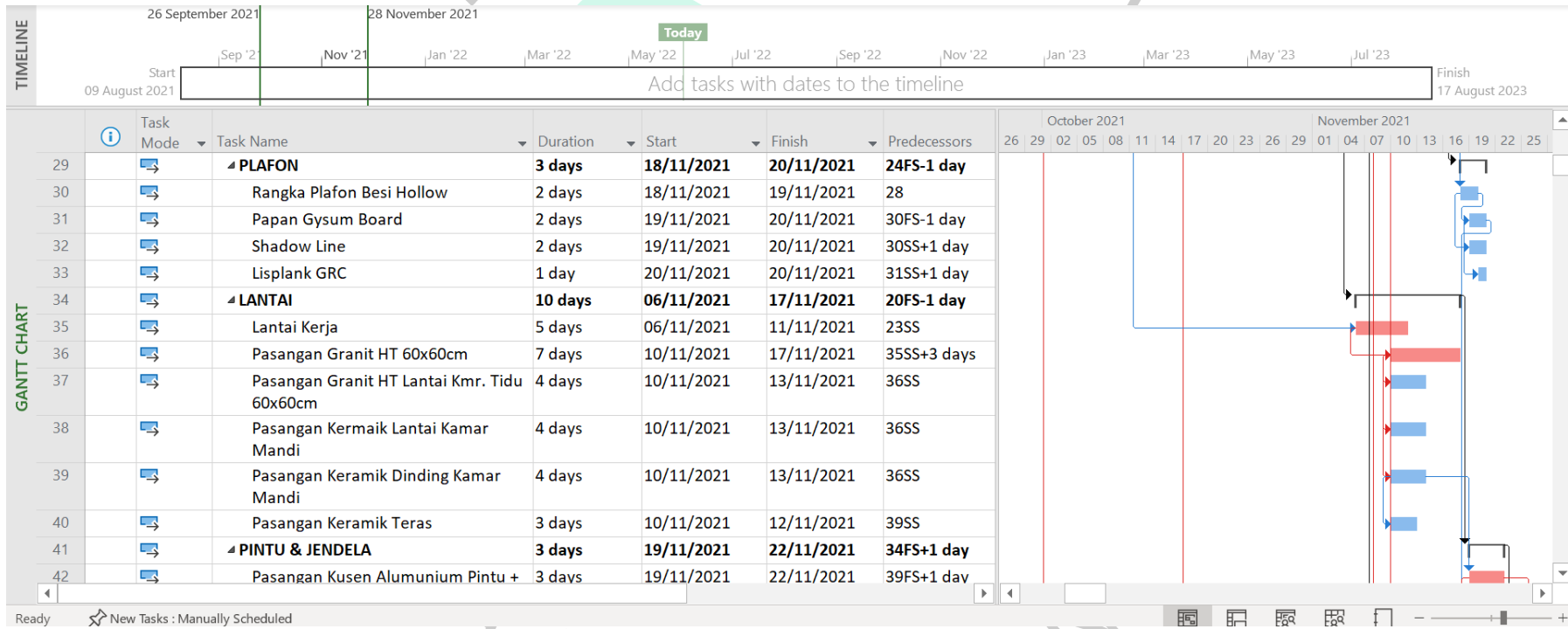


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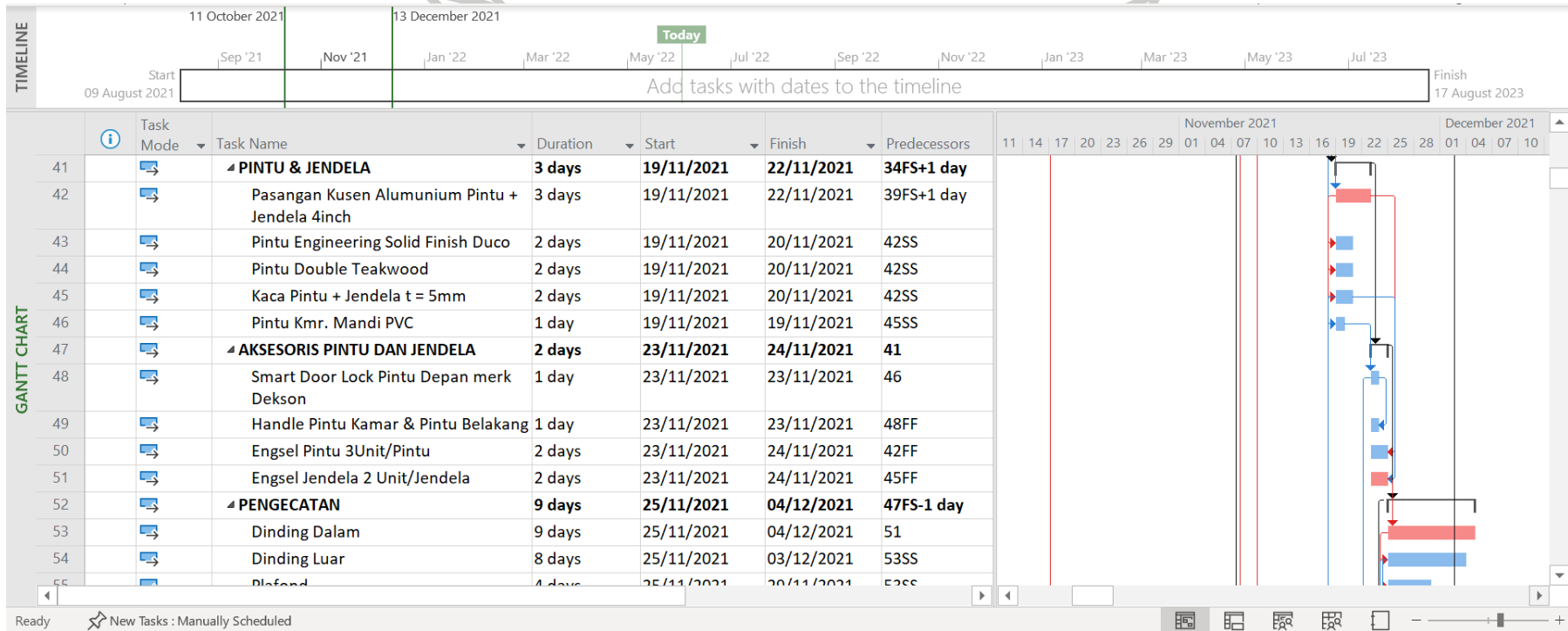


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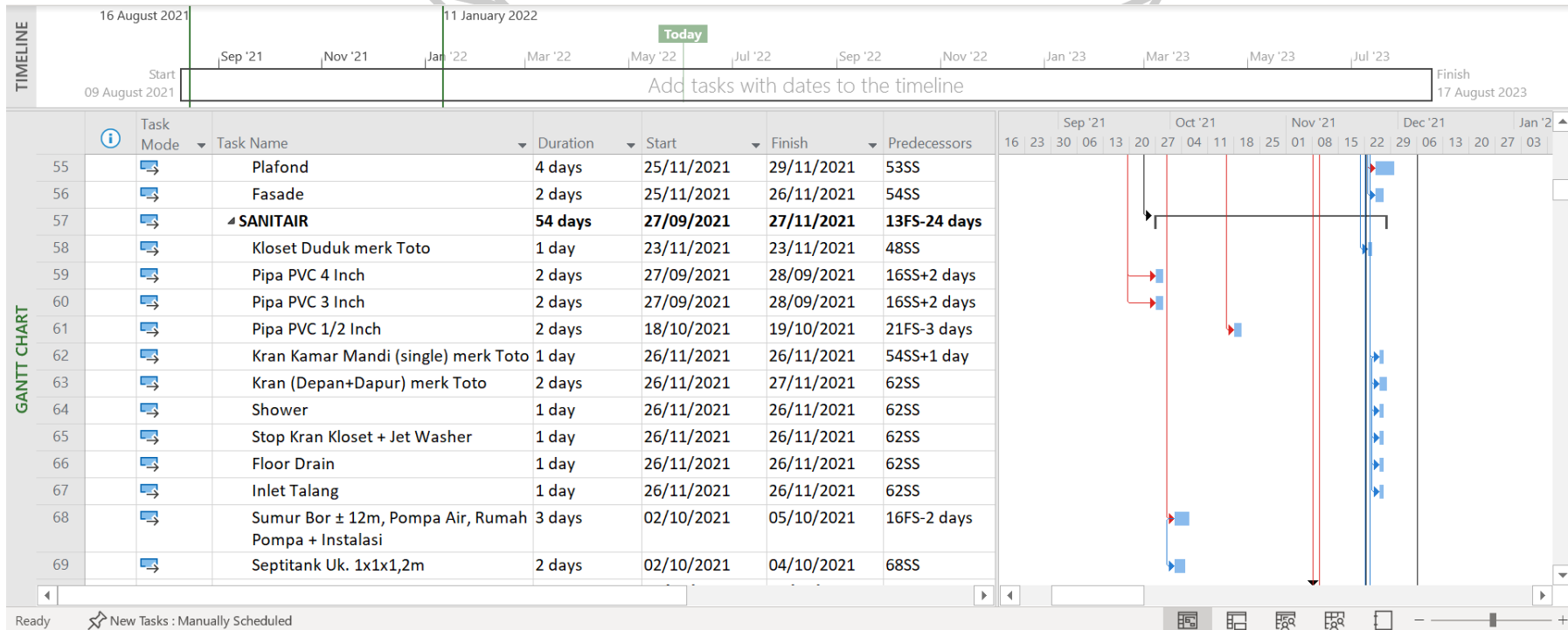


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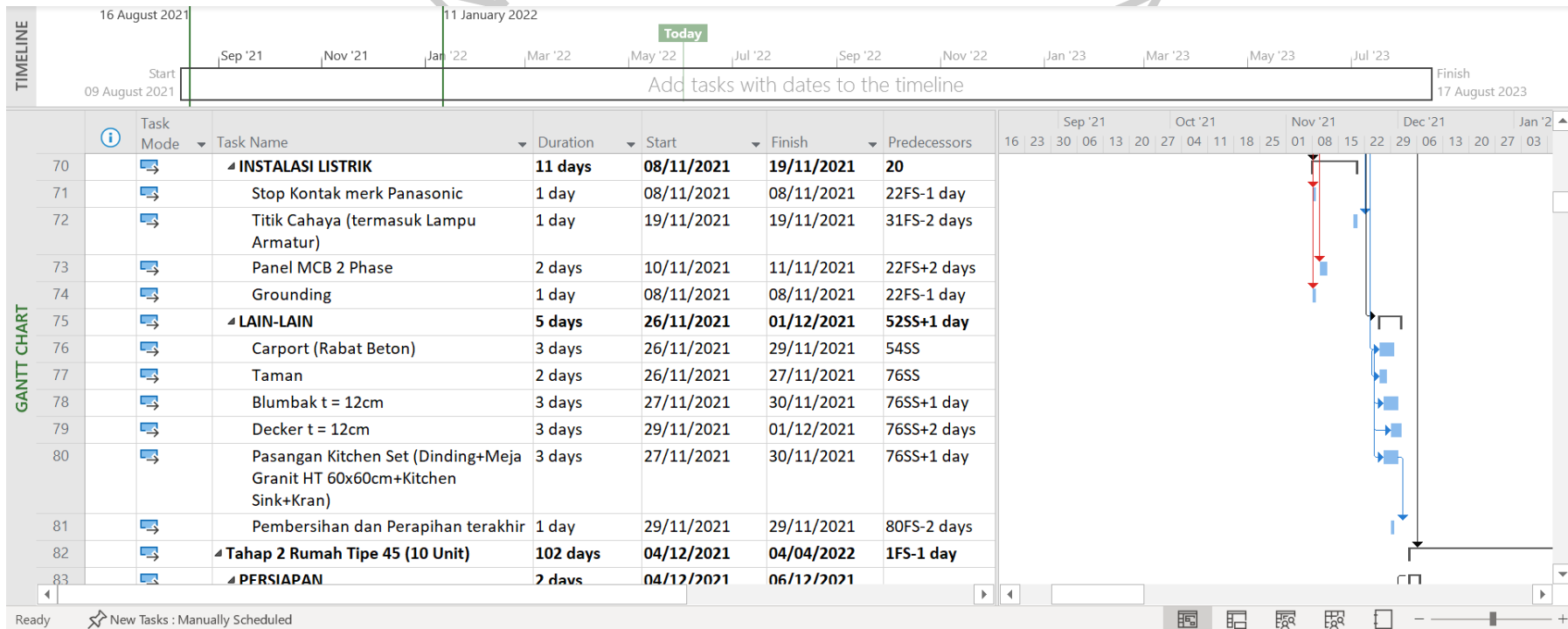


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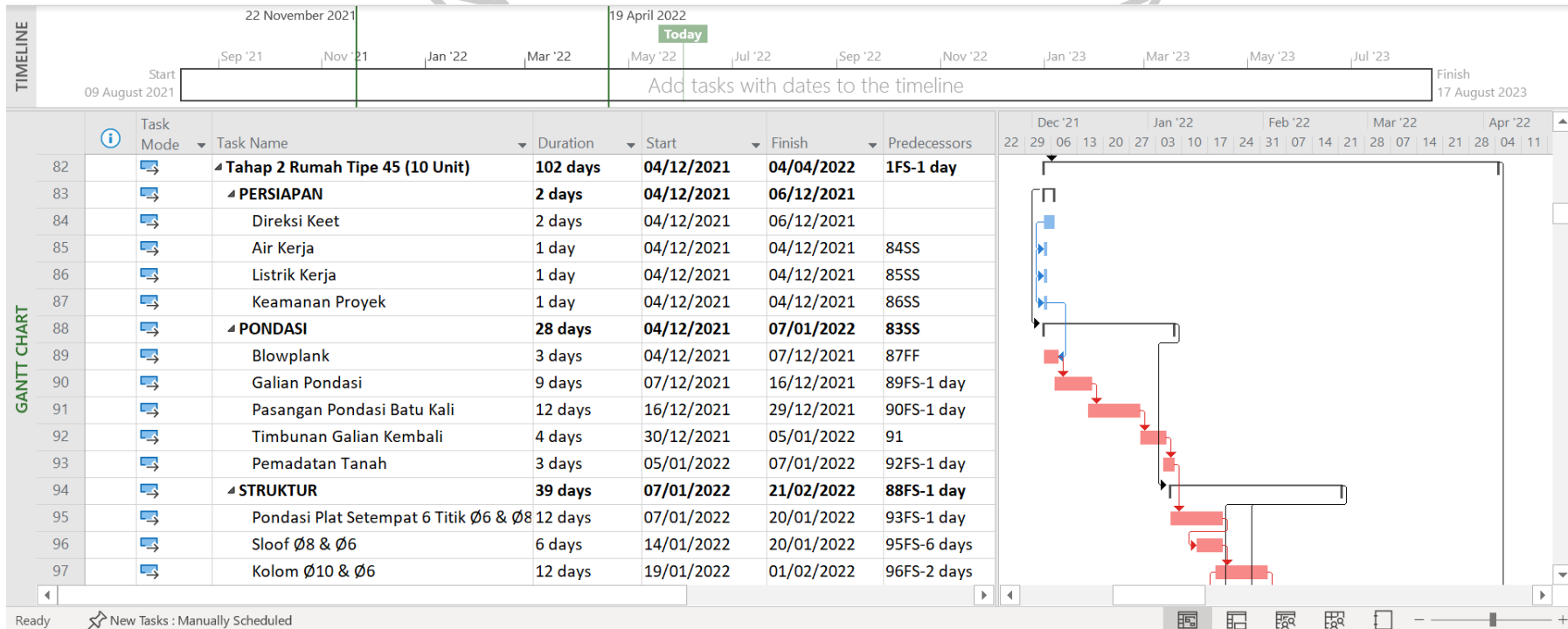
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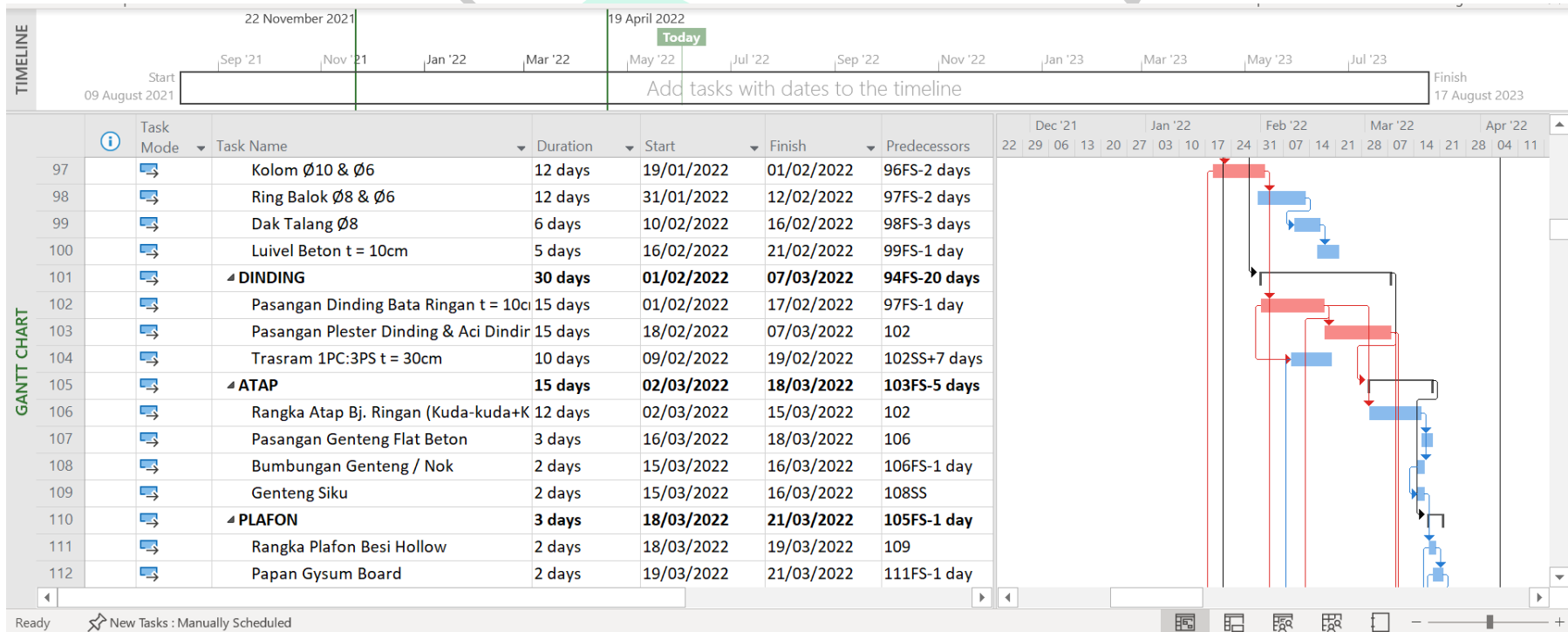
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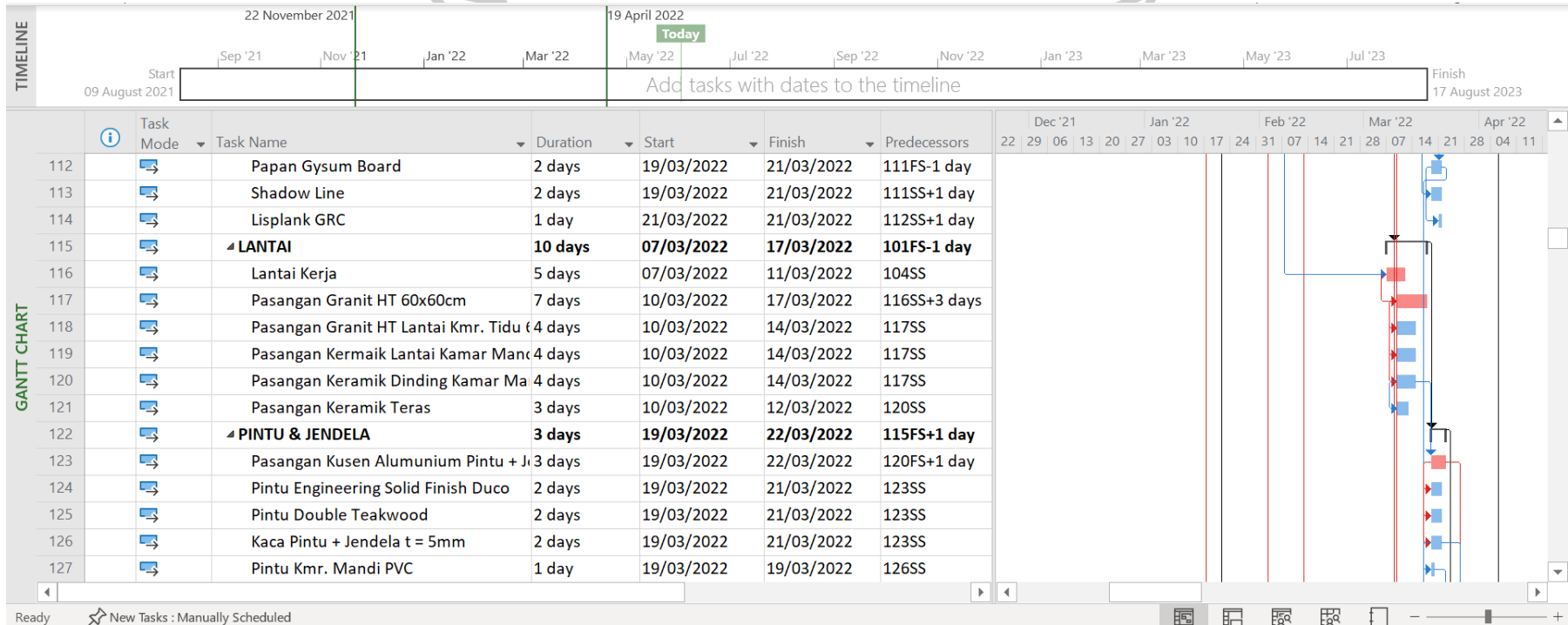
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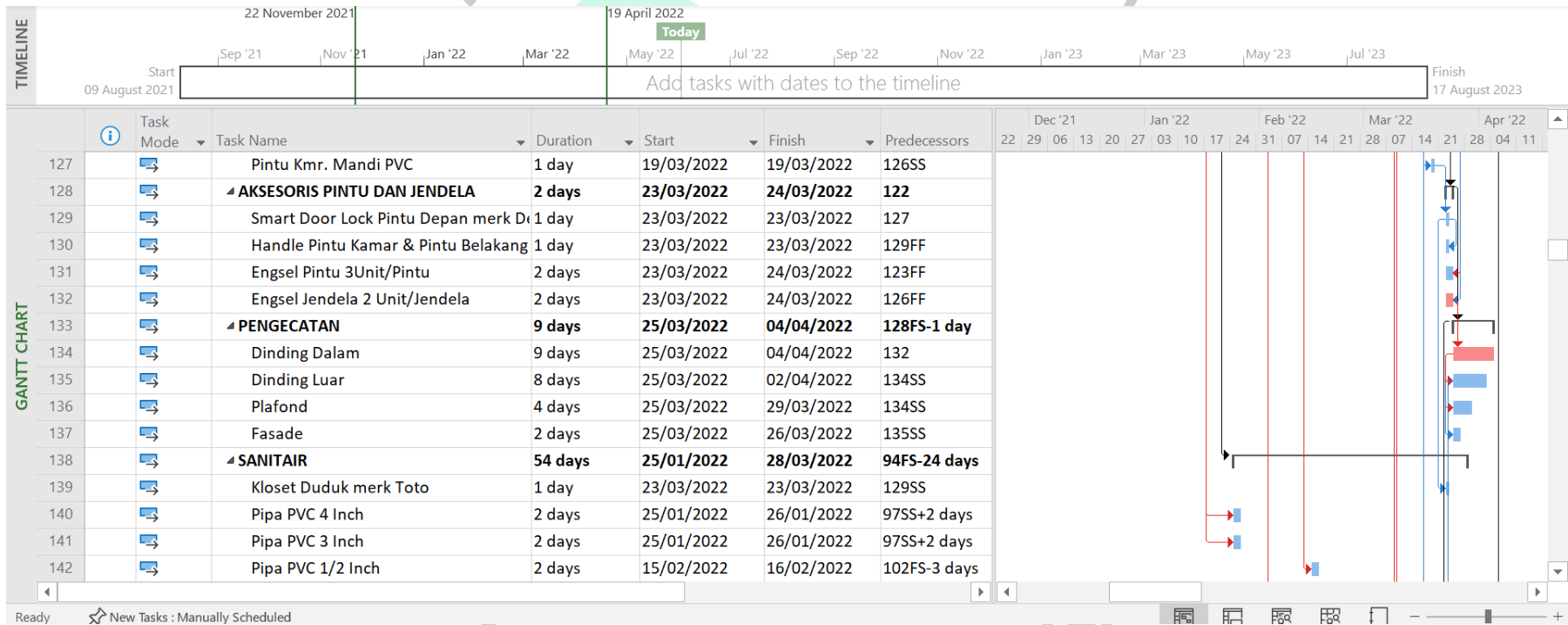
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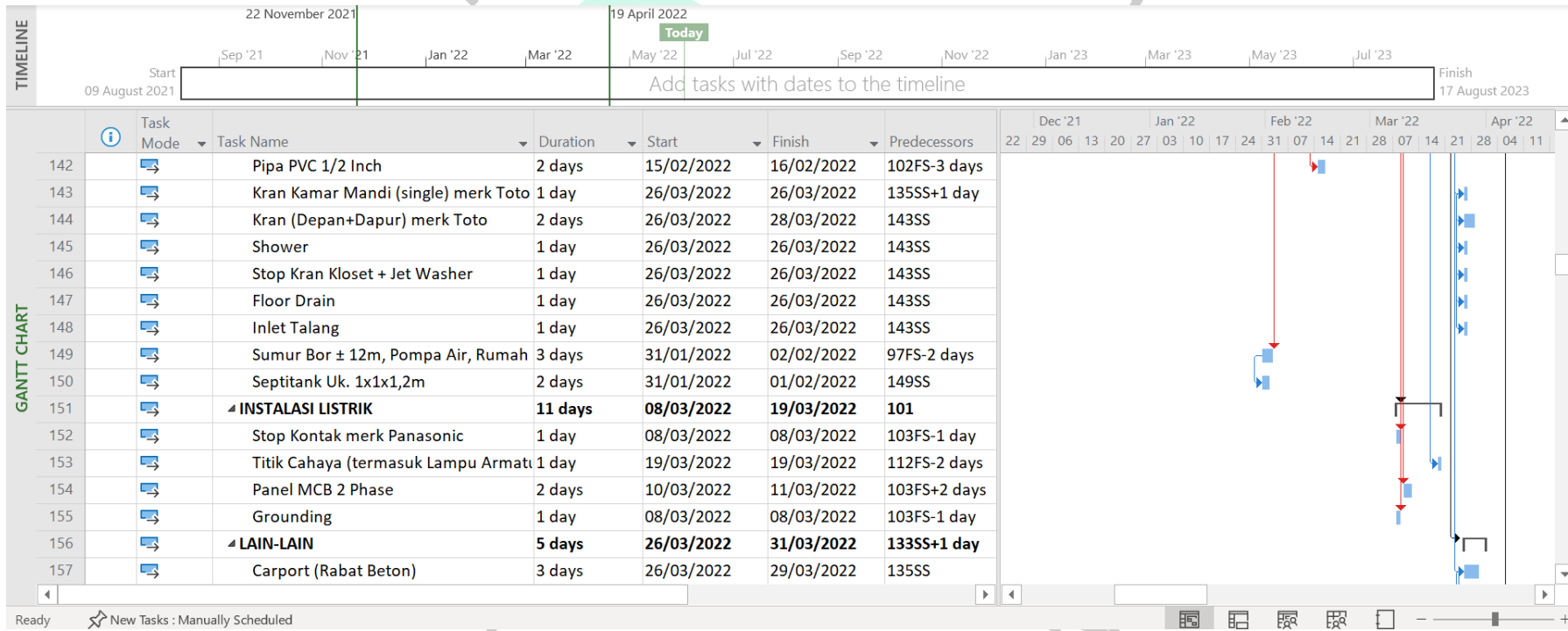
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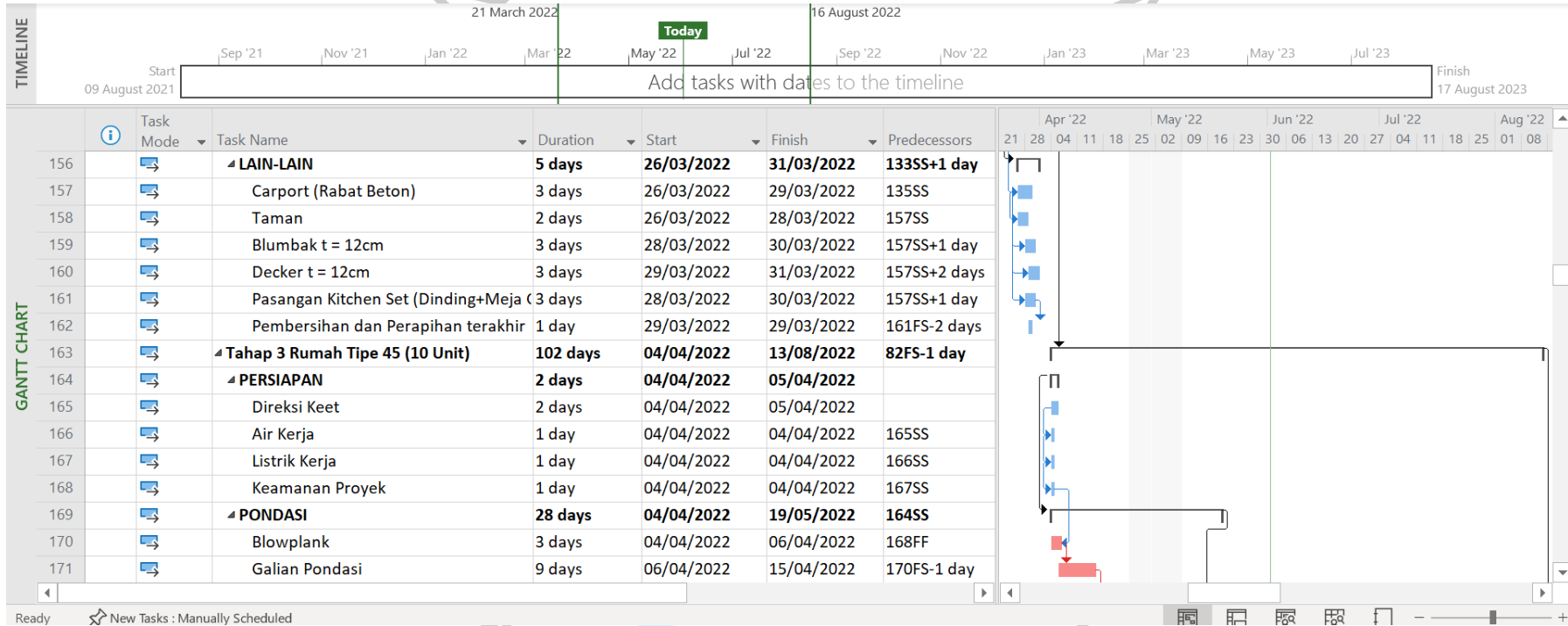
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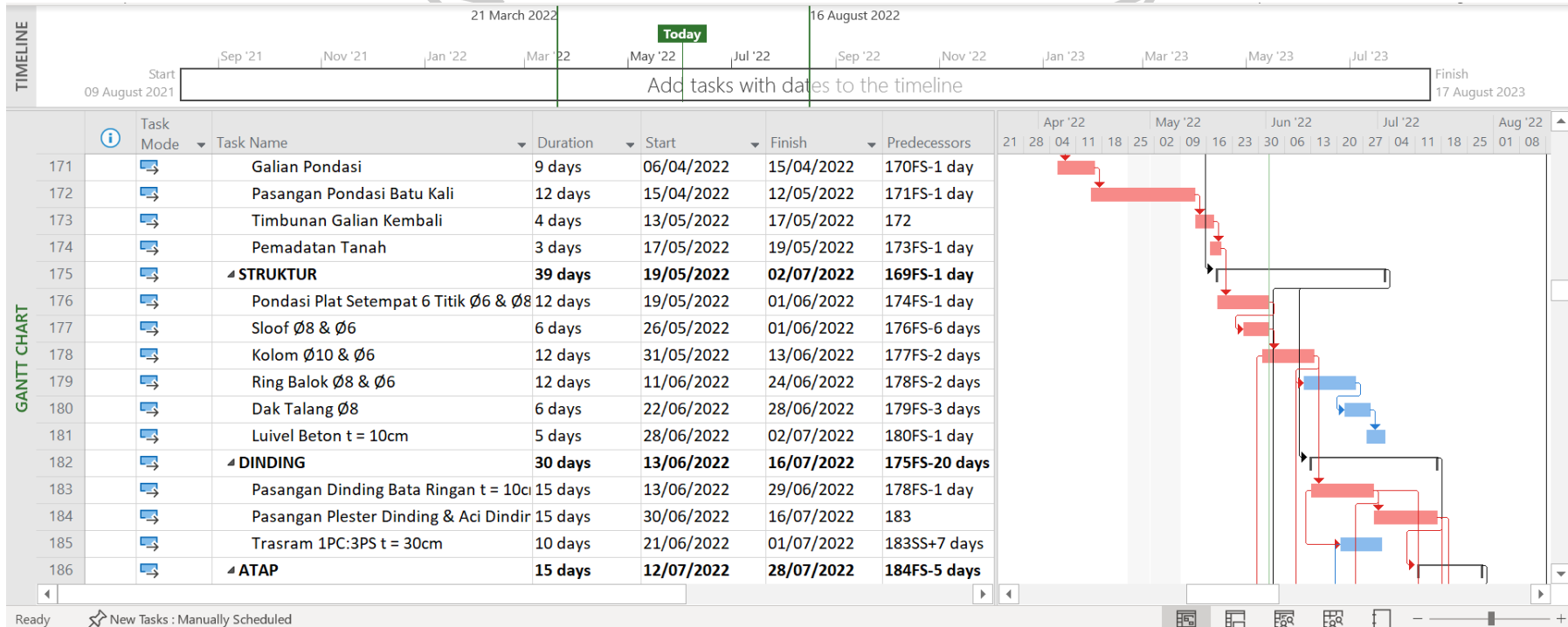


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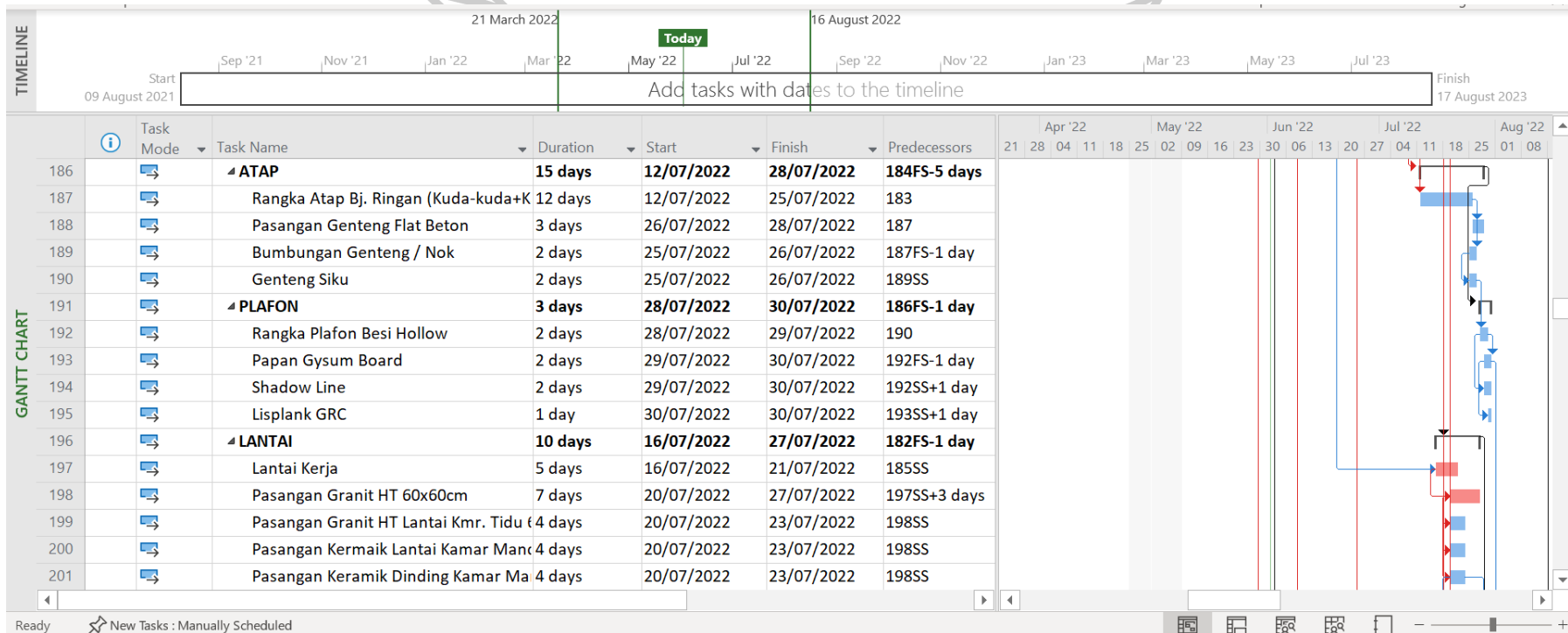
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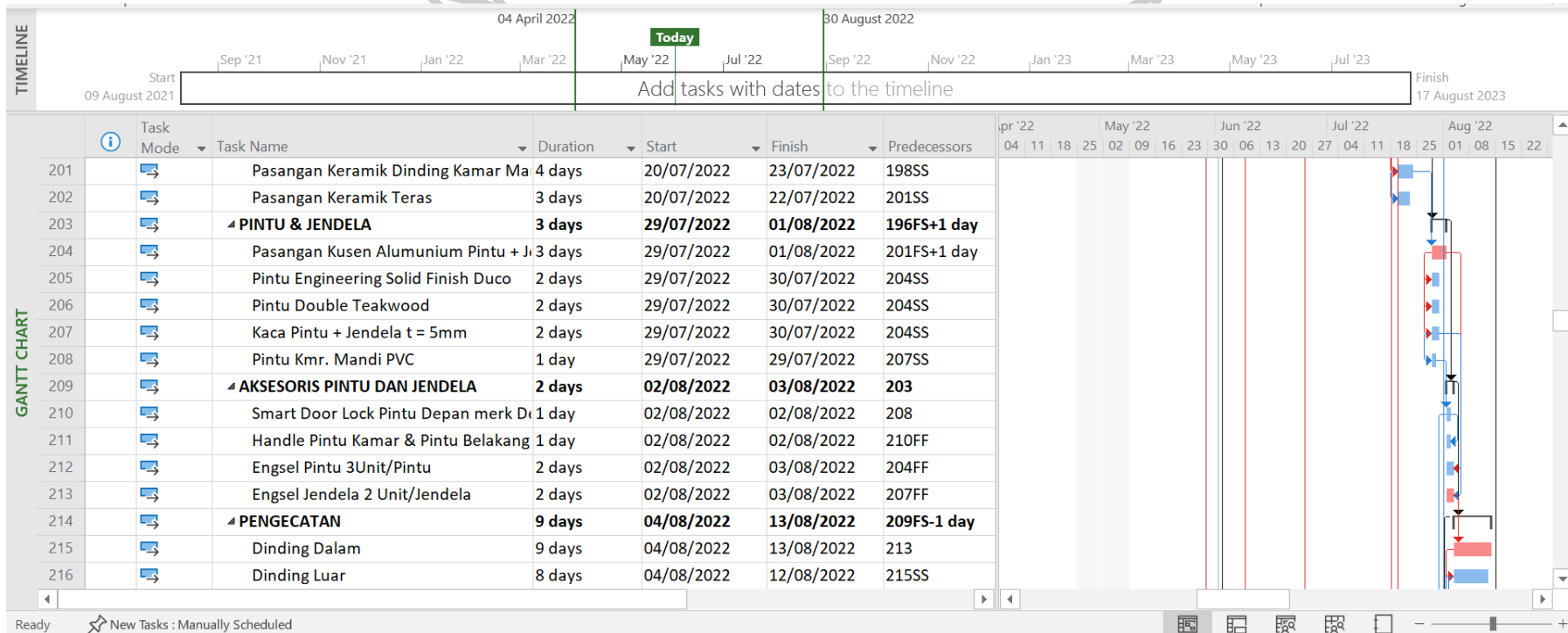
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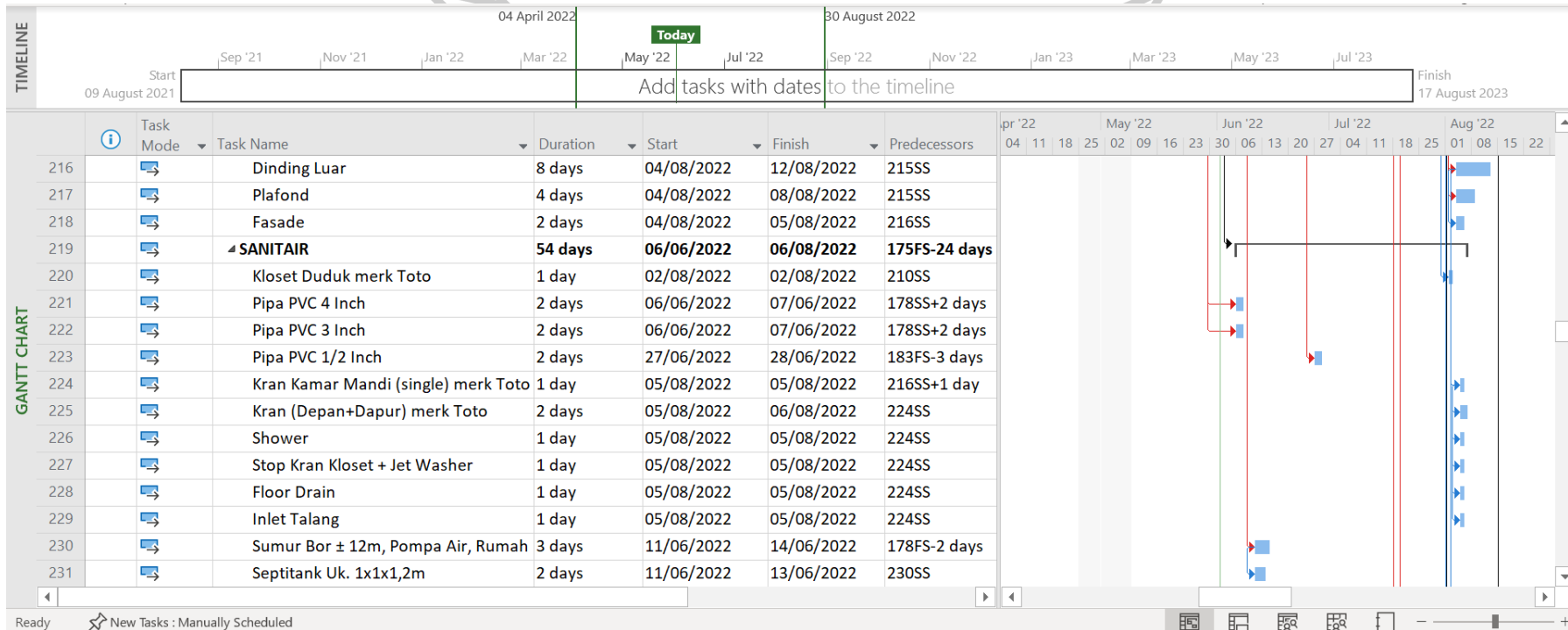
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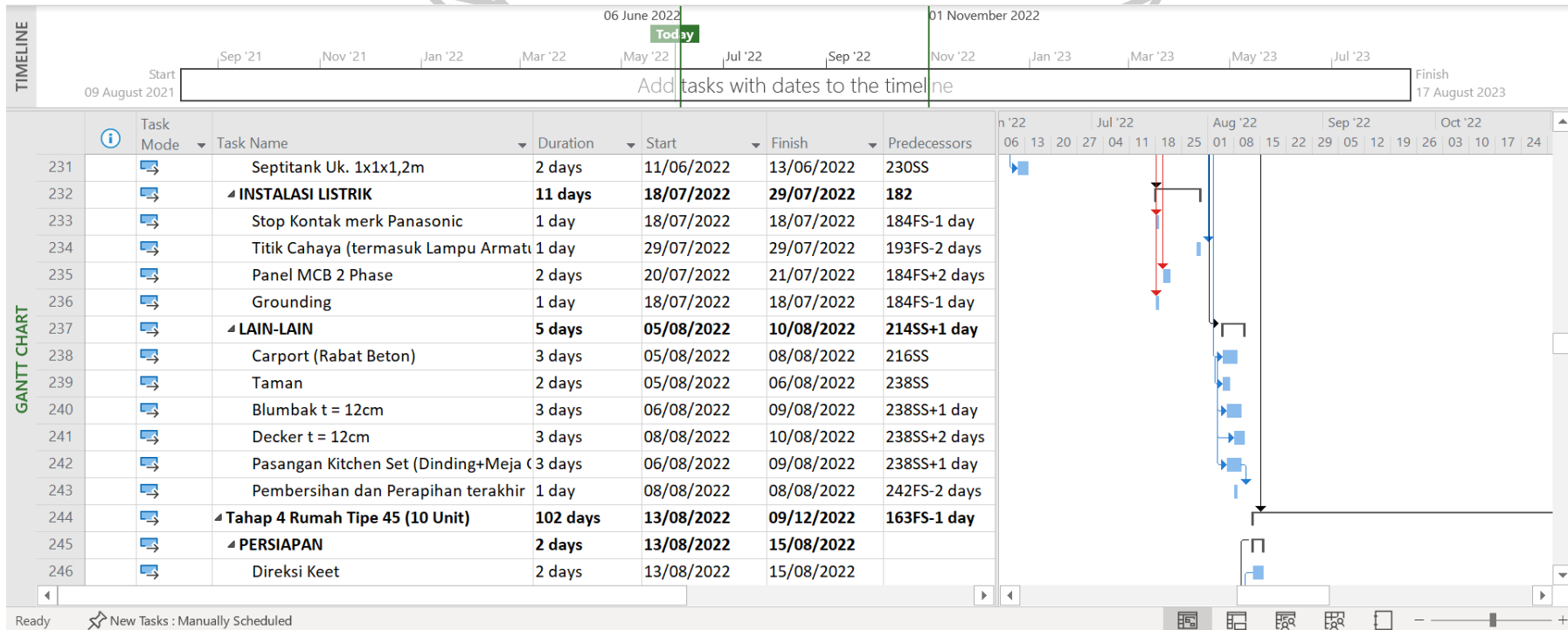
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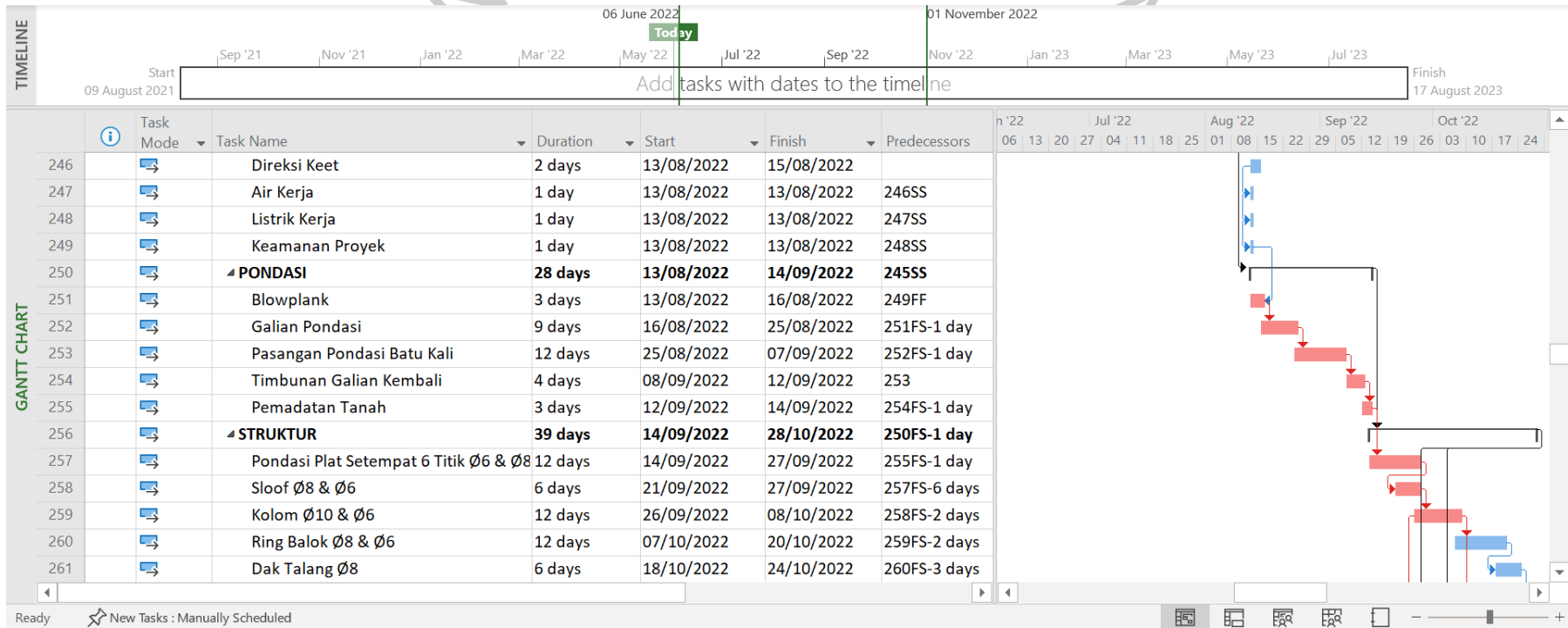
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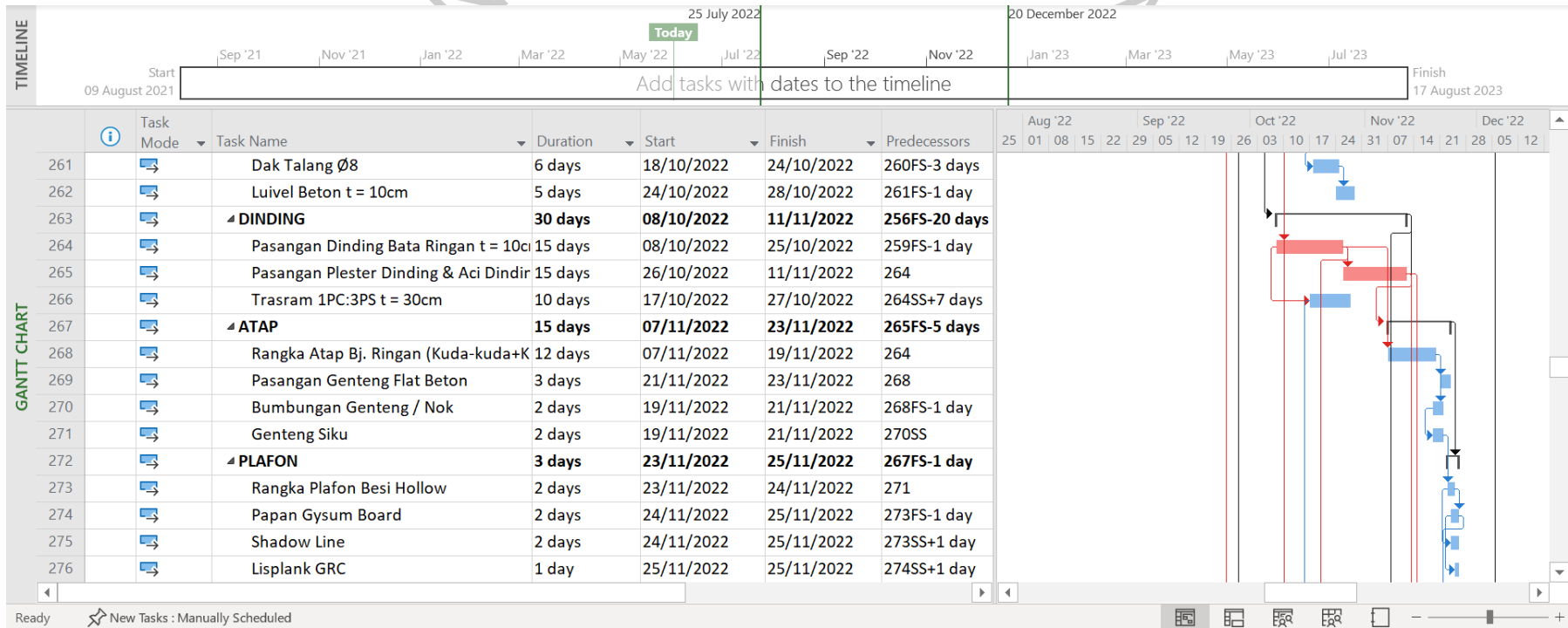
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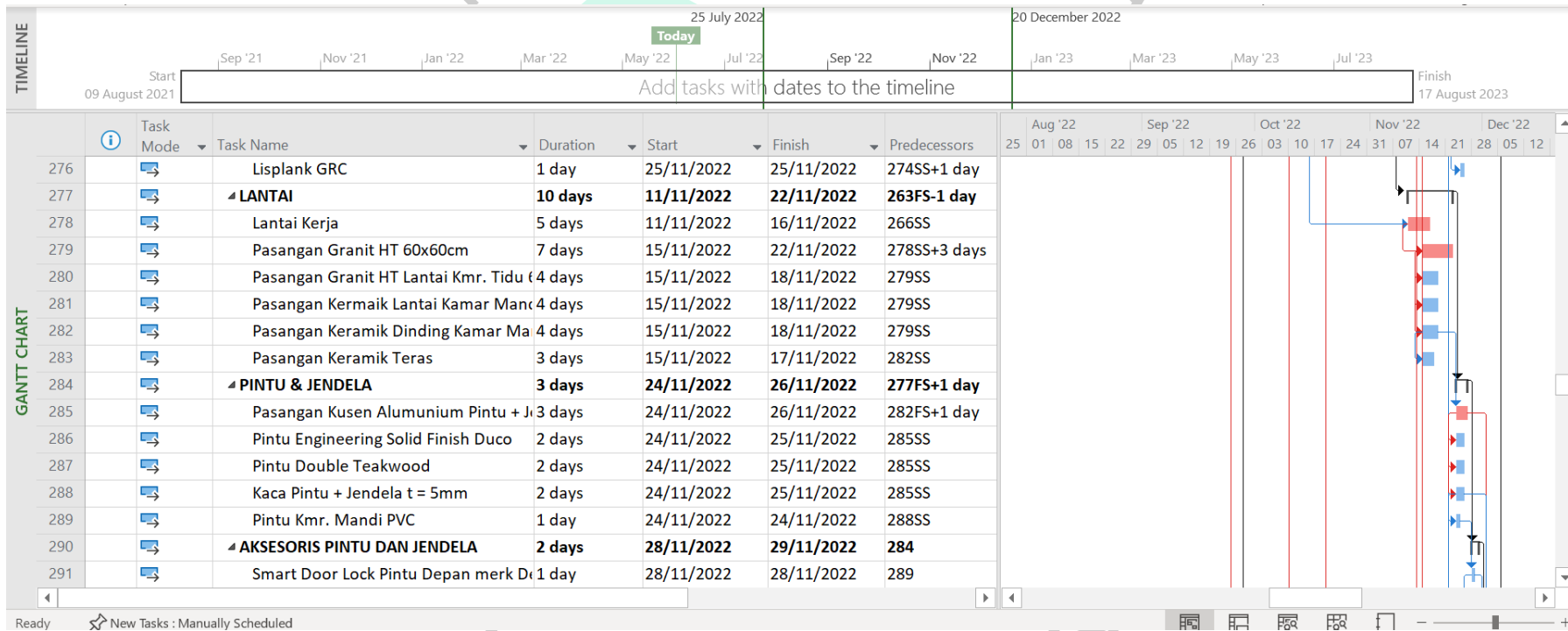
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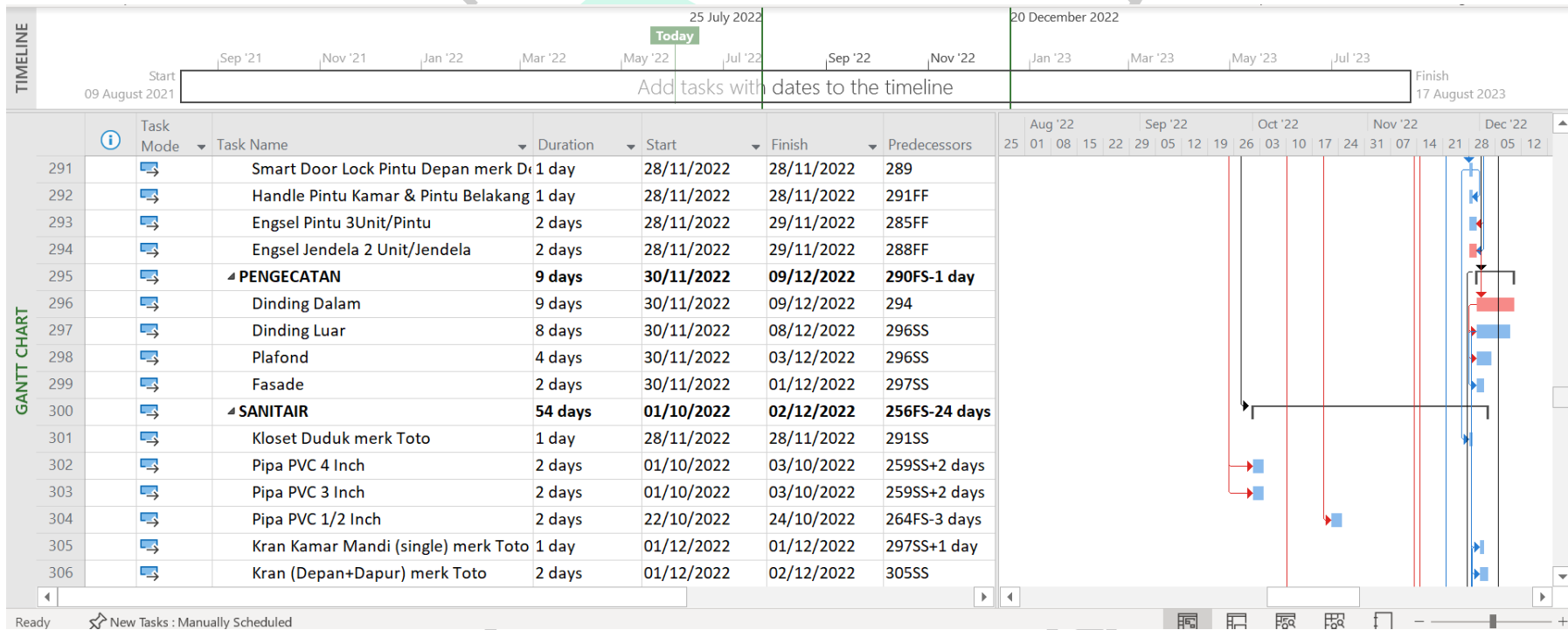


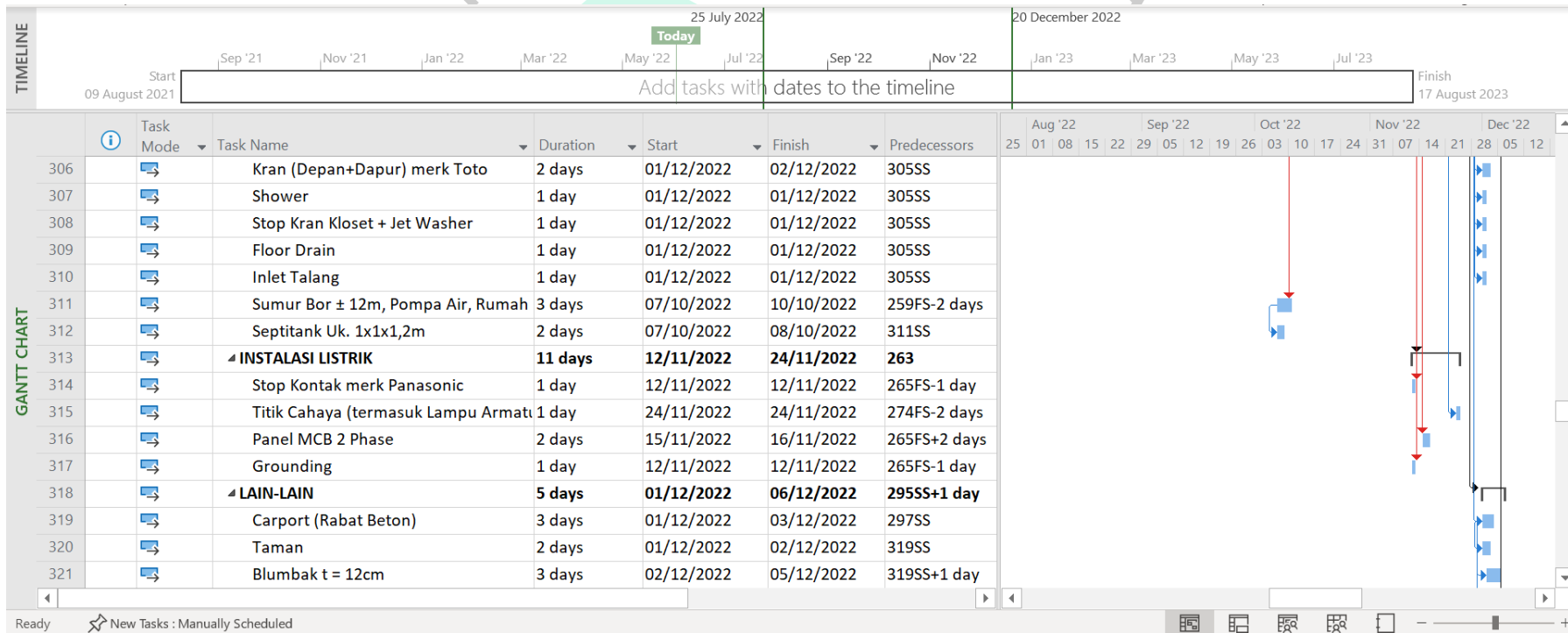
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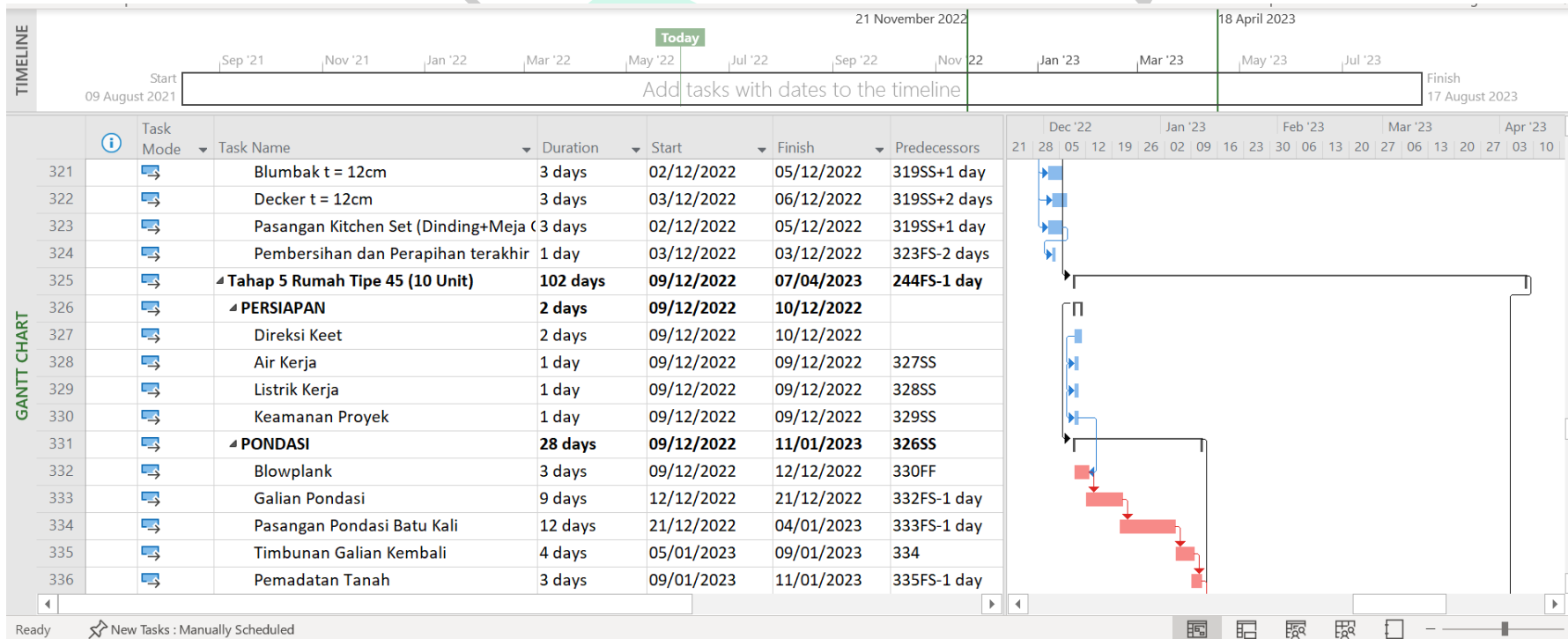


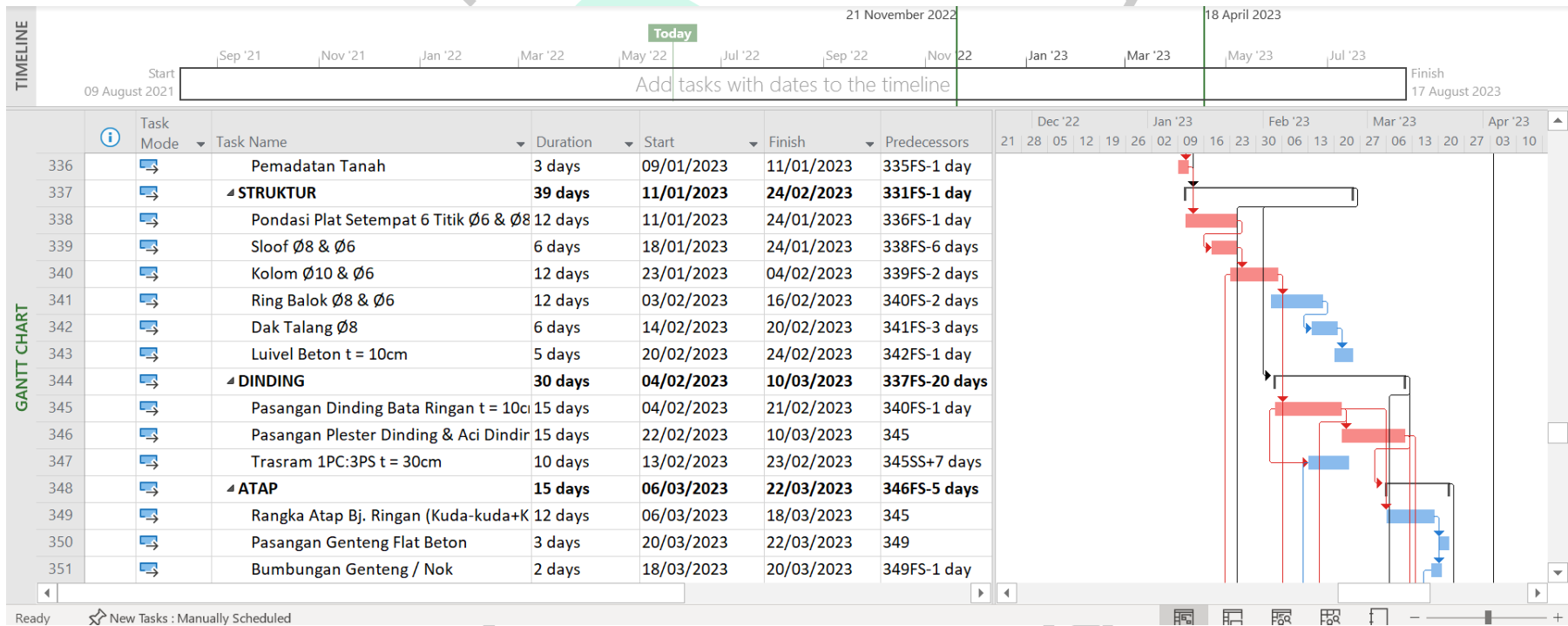
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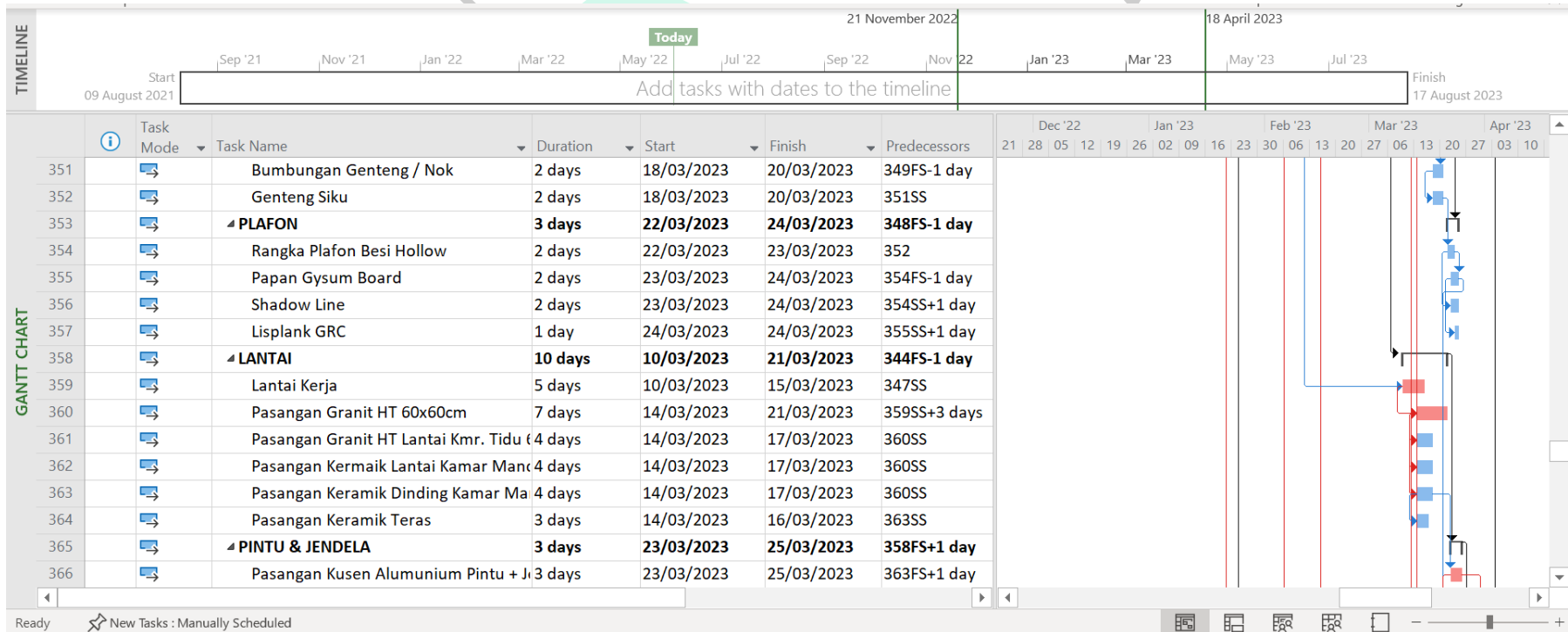


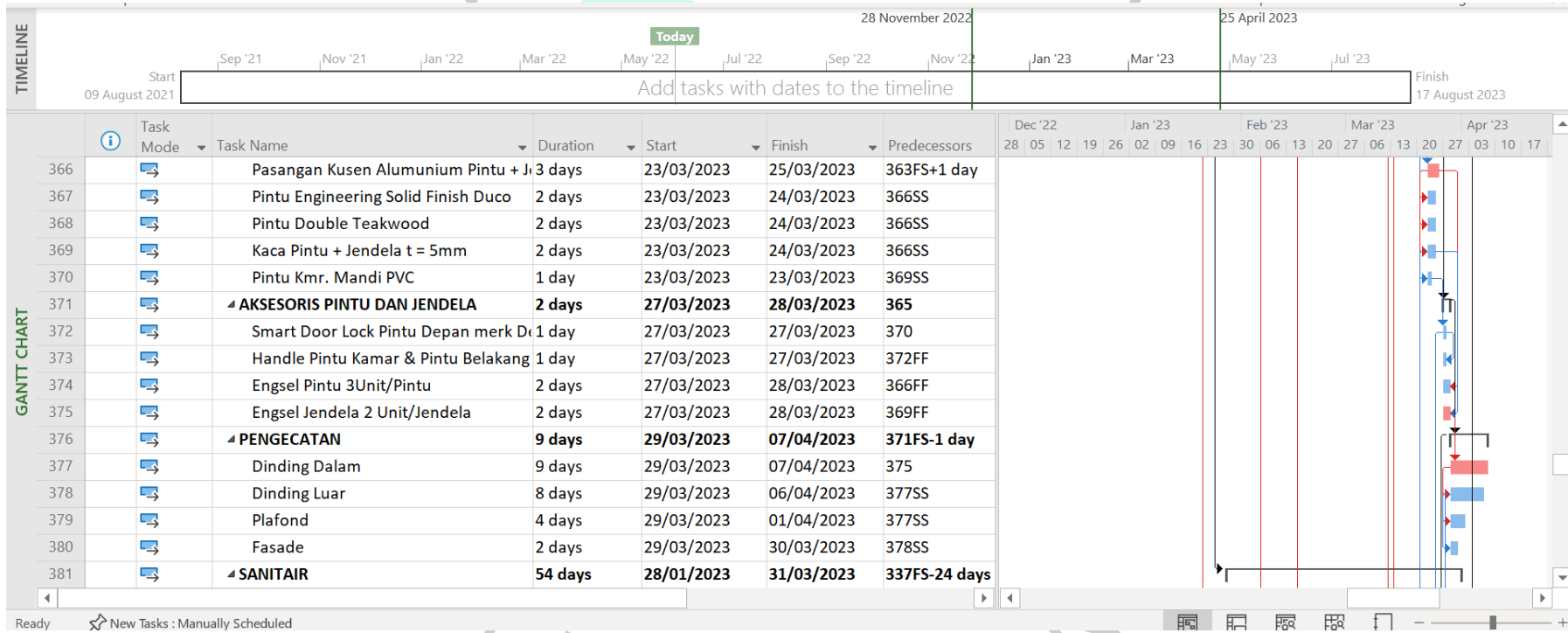




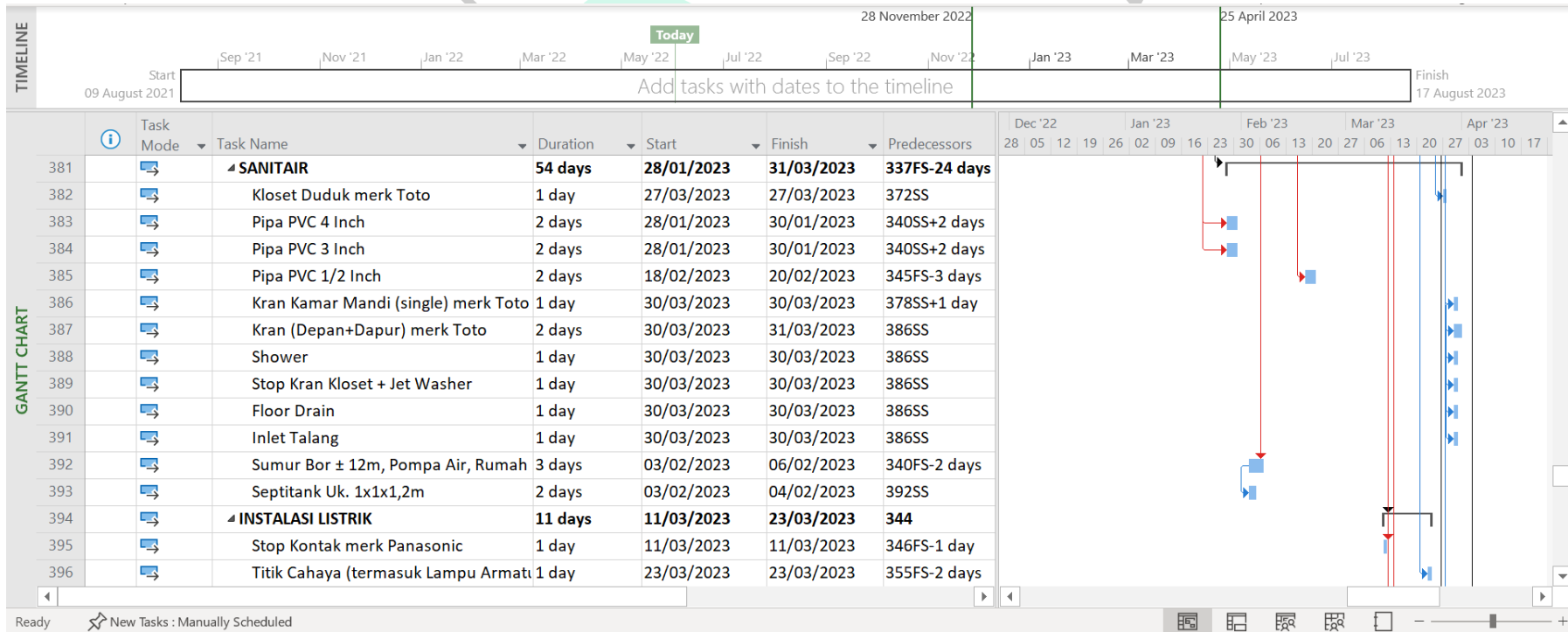


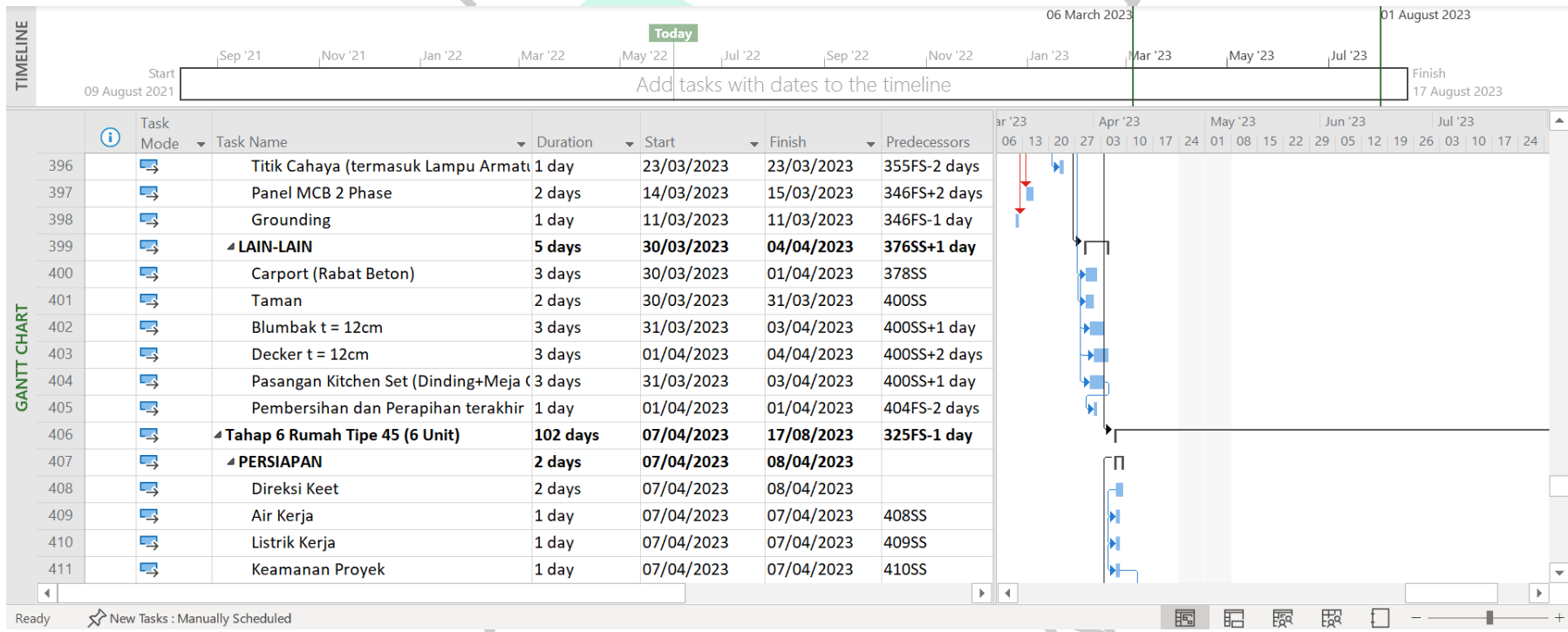


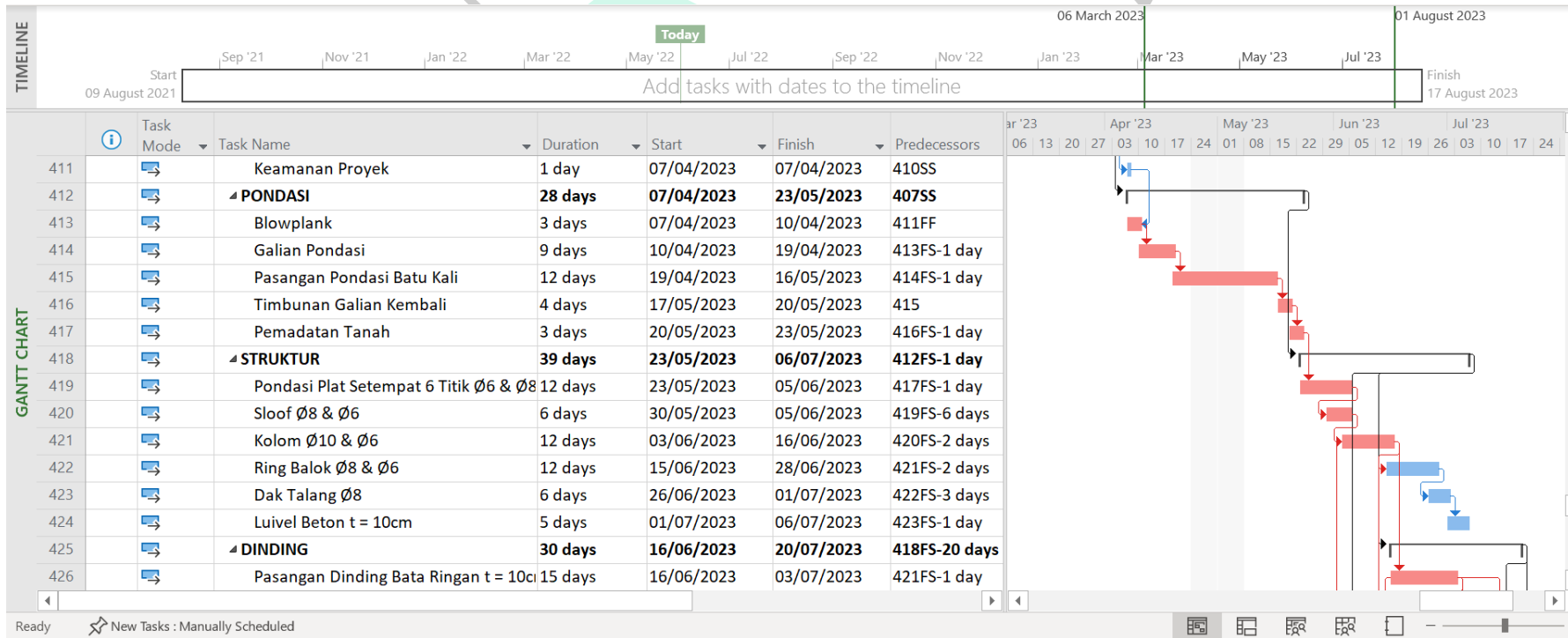


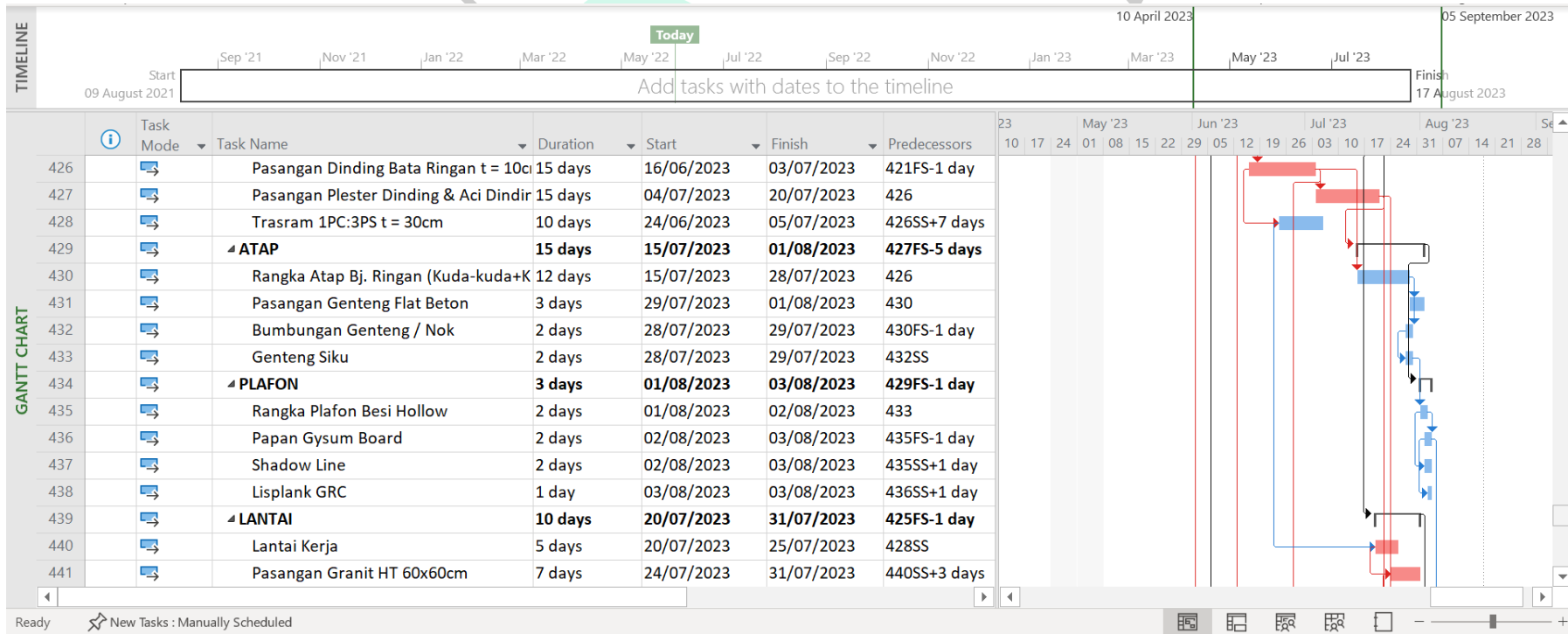




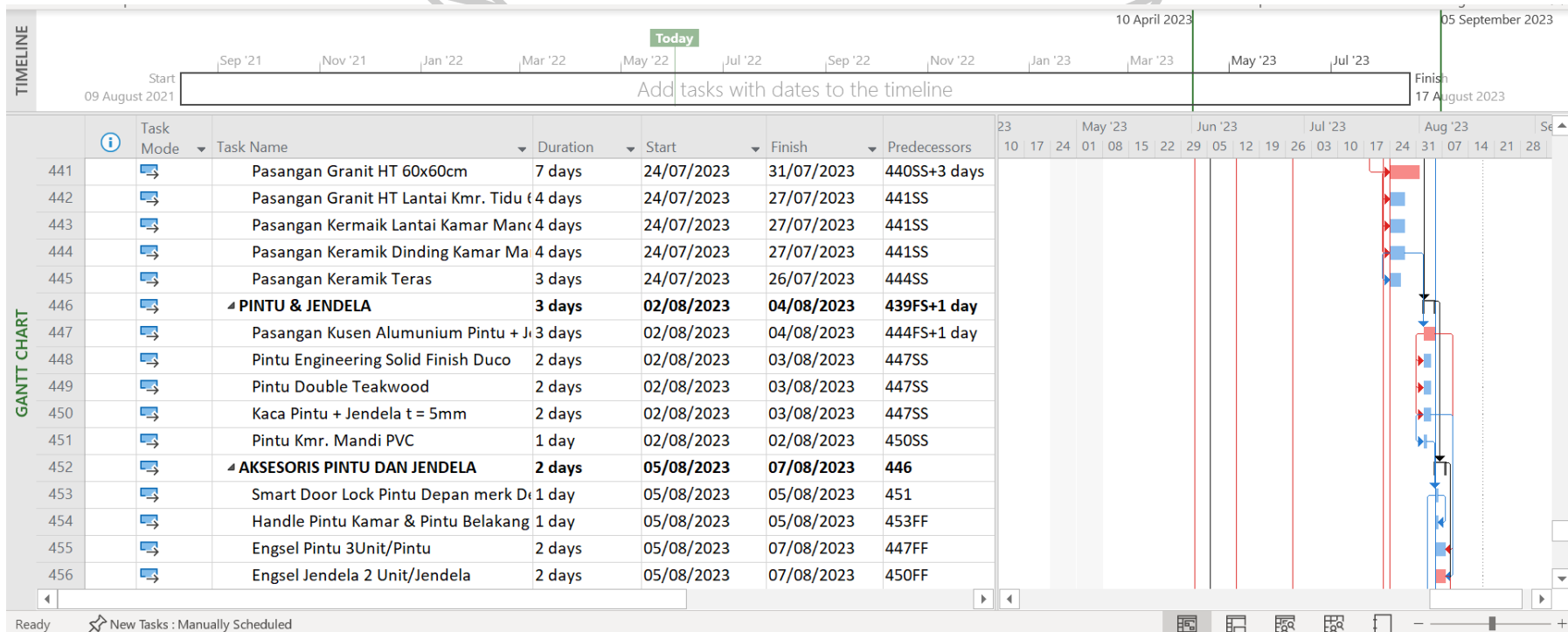




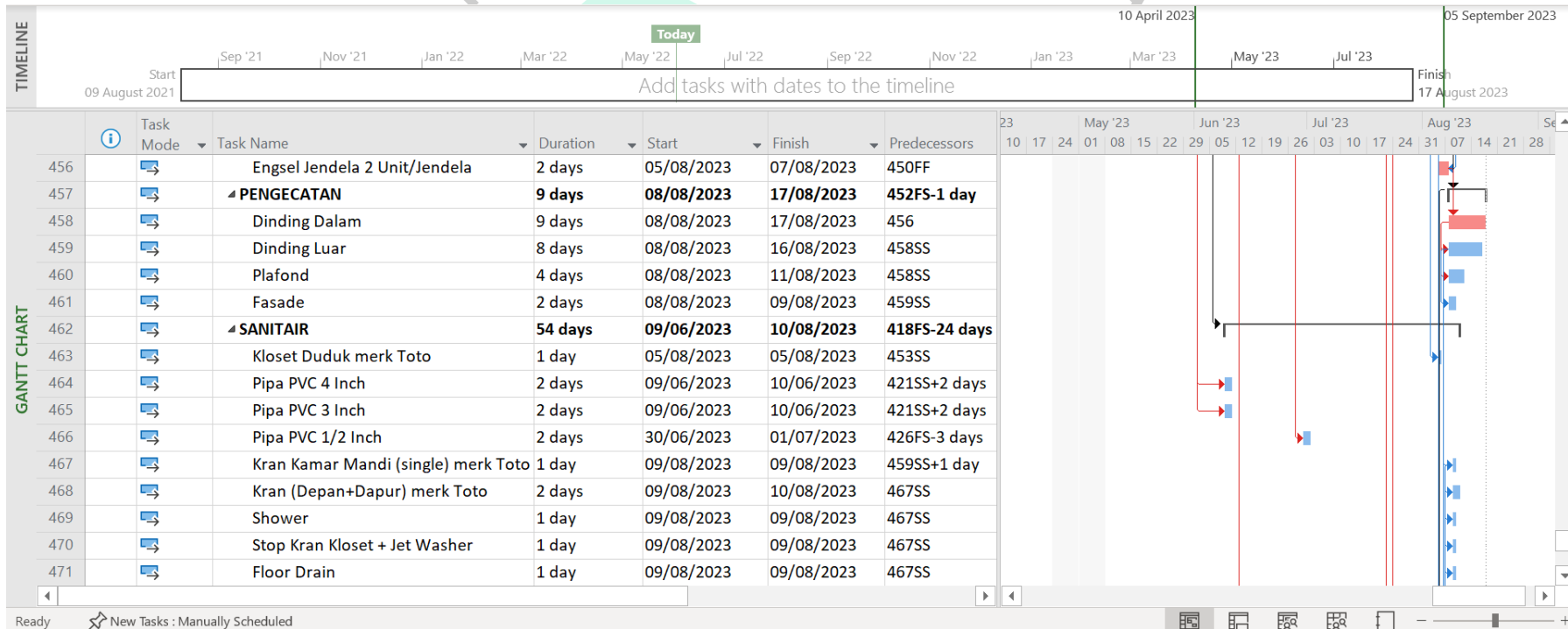


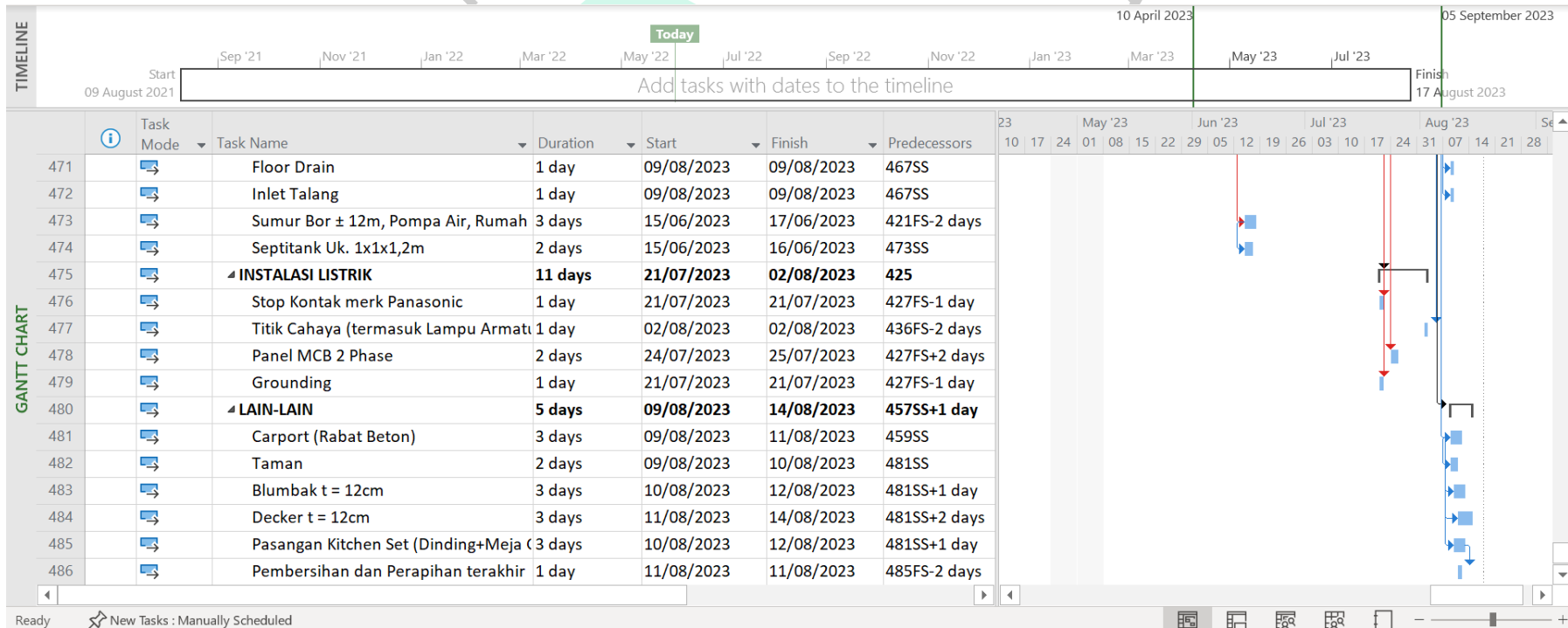


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Mengetahui



Joko Wuryanto, S.T.

Pimpinan Proyek





Lampiran 10 Hasil Analisis Nilai Produktivitas Tenaga Kerja Normal, Jumlah Tenaga Kerja Normal, dan Biaya Normal Tenaga Kerja (*Normal Cost*)

PERHITUNGAN PRODUKTIVITAS NORMAL, JUMLAH TENAGA KERJA NORMAL, DAN BIAYA NORMAL TENAGA KERJA												
NO.	PEKERJAAN	SATUAN	VOLUME	DURASI (HARI)	TENAGA KERJA	KOEFISIEN	PRODUKTIVITAS NORMAL	JUMLAH SDM (oh)	UPAH KERJA NORMAL	TOTAL UPAH KERJA	NORMAL COST	TOTAL NORMAL COST
<i>PONDASI</i>												
1	Bowplank	M'	48.30	3	Pekerja	0.100	10.000	1.610	Rp 95,000.00	Rp 152,950.00	Rp 458,850.00	Rp 1,048,110.00
					Tukang Kayu	0.100	10.000	1.610	Rp105,000.00	Rp 169,050.00	Rp 507,150.00	
					Kepala Tukang	0.010	100.000	0.161	Rp110,000.00	Rp 17,710.00	Rp 53,130.00	
					Mandor	0.005	200.000	0.081	Rp120,000.00	Rp 9,660.00	Rp 28,980.00	
<i>PONDASI</i>												
PERHITUNGAN PRODUKTIVITAS NORMAL, JUMLAH TENAGA KERJA NORMAL, DAN BIAYA NORMAL TENAGA KERJA												
NO.	PEKERJAAN	SATUAN	VOLUME	DURASI (HARI)	TENAGA KERJA	KOEFISIEN	PRODUKTIVITAS NORMAL	JUMLAH SDM (oh)	UPAH KERJA NORMAL	TOTAL UPAH KERJA	NORMAL COST	TOTAL NORMAL COST
<i>PONDASI</i>												
2	Galian Pondasi	M3	8.40	9	Pekerja	0.300	3.333	0.280	Rp 95,000.00	Rp 26,600.00	Rp 239,400.00	Rp 289,800.00
					Mandor	0.050	20.000	0.047	Rp120,000.00	Rp 5,600.00	Rp 50,400.00	
<i>PONDASI</i>												
PERHITUNGAN PRODUKTIVITAS NORMAL, JUMLAH TENAGA KERJA NORMAL, DAN BIAYA NORMAL TENAGA KERJA												
NO.	PEKERJAAN	SATUAN	VOLUME	DURASI (HARI)	TENAGA KERJA	KOEFISIEN	PRODUKTIVITAS NORMAL	JUMLAH SDM (oh)	UPAH KERJA NORMAL	TOTAL UPAH KERJA	NORMAL COST	TOTAL NORMAL COST

PONDASI

3	Pasangan Pondasi Batu Kali	M3	8.40	12	Pekerja	4.800	0.208	3.360	Rp 95,000.00	Rp 319,200.00	Rp 3,830,400.00	Rp 4,435,788.00
					Tukang Batu	0.270	3.704	0.189	Rp105,000.00	Rp 19,845.00	Rp 238,140.00	
					Kepala Tukang	0.212	4.717	0.148	Rp110,000.00	Rp 16,324.00	Rp 195,888.00	
					Mandor	0.170	5.882	0.119	Rp120,000.00	Rp 14,280.00	Rp 171,360.00	

PERHITUNGAN PRODUKTIVITAS NORMAL, JUMLAH TENAGA KERJA NORMAL, DAN BIAYA NORMAL TENAGA KERJA

NO.	PEKERJAAN	SATUAN	VOLUME	DURASI (HARI)	TENAGA KERJA	KOEFISIEN	PRODUKTIVITAS NORMAL	JUMLAH SDM (oh)	UPAH KERJA NORMAL	TOTAL UPAH KERJA	NORMAL COST	TOTAL NORMAL COST
<i>PONDASI</i>												
4	Timbungan Galian Kembali	M3	7.20	4	Pekerja	0.300	3.333	0.540	Rp 95,000.00	Rp 51,300.00	Rp 205,200.00	Rp 248,400.00
					Mandor	0.050	20.000	0.090	Rp120,000.00	Rp 10,800.00	Rp 43,200.00	

PERHITUNGAN PRODUKTIVITAS NORMAL, JUMLAH TENAGA KERJA NORMAL, DAN BIAYA NORMAL TENAGA KERJA

NO.	PEKERJAAN	SATUAN	VOLUME	DURASI (HARI)	TENAGA KERJA	KOEFISIEN	PRODUKTIVITAS NORMAL	JUMLAH SDM (oh)	UPAH KERJA NORMAL	TOTAL UPAH KERJA	NORMAL COST	TOTAL NORMAL COST
<i>PONDASI</i>												
5	Pemadatan Tanah	M2	45.00	3	Pekerja	0.300	3.333	4.500	Rp 95,000.00	Rp 427,500.00	Rp 1,282,500.00	Rp 1,552,500.00
					Mandor	0.050	20.000	0.750	Rp120,000.00	Rp 90,000.00	Rp 270,000.00	

PERHITUNGAN PRODUKTIVITAS NORMAL, JUMLAH TENAGA KERJA NORMAL, DAN BIAYA NORMAL TENAGA KERJA

NO.	PEKERJAAN	SATUAN	VOLUME	DURASI (HARI)	TENAGA KERJA	KOEFISIEN	PRODUKTIVITAS NORMAL	JUMLAH SDM (oh)	UPAH KERJA NORMAL	TOTAL UPAH KERJA	NORMAL COST	TOTAL NORMAL COST
<i>STRUKTUR</i>												
1	Pondasi Plat Setempat 6 Titik Ø6 & Ø8	M3	0.48	12	Pekerja	5.100	0.196	0.204	Rp 95,000.00	Rp 19,380.000	Rp 232,560.00	Rp 405,468.00
					Tukang Batu	0.275	3.636	0.011	Rp105,000.00	Rp 1,155.000	Rp 13,860.00	
					Tukang Besi	1.200	0.833	0.048	Rp105,000.00	Rp 5,040.000	Rp 60,480.00	
					Tukang Kayu	1.050	0.952	0.042	Rp105,000.00	Rp 4,410.000	Rp 52,920.00	
					Kepala Tukang	0.210	4.762	0.008	Rp110,000.00	Rp 924.000	Rp 11,088.00	
					Mandor	0.600	1.667	0.024	Rp120,000.00	Rp 2,880.000	Rp 34,560.00	

PERHITUNGAN PRODUKTIVITAS NORMAL, JUMLAH TENAGA KERJA NORMAL, DAN BIAYA NORMAL TENAGA KERJA

NO.	PEKERJAAN	SATUAN	VOLUME	DURASI (HARI)	TENAGA KERJA	KOEFISIEN	PRODUKTIVITAS NORMAL	JUMLAH SDM (oh)	UPAH KERJA NORMAL	TOTAL UPAH KERJA	NORMAL COST	TOTAL NORMAL COST
<i>STRUKTUR</i>												
2	Sloof Ø8 & Ø6	M3	1.05	6	Pekerja	5.250	0.190	0.919	Rp 95,000.00	Rp 87,281.250	Rp 523,687.50	Rp 851,707.50
					Tukang Batu	0.260	3.846	0.046	Rp105,000.00	Rp 4,777.500	Rp 28,665.00	
					Tukang Besi	1.250	0.800	0.219	Rp105,000.00	Rp 22,968.750	Rp 137,812.50	
					Tukang Kayu	1.050	0.952	0.184	Rp105,000.00	Rp 19,293.750	Rp 115,762.50	
					Kepala Tukang	0.200	5.000	0.035	Rp110,000.00	Rp 3,850.000	Rp 23,100.00	
					Mandor	0.180	5.556	0.032	Rp120,000.00	Rp 3,780.000	Rp 22,680.00	

PERHITUNGAN PRODUKTIVITAS NORMAL, JUMLAH TENAGA KERJA NORMAL, DAN BIAYA NORMAL TENAGA KERJA

NO.	PEKERJAAN	SATUAN	VOLUME	DURASI (HARI)	TENAGA KERJA	KOEFISIEN	PRODUKTIVITAS NORMAL	JUMLAH SDM (oh)	UPAH KERJA NORMAL	TOTAL UPAH KERJA	NORMAL COST	TOTAL NORMAL COST
<i>STRUKTUR</i>												
3	Kolom Ø10 & Ø6	M3	1.87	12	Pekerja	4.900	0.204	0.764	Rp 95,000.00	Rp 72,540.417	Rp 870,485.00	Rp 1,467,576.00
					Tukang Batu	0.250	4.000	0.039	Rp105,000.00	Rp 4,090.625	Rp 49,087.50	
					Tukang Besi	1.300	0.769	0.203	Rp105,000.00	Rp 21,271.250	Rp 255,255.00	
					Tukang Kayu	1.110	0.901	0.173	Rp105,000.00	Rp 18,162.375	Rp 217,948.50	
					Kepala Tukang	0.200	5.000	0.031	Rp110,000.00	Rp 3,428.333	Rp 41,140.00	
					Mandor	0.150	6.667	0.023	Rp120,000.00	Rp 2,805.000	Rp 33,660.00	

PERHITUNGAN PRODUKTIVITAS NORMAL, JUMLAH TENAGA KERJA NORMAL, DAN BIAYA NORMAL TENAGA KERJA

NO.	PEKERJAAN	SATUAN	VOLUME	DURASI (HARI)	TENAGA KERJA	KOEFISIEN	PRODUKTIVITAS NORMAL	JUMLAH SDM (oh)	UPAH KERJA NORMAL	TOTAL UPAH KERJA	NORMAL COST	TOTAL NORMAL COST
<i>DINDING</i>												
1	Pasangan Dinding Bata Ringan t = 10cm	M2	212.00	15	Pekerja	0.250	4.000	3.533	Rp 95,000.00	Rp 335,666.667	Rp 5,035,000.00	Rp 7,875,800.00
					Tukang Batu	0.100	10.000	1.413	Rp105,000.00	Rp 148,400.000	Rp 2,226,000.00	
					Kepala Tukang	0.010	100.000	0.141	Rp110,000.00	Rp 15,546.667	Rp 233,200.00	
					Mandor	0.015	66.667	0.212	Rp120,000.00	Rp 25,440.000	Rp 381,600.00	

PERHITUNGAN PRODUKTIVITAS NORMAL, JUMLAH TENAGA KERJA NORMAL, DAN BIAYA NORMAL TENAGA KERJA

NO.	PEKERJAAN	SATUAN	VOLUME	DURASI (HARI)	TENAGA KERJA	KOEFISIEN	PRODUKTIVITAS NORMAL	JUMLAH SDM (oh)	UPAH KERJA NORMAL	TOTAL UPAH KERJA	NORMAL COST	TOTAL NORMAL COST
<i>DINDING</i>												
2	Pasangan Plester Dinding + Aci Dinding	M2	295.00	15	Pekerja	0.250	4.000	4.917	Rp 95,000.00	Rp 467,083.333	Rp 7,006,250.00	Rp 10,959,250.00
					Tukang Batu	0.100	10.000	1.967	Rp105,000.00	Rp 206,500.000	Rp 3,097,500.00	
					Kepala Tukang	0.010	100.000	0.197	Rp110,000.00	Rp 21,633.333	Rp 324,500.00	
					Mandor	0.015	66.667	0.295	Rp120,000.00	Rp 35,400.000	Rp 531,000.00	

PERHITUNGAN PRODUKTIVITAS NORMAL, JUMLAH TENAGA KERJA NORMAL, DAN BIAYA NORMAL TENAGA KERJA

NO.	PEKERJAAN	SATUAN	VOLUME	DURASI (HARI)	TENAGA KERJA	KOEFISIEN	PRODUKTIVITAS NORMAL	JUMLAH SDM (oh)	UPAH KERJA NORMAL	TOTAL UPAH KERJA	NORMAL COST	TOTAL NORMAL COST
<i>LANTAI</i>												
1	Lantai Kerja	M2	45.00	5	Pekerja	0.100	10.000	0.900	Rp 95,000.00	Rp 85,500.000	Rp 427,500.00	Rp 697,500.00
					Mandor	0.050	20.000	0.450	Rp120,000.00	Rp 54,000.000	Rp 270,000.00	

PERHITUNGAN PRODUKTIVITAS NORMAL, JUMLAH TENAGA KERJA NORMAL, DAN BIAYA NORMAL TENAGA KERJA

NO.	PEKERJAAN	SATUAN	VOLUME	DURASI (HARI)	TENAGA KERJA	KOEFISIEN	PRODUKTIVITAS NORMAL	JUMLAH SDM (oh)	UPAH KERJA NORMAL	TOTAL UPAH KERJA	NORMAL COST	TOTAL NORMAL COST
<i>LANTAI</i>												
2		M2	34.50	7	Pekerja	0.600	1.667	2.957	Rp 95,000.00	Rp 280,928.571	Rp 1,966,500.00	Rp 3,010,125.00

Pasangan Granit HT 60X60cm	Tukang Batu	0.250	4.000	1.232	Rp105,000.00	Rp 129,375.000	Rp 905,625.00
	Kepala Tukang	0.020	50.000	0.099	Rp110,000.00	Rp 10,842.857	Rp 75,900.00
	Mandor	0.015	66.667	0.074	Rp120,000.00	Rp 8,871.429	Rp 62,100.00

PERHITUNGAN PRODUKTIVITAS NORMAL, JUMLAH TENAGA KERJA NORMAL, DAN BIAYA NORMAL TENAGA KERJA

NO.	PEKERJAAN	SATUAN	VOLUME	DURASI (HARI)	TENAGA KERJA	KOEFISIEN	PRODUKTIVITAS NORMAL	JUMLAH SDM (oh)	UPAH KERJA NORMAL	TOTAL UPAH KERJA	NORMAL COST	TOTAL NORMAL COST
<i>PINTU &amp; JENDELA</i>												
1	Pasangan Kusen Alumunium Pintu + Jendela 4 inch	M'	73.50	3	Pekerja	0.150	6.667	3.675	Rp 95,000.00	Rp 349,125.000	Rp 1,047,375.00	Rp 2,543,100.00
					Tukang Besi	0.150	6.667	3.675	Rp105,000.00	Rp 385,875.000	Rp 1,157,625.00	
					Kepala Tukang	0.020	50.000	0.490	Rp110,000.00	Rp 53,900.000	Rp 161,700.00	
					Mandor	0.020	50	0.490	Rp120,000.00	Rp 58,800.000	Rp 176,400.00	

PERHITUNGAN PRODUKTIVITAS NORMAL, JUMLAH TENAGA KERJA NORMAL, DAN BIAYA NORMAL TENAGA KERJA

NO.	PEKERJAAN	SATUAN	VOLUME	DURASI (HARI)	TENAGA KERJA	KOEFISIEN	PRODUKTIVITAS NORMAL	JUMLAH SDM (oh)	UPAH KERJA NORMAL	TOTAL UPAH KERJA	NORMAL COST	TOTAL NORMAL COST
<i>AKSESORIS PINTU DAN JENDELA</i>												
1	Engsel Jendela 2 Unit/Jendela	Unit	10.00	2	Pekerja	0.150	6.667	0.750	Rp 95,000.00	Rp 71,250.000	Rp 142,500.00	Rp 232,500.00
					Mandor	0.075	13.333	0.375	Rp120,000.00	Rp 45,000.000	Rp 90,000.00	

PERHITUNGAN PRODUKTIVITAS NORMAL, JUMLAH TENAGA KERJA NORMAL, DAN BIAYA NORMAL TENAGA KERJA

NO.	PEKERJAAN	SATUAN	VOLUME	DURASI (HARI)	TENAGA KERJA	KOEFISIEN	PRODUKTIVITAS NORMAL	JUMLAH SDM (oh)	UPAH KERJA NORMAL	TOTAL UPAH KERJA	NORMAL COST	TOTAL NORMAL COST
<i>PENGECATAN</i>												
1	Dinding Dalam	M2	180.50	9	Pekerja	0.030	33.333	0.602	Rp 95,000.00	Rp 57,158.333	Rp 514,425.00	Rp 1,404,290.00
					Tukang Cat	0.040	25.000	0.802	Rp105,000.00	Rp 84,233.333	Rp 758,100.00	
					Kepala Tukang	0.005	200.000	0.100	Rp110,000.00	Rp 11,030.556	Rp 99,275.00	
					Mandor	0.002	666.667	0.030	Rp120,000.00	Rp 3,610.000	Rp 32,490.00	

Lampiran 11 Hasil Analisis Alternatif Percepatan Penambahan Tenaga Kerja 40%

PERHITUNGAN ALTERNATIF PERCEPATAN PENAMBAHAN TENAGA KERJA 40% DARI TENAGA KERJA NORMAL PER PEKERJAAN														
NO.	PEKERJAAN	SATUAN	TENAGA KERJA	JUMLAH SDM (oh)	JUMLAH TENAGA CRS.+40%	CRASH DURATION	DURATION NORMAL	UPAH KERJA NORMAL	UPAH CRASH	TOTAL CRASH COST	CRASH COST	NORMAL COST	COST SLOPE/HARI	TOTAL COST SLOPE
<i>PONDASI</i>														
1	Bowplank	M'	Pekerja	1.610	2.254	2.143	3	Rp 95,000.00	Rp214,130.000	Rp 458,850.00	Rp 1,458,857.14	Rp 1,048,110.000	Rp 479,205.000	Rp 410,747.14
			Tukang Kayu	1.610	2.254	2.143		Rp105,000.00	Rp236,670.000	Rp 507,150.00				
			Kepala Tukang	0.161	1.000	0.483		Rp110,000.00	Rp110,000.000	Rp 235,714.29				
			Mandor	0.081	1.000	0.242		Rp120,000.00	Rp120,000.000	Rp 257,142.86				
			TOTAL			2.14		TOTAL		Rp 1,458,857.14				

PERHITUNGAN ALTERNATIF PERCEPATAN PENAMBAHAN TENAGA KERJA 40% DARI TENAGA KERJA NORMAL PER PEKERJAAN														
NO.	PEKERJAAN	SATUAN	TENAGA KERJA	JUMLAH SDM (oh)	JUMLAH TENAGA CRS.+40%	CRASH DURATION	DURATION NORMAL	UPAH KERJA NORMAL	UPAH CRASH	TOTAL CRASH COST	CRASH COST	NORMAL COST	COST SLOPE/HARI	TOTAL COST SLOPE
<i>PONDASI</i>														
2	Galian Pondasi	M3	Pekerja	0.280	1.000	2.520	9	Rp 95,000.00	Rp 95,000.000	Rp 239,400.00	Rp 541,800.00	Rp 289,800.000	Rp 38,888.89	Rp 252,000.000
			Mandor	0.047	1.000	0.420		Rp120,000.00	Rp120,000.000	Rp 302,400.00				
			TOTAL			2.52		TOTAL		Rp 541,800.00				



PERHITUNGAN ALTERNATIF PERCEPATAN PENAMBAHAN TENAGA KERJA 40% DARI TENAGA KERJA NORMAL PER PEKERJAAN

NO.	PEKERJAAN	SATUAN	TENAGA KERJA	JUMLAH SDM (oh)	JUMLAH TENAGA CRS.+40%	CRASH DURATION	DURATION NORMAL	UPAH KERJA NORMAL	UPAH CRASH	TOTAL CRASH COST	CRASH COST	NORMAL COST	COST SLOPE/HARI	TOTAL COST SLOPE
<i>PONDASI</i>														
3	Pasangan Pondasi Batu Kali	M3	Pekerja	3.360	4.704	8.571	12	Rp 95,000.00	Rp446,880.000	Rp 3,830,400.00	Rp 6,701,828.57	Rp 4,435,788.000	Rp 660,928.50	Rp 2,266,040.57
			Tukang Batu	0.189	1.000	2.268		Rp105,000.00	Rp105,000.000	Rp 900,000.00				
			Kepala Tukang	0.148	1.000	1.781		Rp110,000.00	Rp110,000.000	Rp 942,857.14				
			Mandor	0.119	1.000	1.428		Rp120,000.00	Rp120,000.000	Rp 1,028,571.43				
			TOTAL			8.57		TOTAL		Rp 6,701,828.57				

PERHITUNGAN ALTERNATIF PERCEPATAN PENAMBAHAN TENAGA KERJA 40% DARI TENAGA KERJA NORMAL PER PEKERJAAN

NO.	PEKERJAAN	SATUAN	TENAGA KERJA	JUMLAH SDM (oh)	JUMLAH TENAGA CRS.+40%	CRASH DURATION	DURATION NORMAL	UPAH KERJA NORMAL	UPAH CRASH	TOTAL CRASH COST	CRASH COST	NORMAL COST	COST SLOPE/HARI	TOTAL COST SLOPE
<i>PONDASI</i>														
4	Timbangan Galian Kembali	M3	Pekerja	0.540	1.000	2.160	4	Rp 95,000.00	Rp 95,000.000	Rp 205,200.00	Rp 464,400.00	Rp 248,400.000	Rp 117,391.30	Rp 216,000.000
			Mandor	0.090	1.000	0.360		Rp120,000.00	Rp120,000.000	Rp 259,200.00				
			TOTAL			2.16		TOTAL		Rp 464,400.00				

PERHITUNGAN ALTERNATIF PERCEPATAN PENAMBAHAN TENAGA KERJA 40% DARI TENAGA KERJA NORMAL PER PEKERJAAN

NO.	PEKERJAAN	SATUAN	TENAGA KERJA	JUMLAH SDM (oh)	JUMLAH TENAGA CRS.+40%	CRASH DURATION	DURATION NORMAL	UPAH KERJA NORMAL	UPAH CRASH	TOTAL CRASH COST	CRASH COST	NORMAL COST	COST SLOPE/HARI	TOTAL COST SLOPE
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PONDASI

5	Pemadatan Tanah	M2	Pekerja	4.500	6.300	2.143	3	Rp 95,000.00	Rp598,500.000	Rp 1,282,500.00	Rp 1,796,785.71	Rp 1,552,500.000	Rp 285,000.000	Rp 244,285.714
			Mandor	0.750	2.000	1.125		Rp120,000.00	Rp240,000.000	Rp 514,285.71				
			TOTAL			2,14		TOTAL		Rp 1,796,785.71				

PERHITUNGAN ALTERNATIF PERCEPATAN PENAMBAHAN TENAGA KERJA 40% DARI TENAGA KERJA NORMAL PER PEKERJAAN

NO.	PEKERJAAN	SATUAN	TENAGA KERJA	JUMLAH SDM (oh)	JUMLAH TENAGA CRS.+40%	CRASH DURATION	DURATION NORMAL	UPAH KERJA NORMAL	UPAH CRASH	TOTAL CRASH COST	CRASH COST	NORMAL COST	COST SLOPE/HARI	TOTAL COST SLOPE
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STRUKTUR

1	Pondasi Plat Setempat 6 Titik Ø6 & Ø8	M3	Pekerja	0.204	1.000	2.448	12	Rp 95,000.00	Rp 95,000.000	Rp 232,560.000	Rp 1,566,720.000	Rp 405,468.000	Rp 121,571.61	Rp 1,161,252.00
			Tukang Batu	0.011	1.000	0.132		Rp105,000.00	Rp105,000.000	Rp 257,040.000				
			Tukang Besi	0.048	1.000	0.576		Rp105,000.00	Rp105,000.000	Rp 257,040.000				
			Tukang Kayu	0.042	1.000	0.504		Rp105,000.00	Rp105,000.000	Rp 257,040.000				
			Kepala Tukang	0.008	1.000	0.101		Rp110,000.00	Rp110,000.000	Rp 269,280.000				
			Mandor	0.024	1.000	0.288		Rp120,000.00	Rp120,000.000	Rp 293,760.000				
			TOTAL			2.45		TOTAL		Rp 1,566,720.000				

PERHITUNGAN ALTERNATIF PERCEPATAN PENAMBAHAN TENAGA KERJA 40% DARI TENAGA KERJA NORMAL PER PEKERJAAN

NO.	PEKERJAAN	SATUAN	TENAGA KERJA	JUMLAH SDM (oh)	JUMLAH TENAGA CRS.+40%	CRASH DURATION	DURATION NORMAL	UPAH KERJA NORMAL	UPAH CRASH	TOTAL CRASH COST	CRASH COST	NORMAL COST	COST SLOPE/HARI	TOTAL COST SLOPE
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STRUKTUR

2	Sloof Ø8 & Ø6	M3	Pekerja	0.919	1.286	4.286	6	Rp 95,000.00	Rp122,193.750	Rp 523,687.500	Rp 2,859,401.786	Rp 851,707.500	Rp1,171,155.00	Rp 2,007,694.29
			Tukang Batu	0.046	1.000	0.273		Rp105,000.00	Rp105,000.000	Rp 450,000.000				
			Tukang Besi	0.219	1.000	1.313		Rp105,000.00	Rp105,000.000	Rp 450,000.000				

Tukang Kayu	0.184	1.000	1.103	Rp105,000.00	Rp105,000.000	Rp	450,000.000
Kepala Tukang	0.035	1.000	0.210	Rp110,000.00	Rp110,000.000	Rp	471,428.571
Mandor	0.032	1.000	0.189	Rp120,000.00	Rp120,000.000	Rp	514,285.714
TOTAL			4.29	TOTAL		Rp	2,859,401.786

PERHITUNGAN ALTERNATIF PERCEPATAN PENAMBAHAN TENAGA KERJA 40% DARI TENAGA KERJA NORMAL PER PEKERJAAN

NO.	PEKERJAAN	SATUAN	TENAGA KERJA	JUMLAH SDM (oh)	JUMLAH TENAGA CRS.+40%	CRASH DURATION	DURATION NORMAL	UPAH KERJA NORMAL	UPAH CRASH	TOTAL CRASH COST	CRASH COST	NORMAL COST	COST SLOPE/HARI	TOTAL COST SLOPE
<i>STRUKTUR</i>														
3	Kolom Ø10 & Ø6	M3	Pekerja	0.764	1.069	8.571	12	Rp 95,000.00	Rp101,556.583	Rp 870,485.000	Rp 5,541,913.571	Rp 1,467,576.000	Rp1,188,348.46	Rp 4,074,337.57
			Tukang Batu	0.039	1.000	0.468		Rp105,000.00	Rp105,000.000	Rp 900,000.000				
			Tukang Besi	0.203	1.000	2.431		Rp105,000.00	Rp105,000.000	Rp 900,000.000				
			Tukang Kayu	0.173	1.000	2.076		Rp105,000.00	Rp105,000.000	Rp 900,000.000				
			Kepala Tukang	0.031	1.000	0.374		Rp110,000.00	Rp110,000.000	Rp 942,857.143				
			Mandor	0.023	1.000	0.281		Rp120,000.00	Rp120,000.000	Rp 1,028,571.429				
TOTAL					8.57	TOTAL			Rp 5,541,913.571					

PERHITUNGAN ALTERNATIF PERCEPATAN PENAMBAHAN TENAGA KERJA 40% DARI TENAGA KERJA NORMAL PER PEKERJAAN

NO.	PEKERJAAN	SATUAN	TENAGA KERJA	JUMLAH SDM (oh)	JUMLAH TENAGA CRS.+40%	CRASH DURATION	DURATION NORMAL	UPAH KERJA NORMAL	UPAH CRASH	TOTAL CRASH COST	CRASH COST	NORMAL COST	COST SLOPE/HARI	TOTAL COST SLOPE
<i>DINDING</i>														
1	Pasangan Dinding Bata Ringan t = 10cm	M2	Pekerja	3.533	4.947	10.714	15	Rp 95,000.00	Rp469,933.333	Rp 5,035,000.000	Rp 9,725,285.714	Rp 7,875,800.000	Rp 431,546.667	Rp1,849,485.714
			Tukang Batu	1.413	1.979	10.714		Rp105,000.00	Rp207,760.000	Rp 2,226,000.000				
			Kepala Tukang	0.141	1.000	2.120		Rp110,000.00	Rp110,000.000	Rp 1,178,571.429				

Mandor	0.212	1.000	3.180	Rp120,000.00	Rp120,000.000	Rp 1,285,714.286
TOTAL			10.71	TOTAL		Rp 9,725,285.714

PERHITUNGAN ALTERNATIF PERCEPATAN PENAMBAHAN TENAGA KERJA 40% DARI TENAGA KERJA NORMAL PER PEKERJAAN

NO.	PEKERJAAN	SATUAN	TENAGA KERJA	JUMLAH SDM (oh)	JUMLAH TENAGA CRS.+40%	CRASH DURATION	DURATION NORMAL	UPAH KERJA NORMAL	UPAH CRASH	TOTAL CRASH COST	CRASH COST	NORMAL COST	COST SLOPE/HARI	TOTAL COST SLOPE
<i>DINDING</i>														
2	Pasangan Plester Dinding + Aci Dinding	M2	Pekerja	4.917	6.883	10.714	15	Rp 95,000.00	Rp653,916.667	Rp 7,006,250.000	Rp 12,568,035.714	Rp10,959,250.000	Rp 375,383.333	Rp1.608,785.714
			Tukang Batu	1.967	2.753	10.714		Rp105,000.00	Rp289,100.000	Rp 3,097,500.000				
			Kepala Tukang	0.197	1.000	2.950		Rp110,000.00	Rp110,000.000	Rp 1,178,571.429				
			Mandor	0.295	1.000	4.425		Rp120,000.00	Rp120,000.000	Rp 1,285,714.286				
			TOTAL			10.71		TOTAL		Rp 12,568,035.714				

PERHITUNGAN ALTERNATIF PERCEPATAN PENAMBAHAN TENAGA KERJA 40% DARI TENAGA KERJA NORMAL PER PEKERJAAN

NO.	PEKERJAAN	SATUAN	TENAGA KERJA	JUMLAH SDM (oh)	JUMLAH TENAGA CRS.+40%	CRASH DURATION	DURATION NORMAL	UPAH KERJA NORMAL	UPAH CRASH	TOTAL CRASH COST	CRASH COST	NORMAL COST	COST SLOPE/HARI	TOTAL COST SLOPE
<i>LANTAI</i>														
1	Lantai Kerja	M2	Pekerja	0.900	1.260	3.571	5	Rp 95,000.00	Rp119,700.000	Rp 430,920.000	Rp 703,080.000	Rp 697,500.000	Rp 3,985.714	Rp 5,580.000
			Mandor	0.450	0.630	3.571		Rp120,000.00	Rp 75,600.000	Rp 272,160.000				
			TOTAL			3.60		TOTAL		Rp 703,080.000				

PERHITUNGAN ALTERNATIF PERCEPATAN PENAMBAHAN TENAGA KERJA 40% DARI TENAGA KERJA NORMAL PER PEKERJAAN

NO.	PEKERJAAN	SATUAN	TENAGA KERJA	JUMLAH SDM (oh)	JUMLAH TENAGA CRS.+40%	CRASH DURATION	DURATION NORMAL	UPAH KERJA NORMAL	UPAH CRASH	TOTAL CRASH COST	CRASH COST	NORMAL COST	COST SLOPE/HARI	TOTAL COST SLOPE
<i>LANTAI</i>														
2	Pasangan Granit HT 60X60cm	M2	Pekerja	2.957	4.140	5.000	7	Rp 95,000.00	Rp393,300.000	Rp 1,966,500.000	Rp 4,022,125.000	Rp 3,010,125.000	Rp 506,000.000	Rp1,012,000.000
			Tukang Batu	1.232	1.725	5.000		Rp105,000.00	Rp181,125.000	Rp 905,625.000				
			Kepala Tukang	0.099	1.000	0.690		Rp110,000.00	Rp110,000.000	Rp 550,000.000				
			Mandor	0.074	1.000	0.518		Rp120,000.00	Rp120,000.000	Rp 600,000.000				
			TOTAL			5.00		TOTAL		Rp 4,022,125.000				

PERHITUNGAN ALTERNATIF PERCEPATAN PENAMBAHAN TENAGA KERJA 40% DARI TENAGA KERJA NORMAL PER PEKERJAAN

NO.	PEKERJAAN	SATUAN	TENAGA KERJA	JUMLAH SDM (oh)	JUMLAH TENAGA CRS.+40%	CRASH DURATION	DURATION NORMAL	UPAH KERJA NORMAL	UPAH CRASH	TOTAL CRASH COST	CRASH COST	NORMAL COST	COST SLOPE/HARI	TOTAL COST SLOPE
<i>PINTU &amp; JENDELA</i>														
1	Pasangan Kusen Alumunium Pintu + Jendela 4 inch	M'	Pekerja	3.675	5.145	2.143	3	Rp 95,000.00	Rp488,775.000	Rp 1,047,375.000	Rp 2,697,857.143	Rp 2,543,100.000	Rp 180,550.000	Rp 154,757.143
			Tukang Besi	3.675	5.145	2.143		Rp105,000.00	Rp540,225.000	Rp 1,157,625.000				
			Kepala Tukang	0.490	1.000	1.470		Rp110,000.00	Rp110,000.000	Rp 235,714.286				
			Mandor	0.490	1.000	1.470		Rp120,000.00	Rp120,000.000	Rp 257,142.857				
			TOTAL			2.14		TOTAL		Rp 2,697,857.143				

PERHITUNGAN ALTERNATIF PERCEPATAN PENAMBAHAN TENAGA KERJA 40% DARI TENAGA KERJA NORMAL PER PEKERJAAN

NO.	PEKERJAAN	SATUAN	TENAGA KERJA	JUMLAH SDM (oh)	JUMLAH TENAGA CRS.+40%	CRASH DURATION	DURATION NORMAL	UPAH KERJA NORMAL	UPAH CRASH	TOTAL CRASH COST	CRASH COST	NORMAL COST	COST SLOPE/HARI	TOTAL COST SLOPE
<u>AKSESORIS PINTU DAN JENDELA</u>														
1	Engsel Jendela 2 Unit/Jendela	Unit	Pekerja	0.750	1.050	1.429	2	Rp 95,000.00	Rp 99,750.000	Rp 142,500.000	Rp 313,928.571	Rp 232,500.000	Rp 142,500.000	Rp 81,428.571
			Mandor	0.375	1.000	0.750		Rp120,000.00	Rp120,000.000	Rp 171,428.571				
			TOTAL			1.43	TOTAL		Rp 313,928.571					

PERHITUNGAN ALTERNATIF PERCEPATAN PENAMBAHAN TENAGA KERJA 40% DARI TENAGA KERJA NORMAL PER PEKERJAAN

NO.	PEKERJAAN	SATUAN	TENAGA KERJA	JUMLAH SDM (oh)	JUMLAH TENAGA CRS.+40%	CRASH DURATION	DURATION NORMAL	UPAH KERJA NORMAL	UPAH CRASH	TOTAL CRASH COST	CRASH COST	NORMAL COST	COST SLOPE/HARI	TOTAL COST SLOPE
<u>PENGECATAN</u>														
1	Dinding Dalam	M2	Pekerja	0.602	1.000	5.415	9.000	Rp 95,000.00	Rp 95,000.000	Rp 610,714.286	Rp 2,847,385.714	Rp 1,404,290.000	Rp 561,203.889	Rp1,443,095.714
			Tukang Cat	0.802	1.123	6.429		Rp105,000.00	Rp117,926.667	Rp 758,100.000				
			Kepala Tukang	0.100	1.000	0.903		Rp110,000.00	Rp110,000.000	Rp 707,142.857				
			Mandor	0.030	1.000	0.271		Rp120,000.00	Rp120,000.000	Rp 771,428.571				
			TOTAL			6.43	TOTAL		Rp 2,847,385.714					

Lampiran 12 Hasil Analisis Alternatif Percepatan Penambahan Jam Kerja Lembur Sebanyak 3 Jam Dalam Satu Hari

PERHITUNGAN ALTERNATIF PERCEPATAN DENGAN MENAMBAHKAN JAM KERJA LEMBUR SEBANYAK 3 JAM DALAM SATU HARI															
No	PEKERJAAN	TENAGA KERJA	JUMLAH SDM (oh)	DURASI (HARI)	CRASH DURATION	UPAH KERJA NORMAL	UPAH LEMBUR KE -1	UPAH LEMBUR KE - 2	UPAH LEMBUR KE - 3	TOTAL UPAH PER HARI	TOTAL COST LEMBUR	CRASH COST	NORMAL COST	COST SLOPE/HARI	TOTAL COST SLOPE
<i>PONDASI</i>															
1	Bowplank	Pekerja	1.610	3	2.38	Rp 95,000.00	Rp19,767.60	Rp26,356.80	Rp26,356.80	Rp167,481.20	Rp 1,004,085.08	Rp 2,293,541.72	Rp 1,048,110.00	Rp1,996,644.50	Rp 1,245,431.72
		Tukang Kayu	1.610			Rp105,000.00	Rp21,848.40	Rp29,131.20	Rp29,131.20	Rp185,110.80	Rp 1,109,778.25				
		Kepala Tukang	0.161			Rp110,000.00	Rp22,888.80	Rp30,518.40	Rp30,518.40	Rp193,925.60	Rp 116,262.48				
		Mandor	0.081			Rp120,000.00	Rp24,969.60	Rp33,292.80	Rp33,292.80	Rp211,555.20	Rp 63,415.90				
TOTAL CRASH COST PEKERJAAN BOWPLANK											Rp 2,293,541.72				
PERHITUNGAN ALTERNATIF PERCEPATAN DENGAN MENAMBAHKAN JAM KERJA LEMBUR SEBANYAK 3 JAM DALAM SATU HARI															
No	PEKERJAAN	TENAGA KERJA	JUMLAH SDM (oh)	DURASI (HARI)	CRASH DURATION	UPAH KERJA NORMAL	UPAH LEMBUR KE -1	UPAH LEMBUR KE - 2	UPAH LEMBUR KE - 3	TOTAL UPAH PER HARI	TOTAL COST LEMBUR	CRASH COST	NORMAL COST	COST SLOPE/HARI	TOTAL COST SLOPE
<i>PONDASI</i>															
2	Galian Pondasi	Pekerja	0.280	9	7.13	Rp 95,000.00	Rp19,767.60	Rp26,356.80	Rp26,356.80	Rp167,481.20	Rp 514,463.15	Rp 622,771.18	Rp 289,800.00	Rp 177,936.98	Rp 332,971.18
		Mandor	0.047			Rp120,000.00	Rp24,969.60	Rp33,292.80	Rp33,292.80	Rp211,555.20	Rp 108,308.03				
TOTAL CRASH COST PEKERJAAN GALIAN PONDASI											Rp 622,771.18				
PERHITUNGAN ALTERNATIF PERCEPATAN DENGAN MENAMBAHKAN JAM KERJA LEMBUR SEBANYAK 3 JAM DALAM SATU HARI															
No	PEKERJAAN	TENAGA KERJA	JUMLAH SDM (oh)	DURASI (HARI)	CRASH DURATION	UPAH KERJA NORMAL	UPAH LEMBUR KE -1	UPAH LEMBUR KE - 2	UPAH LEMBUR KE - 3	TOTAL UPAH PER HARI	TOTAL COST LEMBUR	CRASH COST	NORMAL COST	COST SLOPE/HARI	TOTAL COST SLOPE
<i>PONDASI</i>															
3	Pasangan Pondasi Batu Kali	Pekerja	3.360	12	9.50	Rp 95,000.00	Rp19,767.60	Rp26,356.80	Rp26,356.80	Rp167,481.20	Rp 8,819,368.32	Rp10,213,254.01	Rp 4,435,788.00	Rp2,315,571.69	Rp 5,777,466.01

Tukang Batu	0.189	Rp105,000.00	Rp21,848.40	Rp29,131.20	Rp29,131.20	Rp185,110.80	Rp 548,309.41
Kepala Tukang	0.148	Rp110,000.00	Rp22,888.80	Rp30,518.40	Rp30,518.40	Rp193,925.60	Rp 451,025.59
Mandor	0.119	Rp120,000.00	Rp24,969.60	Rp33,292.80	Rp33,292.80	Rp211,555.20	Rp 394,550.69
TOTAL CRASH COST PEKERJAAN PASANGAN PONDASI BATU KALI							Rp 10,213,254.01

PERHITUNGAN ALTERNATIF PERCEPATAN DENGAN MENAMBAHKAN JAM KERJA LEMBUR SEBANYAK 3 JAM DALAM SATU HARI

No	PEKERJAAN	TENAGA KERJA	JUMLAH SDM (oh)	DURASI (HARI)	CRASH DURATION	UPAH KERJA NORMAL	UPAH LEMBUR KE - 1	UPAH LEMBUR KE - 2	UPAH LEMBUR KE - 3	TOTAL UPAH PER HARI	TOTAL COST LEMBUR	CRASH COST	NORMAL COST	COST SLOPE/HARI	TOTAL COST SLOPE
<i>PONDASI</i>															
4	Timbungan Galian Kembali	Pekerja	0.540	4	3.17	Rp 95,000.00	Rp19,767.60	Rp26,356.80	Rp26,356.80	Rp167,481.20	Rp 425,219.54	Rp 514,739.45	Rp 248,400.00	Rp 320,241.48	Rp 266,339.45
		Mandor	0.090			Rp120,000.00	Rp24,969.60	Rp33,292.80	Rp33,292.80	Rp211,555.20	Rp 89,519.90				
TOTAL CRASH COST PEKERJAAN TIMBUNGAN GALIAN KEMBALI											Rp 514,739.45				

PERHITUNGAN ALTERNATIF PERCEPATAN DENGAN MENAMBAHKAN JAM KERJA LEMBUR SEBANYAK 3 JAM DALAM SATU HARI

No	PEKERJAAN	TENAGA KERJA	JUMLAH SDM (oh)	DURASI (HARI)	CRASH DURATION	UPAH KERJA NORMAL	UPAH LEMBUR KE - 1	UPAH LEMBUR KE - 2	UPAH LEMBUR KE - 3	TOTAL UPAH PER HARI	TOTAL COST LEMBUR	CRASH COST	NORMAL COST	COST SLOPE/HARI	TOTAL COST SLOPE
<i>PONDASI</i>															
5	Pemadatan Tanah	Pekerja	4.500	3	2.38	Rp 95,000.00	Rp19,767.60	Rp26,356.80	Rp26,356.80	Rp167,481.20	Rp 2,362,330.80	Rp 2,859,663.60	Rp 1,552,500.00	Rp2,094,813.46	Rp 1,307,163.60
		Mandor	0.750			Rp120,000.00	Rp24,969.60	Rp33,292.80	Rp33,292.80	Rp211,555.20	Rp 497,332.80				
TOTAL CRASH COST PEKERJAAN PEMADATAN TANAH											Rp 2,859,663.60				

PERHITUNGAN ALTERNATIF PERCEPATAN DENGAN MENAMBAHKAN JAM KERJA LEMBUR SEBANYAK 3 JAM DALAM SATU HARI

No	PEKERJAAN	TENAGA KERJA	JUMLAH SDM (oh)	DURASI (HARI)	CRASH DURATION	UPAH KERJA NORMAL	UPAH LEMBUR KE - 1	UPAH LEMBUR KE - 2	UPAH LEMBUR KE - 3	TOTAL UPAH PER HARI	TOTAL COST LEMBUR	CRASH COST	NORMAL COST	COST SLOPE/HARI	TOTAL COST SLOPE
<i>STRUKTUR</i>															



1	Pondasi Plat Setempat 6 Titik Ø8 & Ø6	Pekerja	0.204	12	9.50	Rp 95,000.00	Rp19,767.60	Rp26,356.80	Rp26,356.80	Rp167,481.20	Rp 535,461.65	Rp 933,576.55	Rp 405,468.00	Rp 211,662.56	Rp 528,108.55
		Tukang Batu	0.011			Rp105,000.00	Rp21,848.40	Rp29,131.20	Rp29,131.20	Rp185,110.80	Rp 31,912.19				
		Tukang Besi	0.048			Rp105,000.00	Rp21,848.40	Rp29,131.20	Rp29,131.20	Rp185,110.80	Rp 139,253.18				
		Tukang Kayu	0.042			Rp105,000.00	Rp21,848.40	Rp29,131.20	Rp29,131.20	Rp185,110.80	Rp 121,846.54				
		Kepala Tukang	0.008			Rp110,000.00	Rp22,888.80	Rp30,518.40	Rp30,518.40	Rp193,925.60	Rp 25,529.75				
		Mandor	0.024			Rp120,000.00	Rp24,969.60	Rp33,292.80	Rp33,292.80	Rp211,555.20	Rp 79,573.25				
		TOTAL CRASH COST PEKERJAAN PONDASI PLAT SETEMPAT 6 TITIK Ø8 & Ø6													

PERHITUNGAN ALTERNATIF PERCEPATAN DENGAN MENAMBAHKAN JAM KERJA LEMBUR SEBANYAK 3 JAM DALAM SATU HARI

No	PEKERJAAN	TENAGA KERJA	JUMLAH SDM (oh)	DURASI (HARI)	CRASH DURATION	UPAH KERJA NORMAL	UPAH LEMBUR KE -1	UPAH LEMBUR KE - 2	UPAH LEMBUR KE - 3	TOTAL UPAH PER HARI	TOTAL COST LEMBUR	CRASH COST	NORMAL COST	COST SLOPE/HARI	TOTAL COST SLOPE
<u>STRUKTUR</u>															
2	Sloof Ø8 & Ø6	Pekerja	0.919	6	4.75	Rp 95,000.00	Rp19,767.60	Rp26,356.80	Rp26,356.80	Rp167,481.20	Rp 1,205,773.01	Rp 1,961,028.13	Rp 851,707.50	Rp 889,217.33	Rp 1,109,320.63
		Tukang Batu	0.046			Rp105,000.00	Rp21,848.40	Rp29,131.20	Rp29,131.20	Rp185,110.80	Rp 66,000.21				
		Tukang Besi	0.219			Rp105,000.00	Rp21,848.40	Rp29,131.20	Rp29,131.20	Rp185,110.80	Rp 317,308.69				
		Tukang Kayu	0.184			Rp105,000.00	Rp21,848.40	Rp29,131.20	Rp29,131.20	Rp185,110.80	Rp 266,539.30				
		Kepala Tukang	0.035			Rp110,000.00	Rp22,888.80	Rp30,518.40	Rp30,518.40	Rp193,925.60	Rp 53,186.98				
		Mandor	0.032			Rp120,000.00	Rp24,969.60	Rp33,292.80	Rp33,292.80	Rp211,555.20	Rp 52,219.94				
		TOTAL CRASH COST PEKERJAAN SLOOF Ø8 & Ø6													

PERHITUNGAN ALTERNATIF PERCEPATAN DENGAN MENAMBAHKAN JAM KERJA LEMBUR SEBANYAK 3 JAM DALAM SATU HARI

No	PEKERJAAN	TENAGA KERJA	JUMLAH SDM (oh)	DURASI (HARI)	CRASH DURATION	UPAH KERJA NORMAL	UPAH LEMBUR KE -1	UPAH LEMBUR KE - 2	UPAH LEMBUR KE - 3	TOTAL UPAH PER HARI	TOTAL COST LEMBUR	CRASH COST	NORMAL COST	COST SLOPE/HARI	TOTAL COST SLOPE
<u>STRUKTUR</u>															
3	Kolom Ø10 & Ø6	Pekerja	0.764	12	9.50	Rp 95,000.00	Rp19,767.60	Rp26,356.80	Rp26,356.80	Rp167,481.20	Rp 2,004,262.70	Rp 3,379,044.82	Rp 1,467,576.00	Rp 766,104.57	Rp 1,911,468.82

	Tukang Batu	0.039			Rp105,000.00	Rp21,848.40	Rp29,131.20	Rp29,131.20	Rp185,110.80	Rp113,022.33				
	Tukang Besi	0.203			Rp105,000.00	Rp21,848.40	Rp29,131.20	Rp29,131.20	Rp185,110.80	Rp587,716.13				
	Tukang Kayu	0.173			Rp105,000.00	Rp21,848.40	Rp29,131.20	Rp29,131.20	Rp185,110.80	Rp501,819.16				
	Kepala Tukang	0.031			Rp110,000.00	Rp22,888.80	Rp30,518.40	Rp30,518.40	Rp193,925.60	Rp94,723.48				
	Mandor	0.023			Rp120,000.00	Rp24,969.60	Rp33,292.80	Rp33,292.80	Rp211,555.20	Rp77,501.03				
TOTAL CRASH COST PEKERJAAN KOLOM Ø10 & Ø6										Rp3,379,044.82				

PERHITUNGAN ALTERNATIF PERCEPATAN DENGAN MENAMBAHKAN JAM KERJA LEMBUR SEBANYAK 3 JAM DALAM SATU HARI

No	PEKERJAAN	TENAGA KERJA	JUMLAH SDM (oh)	DURASI (HARI)	CRASH DURATION	UPAH KERJA NORMAL	UPAH LEMBUR KE -1	UPAH LEMBUR KE - 2	UPAH LEMBUR KE - 3	TOTAL UPAH PER HARI	TOTAL COST LEMBUR	CRASH COST	NORMAL COST	COST SLOPE/HARI	TOTAL COST SLOPE
<i>DINDING</i>															
1	Pasangan Dinding Bata Ringan t = 10cm	Pekerja	3.533	15	11.88	Rp 95,000.00	Rp19,767.60	Rp26,356.80	Rp26,356.80	Rp167,481.20	Rp11,129,202.88	Rp17,408,416.29	Rp7,875,800.00	Rp3,056,489.67	Rp9,532,616.29
		Tukang Batu	1.413			Rp105,000.00	Rp21,848.40	Rp29,131.20	Rp29,131.20	Rp185,110.80	Rp4,920,279.17				
		Kepala Tukang	0.141			Rp110,000.00	Rp22,888.80	Rp30,518.40	Rp30,518.40	Rp193,925.60	Rp515,457.82				
		Mandor	0.212			Rp120,000.00	Rp24,969.60	Rp33,292.80	Rp33,292.80	Rp211,555.20	Rp843,476.43				
TOTAL CRASH COST PEKERJAAN PASANGAN DINIDNG BATA RINGAN											Rp17,408,416.29				

PERHITUNGAN ALTERNATIF PERCEPATAN DENGAN MENAMBAHKAN JAM KERJA LEMBUR SEBANYAK 3 JAM DALAM SATU HARI

No	PEKERJAAN	TENAGA KERJA	JUMLAH SDM (oh)	DURASI (HARI)	CRASH DURATION	UPAH KERJA NORMAL	UPAH LEMBUR KE -1	UPAH LEMBUR KE - 2	UPAH LEMBUR KE - 3	TOTAL UPAH PER HARI	TOTAL COST LEMBUR	CRASH COST	NORMAL COST	COST SLOPE/HARI	TOTAL COST SLOPE
<i>DINDING</i>															
2	Pasangan Plester Dinding + Aci Dinding	Pekerja	4.917	15	11.88	Rp 95,000.00	Rp19,767.60	Rp26,356.80	Rp26,356.80	Rp167,481.20	Rp15,486,390.80	Rp24,223,975.50	Rp10,959,250.00	Rp4,253,134.21	Rp13,264,725.50
		Tukang Batu	1.967			Rp105,000.00	Rp21,848.40	Rp29,131.20	Rp29,131.20	Rp185,110.80	Rp6,846,614.88				
		Kepala Tukang	0.197			Rp110,000.00	Rp22,888.80	Rp30,518.40	Rp30,518.40	Rp193,925.60	Rp717,264.42				
		Mandor	0.295			Rp120,000.00	Rp24,969.60	Rp33,292.80	Rp33,292.80	Rp211,555.20	Rp1,173,705.41				
TOTAL CRASH COST PEKERJAAN PASANGAN PLESTER DINDING + ACI DINDING											Rp24,223,975.50				

PERHITUNGAN ALTERNATIF PERCEPATAN DENGAN MENAMBAHKAN JAM KERJA LEMBUR SEBANYAK 3 JAM DALAM SATU HARI

No	PEKERJAAN	TENAGA KERJA	JUMLAH SDM (oh)	DURASI (HARI)	CRASH DURATION	UPAH KERJA NORMAL	UPAH LEMBUR KE -1	UPAH LEMBUR KE - 2	UPAH LEMBUR KE - 3	TOTAL UPAH PER HARI	TOTAL COST LEMBUR	CRASH COST	NORMAL COST	COST SLOPE/HARI	TOTAL COST SLOPE
<i>LANTAI</i>															
1	Lantai Kerja	Pekerja	0.900	5	3.96	Rp 95,000.00	Rp19,767.60	Rp26,356.80	Rp26,356.80	Rp167,481.20	Rp 944,932.32	Rp 1,541,731.68	Rp 697,500.00	Rp 812,070.47	Rp 844,231.68
		Mandor	0.450			Rp120,000.00	Rp24,969.60	Rp33,292.80	Rp33,292.80	Rp211,555.20	Rp 596,799.36				
TOTAL CRASH COST PEKERJAAN LANTAI KERJA											Rp 1,541,731.68				

PERHITUNGAN ALTERNATIF PERCEPATAN DENGAN MENAMBAHKAN JAM KERJA LEMBUR SEBANYAK 3 JAM DALAM SATU HARI

No	PEKERJAAN	TENAGA KERJA	JUMLAH SDM (oh)	DURASI (HARI)	CRASH DURATION	UPAH KERJA NORMAL	UPAH LEMBUR KE -1	UPAH LEMBUR KE - 2	UPAH LEMBUR KE - 3	TOTAL UPAH PER HARI	TOTAL COST LEMBUR	CRASH COST	NORMAL COST	COST SLOPE/HARI	TOTAL COST SLOPE
<i>LANTAI</i>															
2	Pasangan Granit HT 60X60cm	Pekerja	2.957	7	5.54	Rp 95,000.00	Rp19,767.60	Rp26,356.80	Rp26,356.80	Rp167,481.20	Rp 4,657,166.43	Rp 7,128,732.83	Rp 3,010,125.00	Rp 2,829,791.78	Rp 4,118,607.83
		Tukang Batu	1.232			Rp105,000.00	Rp21,848.40	Rp29,131.20	Rp29,131.20	Rp185,110.80	Rp 2,144,747.70				
		Kepala Tukang	0.099			Rp110,000.00	Rp22,888.80	Rp30,518.40	Rp30,518.40	Rp193,925.60	Rp 179,750.28				
		Mandor	0.074			Rp120,000.00	Rp24,969.60	Rp33,292.80	Rp33,292.80	Rp211,555.20	Rp 147,068.41				
TOTAL CRASH COST PEKERJAAN GRANIT HT 60x60cm											Rp 7,128,732.83				

PERHITUNGAN ALTERNATIF PERCEPATAN DENGAN MENAMBAHKAN JAM KERJA LEMBUR SEBANYAK 3 JAM DALAM SATU HARI

No	PEKERJAAN	TENAGA KERJA	JUMLAH SDM (oh)	DURASI (HARI)	CRASH DURATION	UPAH KERJA NORMAL	UPAH LEMBUR KE -1	UPAH LEMBUR KE - 2	UPAH LEMBUR KE - 3	TOTAL UPAH PER HARI	TOTAL COST LEMBUR	CRASH COST	NORMAL COST	COST SLOPE/HARI	TOTAL COST SLOPE
<i>PINTU &amp; JENDELA</i>															
1	Pasangan Kusen Alumunium Pintu + Jendela 4 inch	Pekerja	3.675	3	2.38	Rp 95,000.00	Rp19,767.60	Rp26,356.80	Rp26,356.80	Rp167,481.20	Rp 2,893,855.23	Rp 7,026,483.58	Rp 2,543,100.00	Rp 7,187,646.69	Rp 4,483,383.58
		Tukang Besi	3.675			Rp105,000.00	Rp21,848.40	Rp29,131.20	Rp29,131.20	Rp185,110.80	Rp 3,198,471.57				

Kepala Tukang	0.490	Rp110,000.00	Rp22,888.80	Rp30,518.40	Rp30,518.40	Rp193,925.60	Rp446,770.63
Mandor	0.490	Rp120,000.00	Rp24,969.60	Rp33,292.80	Rp33,292.80	Rp211,555.20	Rp487,386.14
TOTAL CRASH COST PEKERJAAN PASANGAN KUSEN ALUMUNIUM PINTU + JENDELA 4 inch							Rp7,026,483.58

PERHITUNGAN ALTERNATIF PERCEPATAN DENGAN MENAMBAHKAN JAM KERJA LEMBUR SEBANYAK 3 JAM DALAM SATU HARI

No	PEKERJAAN	TENAGA KERJA	JUMLAH SDM (oh)	DURASI (HARI)	CRASH DURATION	UPAH KERJA NORMAL	UPAH LEMBUR KE -1	UPAH LEMBUR KE - 2	UPAH LEMBUR KE - 3	TOTAL UPAH PER HARI	TOTAL COST LEMBUR	CRASH COST	NORMAL COST	COST SLOPE/HARI	TOTAL COST SLOPE
<u>AKSESORIS PINTU DAN JENDELA</u>															
1	Engsel Jendela 2 Unit/Jendela	Pekerja	0.750	2	1.58	Rp 95,000.00	Rp19,767.60	Rp26,356.80	Rp26,356.80	Rp167,481.20	Rp393,721.80	Rp642,388.20	Rp232,500.00	Rp985,683.53	Rp409,888.20
		Mandor	0.375			Rp120,000.00	Rp24,969.60	Rp33,292.80	Rp33,292.80	Rp211,555.20	Rp248,666.40				
TOTAL CRASH COST PEKERJAAN ENGSEL JENDELA 2 UNIT/JENDELA											Rp642,388.20				

PERHITUNGAN ALTERNATIF PERCEPATAN DENGAN MENAMBAHKAN JAM KERJA LEMBUR SEBANYAK 3 JAM DALAM SATU HARI

No	PEKERJAAN	TENAGA KERJA	JUMLAH SDM (oh)	DURASI (HARI)	CRASH DURATION	UPAH KERJA NORMAL	UPAH LEMBUR KE -1	UPAH LEMBUR KE - 2	UPAH LEMBUR KE - 3	TOTAL UPAH PER HARI	TOTAL COST LEMBUR	CRASH COST	NORMAL COST	COST SLOPE/HARI	TOTAL COST SLOPE
<u>PENGECATAN</u>															
1	Dinding Dalam	Pekerja	0.602	9	7.13	Rp 95,000.00	Rp19,767.60	Rp26,356.80	Rp26,356.80	Rp167,481.20	Rp1,105,483.32	Rp3,017,775.52	Rp1,404,290.00	Rp862,233.00	Rp1,613,485.52
		Tukang Cat	0.802			Rp105,000.00	Rp21,848.40	Rp29,131.20	Rp29,131.20	Rp185,110.80	Rp1,629,133.31				
		Kepala Tukang	0.100			Rp110,000.00	Rp22,888.80	Rp30,518.40	Rp30,518.40	Rp193,925.60	Rp213,338.89				
		Mandor	0.030			Rp120,000.00	Rp24,969.60	Rp33,292.80	Rp33,292.80	Rp211,555.20	Rp69,820.00				
TOTAL CRASH COST PEKERJAAN PENGECEPATAN DINDING DALAM											Rp3,017,775.52				

Lampiran 13 Hasil Analisis Alternatif Percepatan Pemberlakuan Sistem 2 Shift Kerja Dalam Satu Hari

PERHITUNGAN ALTERNATIF PERCEPATAN PEMBERLAKUKAN SISTEM KERJA <i>SHIFT</i> SEBANYAK 2 <i>SHIFT</i> DALAM SATU HARI																	
N o.	PEKERJAN	SATUAN	VOLUME	TENAGA KERJA	KOEFISIEN	JUMLAH SDM (oh)	DURASI (HARI)	CRASH DURATION	PRODUKTIVITAS NORMAL	PRODUKTIVITAS SHIFT KERJA	UPAH KERJA NORMAL	UPAH SHIFT KERJA	TOTAL UPAH SHIFT KERJA	CRASH COST	NORMAL COST	COST SLOPE/HARI	TOTAL COST SLOPE
<i>PONDASI</i>																	
1	Bowplank	M'	48.30	Pekerja	0.100	1.610	3	1.5	10.000	20.000	Rp72.000.00	Rp144.000.00	Rp 347.760.000	Rp 786.807.000	Rp 1.048.110.000	Rp -174.202.00	-Rp 261.303.00
				Tukang Kayu	0.100	1.610			10.000	20.000	Rp78.000.00	Rp156.000.00	Rp 376.740.000				
				Kepala Tukang	0.010	0.161			100.000	200.000	Rp84.000.00	Rp168.000.00	Rp 40.572.000				
				Mandor	0.005	0.081			200.000	400.000	Rp90.000.00	Rp180.000.00	Rp 21.735.000				
TOTAL CRASH COST PEKERJAAN BOWPLANK													Rp 786.807.000				

PERHITUNGAN ALTERNATIF PERCEPATAN PEMBERLAKUKAN SISTEM KERJA <i>SHIFT</i> SEBANYAK 2 <i>SHIFT</i> DALAM SATU HARI																	
No	PEKERJAN	SATUAN	VOLUME	TENAGA KERJA	KOEFISIEN	JUMLAH SDM (oh)	DURASI (HARI)	CRASH DURATION	PRODUKTIVITAS NORMAL	PRODUKTIVITAS SHIFT KERJA	UPAH KERJA NORMAL	UPAH SHIFT KERJA	TOTAL UPAH SHIFT KERJA	CRASH COST	NORMAL COST	COST SLOPE/HARI	TOTAL COST SLOPE
<i>PONDASI</i>																	
2	Galian Pondasi	M3	8.40	Pekerja	0.300	0.280	9	4.5	3.333	6.667	Rp72.000.00	Rp144.000.00	Rp 181.440.000	Rp 219.240.000	Rp 289.800.000	-Rp 15.680.00	-Rp 70.560.00
				Mandor	0.050	0.047			20.000	40.000	Rp90.000.00	Rp180.000.00	Rp 37.800.000				
TOTAL CRASH COST PEKERJAAN GALIAN PONDASI													Rp 219.240.000				

PERHITUNGAN ALTERNATIF PERCEPATAN PEMBERLAKUKAN SISTEM KERJA *SHIFT* SEBANYAK 2 *SHIFT* DALAM SATU HARI

No	PEKERJAN	SATUAN	VOLUME	TENAGA KERJA	KOEFISIEN	JUMLAH SDM (oh)	DURASI (HARI)	CRASH DURASI	PRODUKTIVITAS NORMAL	PRODUKTIVITAS SHIFT KERJA	UPAH KERJA NORMAL	UPAH SHIFT KERJA	TOTAL UPAH SHIFT KERJA	CRASH COST	NORMAL COST	COST SLOPE/HARI	TOTAL COST SLOPE	
<i>PONDASI</i>																		
4	Timbungan Galian Kembali	M3	7.20	Pekerja	0.300	0.540	4	2	3.333	6.667	Rp72,000.00	Rp144,000.00	Rp155,520.000	Rp187,920.000	Rp248,400.000	-Rp30,240.00	-Rp60,480.00	
				Mandor	0.050	0.090			20.000	40.000	Rp90,000.00	Rp180,000.00	Rp32,400.000					
TOTAL CRASH COST PEKERJAAN TIMBUNAN GALIAN KEMBALI													Rp187,920.000					
PERHITUNGAN ALTERNATIF PERCEPATAN PEMBERLAKUKAN SISTEM KERJA <i>SHIFT</i> SEBANYAK 2 <i>SHIFT</i> DALAM SATU HARI																		
N o.	PEKERJAN	SATUAN	VOLUME	TENAGA KERJA	KOEFISIEN	JUMLAH SDM (oh)	DURASI (HARI)	CRASH DURASI	PRODUKTIVITAS NORMAL	PRODUKTIVITAS SHIFT KERJA	UPAH KERJA NORMAL	UPAH SHIFT KERJA	TOTAL UPAH SHIFT KERJA	CRASH COST	NORMAL COST	COST SLOPE/HARI	TOTAL COST SLOPE	
<i>PONDASI</i>																		
5	Pemadatan Tanah	M2	45.00	Pekerja	0.300	4.500	3	1.5	3.333	6.667	Rp72,000.00	Rp144,000.00	Rp972,000.000	Rp1,174,500.000	Rp1,552,500.000	-Rp252,000.00	-Rp378,000.00	
				Mandor	0.050	0.750			20.000	40.000	Rp90,000.00	Rp180,000.00	Rp202,500.000					
TOTAL CRASH COST PEKERJAAN PASANGAN PONDASI PEMADATAN TANAH													Rp1,174,500.000					
PERHITUNGAN ALTERNATIF PERCEPATAN PEMBERLAKUKAN SISTEM KERJA <i>SHIFT</i> SEBANYAK 2 <i>SHIFT</i> DALAM SATU HARI																		
N o.	PEKERJAN	SATUAN	VOLUME	TENAGA KERJA	KOEFISIEN	JUMLAH SDM (oh)	DURASI (HARI)	CRASH DURASI	PRODUKTIVITAS NORMAL	PRODUKTIVITAS SHIFT KERJA	UPAH KERJA NORMAL	UPAH SHIFT KERJA	TOTAL UPAH SHIFT KERJA	CRASH COST	NORMAL COST	COST SLOPE/HARI	TOTAL COST SLOPE	
<i>STRUKTUR</i>																		
1	Pondasi Plat Setempat 6 Titik Ø8 & Ø6	M3	0.48	Pekerja	5.100	0.204	12	6	0.196	0.392	Rp72,000.00	Rp144,000.00	Rp176,256.000	Rp305,179.200	Rp405,468.000	-Rp16,714.80	-Rp100,288.80	
				Tukang Batu	0.275	0.011			3.636	7.273	Rp78,000.00	Rp156,000.00	Rp10,296.000					
				Tukang Besi	1.200	0.048			0.833	1.667	Rp78,000.00	Rp156,000.00	Rp44,928.000					
				Tukang Kayu	1.050	0.042			0.952	1.905	Rp78,000.00	Rp156,000.00	Rp39,312.000					

Kepala Tukang	0.210	0.008	4.762	9.524	Rp84,000.00	Rp168,000.00	Rp 8,467.200
Mandor	0.600	0.024	1.667	3.333	Rp90,000.00	Rp180,000.00	Rp 25,920.000
TOTAL CRASH COST PEKERJAAN PONDASI PLAT SETEMPAT 6 TITIK Ø8 & Ø6							Rp 305,179.200

PERHITUNGAN ALTERNATIF PERCEPATAN PEMBERLAKUKAN SISTEM KERJA *SHIFT* SEBANYAK 2 *SHIFT* DALAM SATU HARI

N o.	PEKERJAN	SATUAN	VOLUME	TENAGA KERJA	KOEFISIEN	JUMLAH SDM (oh)	DURASI (HARI)	CRASH DURATION	PRODUKTIVITAS NORMAL	PRODUKTIVITAS SHIFT KERJA	UPAH KERJA NORMAL	UPAH SHIFT KERJA	TOTAL UPAH SHIFT KERJA	CRASH COST	NORMAL COST	COST SLOPE/HARI	TOTAL COST SLOPE	
<i>STRUKTUR</i>																		
2	Sloof Ø8 & Ø6	M3	1.05	Pekerja	5.250	0.919	6	3	0.190	0.381	Rp72,000.00	Rp144,000.00	Rp 396,900.000	Rp 641,214.000	Rp 851,707.500	-Rp 70,164.50	-Rp 210,493.50	
				Tukang Batu	0.260	0.046			3.846	7.692	Rp78,000.00	Rp156,000.00	Rp 21,294.000					
				Tukang Besi	1.250	0.219			0.800	1.600	Rp78,000.00	Rp156,000.00	Rp 102,375.000					
				Tukang Kayu	1.050	0.184			0.952	1.905	Rp78,000.00	Rp156,000.00	Rp 85,995.000					
				Kepala Tukang	0.200	0.035			5.000	10.000	Rp84,000.00	Rp168,000.00	Rp 17,640.000					
				Mandor	0.180	0.032			5.556	11.111	Rp90,000.00	Rp180,000.00	Rp 17,010.000					
TOTAL CRASH COST PEKERJAAN SLOOF Ø8 & Ø6													Rp 641,214.000					

PERHITUNGAN ALTERNATIF PERCEPATAN PEMBERLAKUKAN SISTEM KERJA *SHIFT* SEBANYAK 2 *SHIFT* DALAM SATU HARI

N o.	PEKERJAN	SATUAN	VOLUME	TENAGA KERJA	KOEFISIEN	JUMLAH SDM (oh)	DURASI (HARI)	CRASH DURATION	PRODUKTIVITAS NORMAL	PRODUKTIVITAS SHIFT KERJA	UPAH KERJA NORMAL	UPAH SHIFT KERJA	TOTAL UPAH SHIFT KERJA	CRASH COST	NORMAL COST	COST SLOPE/HARI	TOTAL COST SLOPE
<i>STRUKTUR</i>																	
3	Kolom Ø10 & Ø6	M3	1.87	Pekerja	4.900	0.764	12	6	0.204	0.408	Rp72,000.00	Rp144,000.00	Rp 659,736.000	Rp1,104,384.600	Rp 1,467,576.000	-Rp 60,531.90	-Rp 363,191.40
				Tukang Batu	0.250	0.039			4.000	8.000	Rp78,000.00	Rp156,000.00	Rp 36,465.000				
				Tukang Besi	1.300	0.203			0.769	1.538	Rp78,000.00	Rp156,000.00	Rp 189,618.000				
				Tukang Kayu	1.110	0.173			0.901	1.802	Rp78,000.00	Rp156,000.00	Rp 161,904.600				

	Kepala Tukang	0.200	0.031		5.000	10.000	Rp84,000.00	Rp168,000.00	Rp	31,416.000	
	Mandor	0.150	0.023		6.667	13.333	Rp90,000.00	Rp180,000.00	Rp	25,245.000	
TOTAL CRASH COST PEKERJAAN KOLOM Ø10 & Ø6										Rp	1,104,384.600

PERHITUNGAN ALTERNATIF PERCEPATAN PEMBERLAKUKAN SISTEM KERJA *SHIFT* SEBANYAK 2 *SHIFT* DALAM SATU HARI

N o.	PEKERJAN	SATUAN	VOLUME	TENAGA KERJA	KOEFISIEN	JUMLAH SDM (oh)	DURASI (HARI)	CRASH DURATION	PRODUKTIVITAS NORMAL	PRODUKTIVITAS SHIFT KERJA	UPAH KERJA NORMAL	UPAH SHIFT KERJA	TOTAL UPAH SHIFT KERJA	CRASH COST	NORMAL COST	COST SLOPE/HARI	TOTAL COST SLOPE			
<i>DINDING</i>																				
1	Pasangan Dinding Bata Ringan t = 10cm	M2	212.00	Pekerja	0.250	3.533	15	7.5	4.000	8.000	Rp72,000.00	Rp144,000.00	Rp	3,816,000.000	Rp5,933,880.000	Rp	7,875,800.000	Rp258,922.67	-Rp	1,941,920.00
				Tukang Batu	0.100	1.413			10.000	20.000	Rp78,000.00	Rp156,000.00	Rp	1,653,600.000						
				Kepala Tukang	0.010	0.141			100.000	200.000	Rp84,000.00	Rp168,000.00	Rp	178,080.000						
				Mandor	0.015	0.212			66.667	133.333	Rp90,000.00	Rp180,000.00	Rp	286,200.000						
TOTAL CRASH COST PEKERJAAN PASANGAN DINDING BATA RINGAN t = 10 cm													Rp	5,933,880.000						

PERHITUNGAN ALTERNATIF PERCEPATAN PEMBERLAKUKAN SISTEM KERJA *SHIFT* SEBANYAK 2 *SHIFT* DALAM SATU HARI

N o.	PEKERJAN	SATUAN	VOLUME	TENAGA KERJA	KOEFISIEN	JUMLAH SDM (oh)	DURASI (HARI)	CRASH DURATION	PRODUKTIVITAS NORMAL	PRODUKTIVITAS SHIFT KERJA	UPAH KERJA NORMAL	UPAH SHIFT KERJA	TOTAL UPAH SHIFT KERJA	CRASH COST	NORMAL COST	COST SLOPE/HARI	TOTAL COST SLOPE			
<i>DINDING</i>																				
2	Pasangan Plester Dinding + Aci Dinding	M2	295.00	Pekerja	0.250	4.917	15	7.5	4.000	8.000	Rp72,000.00	Rp144,000.00	Rp	5,310,000.000	Rp8,257,050.000	##### ###	-	Rp360,293.33	-Rp	2,702,200.00
				Tukang Batu	0.100	1.967			10.000	20.000	Rp78,000.00	Rp156,000.00	Rp	2,301,000.000						
				Kepala Tukang	0.010	0.197			100.000	200.000	Rp84,000.00	Rp168,000.00	Rp	247,800.000						
				Mandor	0.015	0.295			66.667	133.333	Rp90,000.00	Rp180,000.00	Rp	398,250.000						
TOTAL CRASH COST PEKERJAAN PASANGAN PLESTER DINDING + ACI DINDING													Rp	8,257,050.000						



PERHITUNGAN ALTERNATIF PERCEPATAN PEMBERLAKUKAN SISTEM KERJA *SHIFT* SEBANYAK 2 *SHIFT* DALAM SATU HARI

N o.	PEKERJAN	SATUAN	VOLUME	TENAGA KERJA	KOEFISIEN	JUMLAH SDM (oh)	DURASI (HARI)	CRASH DURATION	PRODUKTIVITAS NORMAL	PRODUKTIVITAS SHIFT KERJA	UPAH KERJA NORMAL	UPAH SHIFT KERJA	TOTAL UPAH SHIFT KERJA	CRASH COST	NORMAL COST	COST SLOPE/HARI	TOTAL COST SLOPE	
<i>LANTAI</i>																		
1	Lantai Kerja	M2	45.00	Pekerja	0.100	0.900	5	2.5	10.000	20.000	Rp72.000.00	Rp144.000.00	Rp324.000.000	Rp526.500.000	Rp697.500.000	-Rp68.400.00	-Rp171.000.00	
				Mandor	0.050	0.450			20.000	40.000	Rp90.000.00	Rp180.000.00	Rp202.500.000					
TOTAL CRASH COST PEKERJAAN LANTAI KERJA													Rp526.500.000					

PERHITUNGAN ALTERNATIF PERCEPATAN PEMBERLAKUKAN SISTEM KERJA *SHIFT* SEBANYAK 2 *SHIFT* DALAM SATU HARI

N o.	PEKERJAN	SATUAN	VOLUME	TENAGA KERJA	KOEFISIEN	JUMLAH SDM (oh)	DURASI (HARI)	CRASH DURATION	PRODUKTIVITAS NORMAL	PRODUKTIVITAS SHIFT KERJA	UPAH KERJA NORMAL	UPAH SHIFT KERJA	TOTAL UPAH SHIFT KERJA	CRASH COST	NORMAL COST	COST SLOPE/HARI	TOTAL COST SLOPE	
<i>LANTAI</i>																		
2	Pasangan Granit HT 60X60cm	M2	34.50	Pekerja	0.600	2.957	7	3.5	1.667	3.333	Rp72.000.00	Rp144.000.00	Rp1.490.400.000	Rp2.267.685.000	Rp3.010.125.000	-Rp212.125.71	-Rp742.440.00	
				Tukang Batu	0.250	1.232			4.000	8.000	Rp78.000.00	Rp156.000.00	Rp672.750.000					
				Kepala Tukang	0.020	0.099			50.000	100.000	Rp84.000.00	Rp168.000.00	Rp57.960.000					
				Mandor	0.015	0.074			66.667	133.333	Rp90.000.00	Rp180.000.00	Rp46.575.000					
TOTAL CRASH COST PEKERJAAN PASANGAN GRANIT HT 60x60cm													Rp2.267.685.000					

PERHITUNGAN ALTERNATIF PERCEPATAN PEMBERLAKUKAN SISTEM KERJA *SHIFT* SEBANYAK 2 *SHIFT* DALAM SATU HARI

No.	PEKERJAN	SATUAN	VOLUME	TENAGA KERJA	KOEFISIEN	JUMLAH SDM (oh)	DURASI (HARI)	CRASH DURASI	PRODUKTIVITAS NORMAL	PRODUKTIVITAS SHIFT KERJA	UPAH KERJA NORMAL	UPAH SHIFT KERJA	TOTAL UPAH SHIFT KERJA	CRASH COST	NORMAL COST	COST SLOPE/HARI	TOTAL COST SLOPE
<i>PINTU &amp; JENDELA</i>																	
1	Pasangan Kusen Aluminium Pintu + Jendela 4 inch	M'	73.50	Pekerja	0.150	3.675	3	1.5	6.667	13.333	Rp72,000.00	Rp144,000.00	Rp793,800.000	Rp1,909,530.000	Rp2,543,100.000	-	-Rp633,570.00
				Tukang Besi	0.150	3.675			6.667	13.333	Rp78,000.00	Rp156,000.00	Rp859,950.000				
				Kepala Tukang	0.020	0.490			50.000	100.000	Rp84,000.00	Rp168,000.00	Rp123,480.000				
				Mandor	0.020	0.490			50	100.000	Rp90,000.00	Rp180,000.00	Rp132,300.000				
TOTAL CRASH COST PEKERJAAN PASANGAN KUSEN ALUMINIUM PINTU + JENDELA 4 inch																	

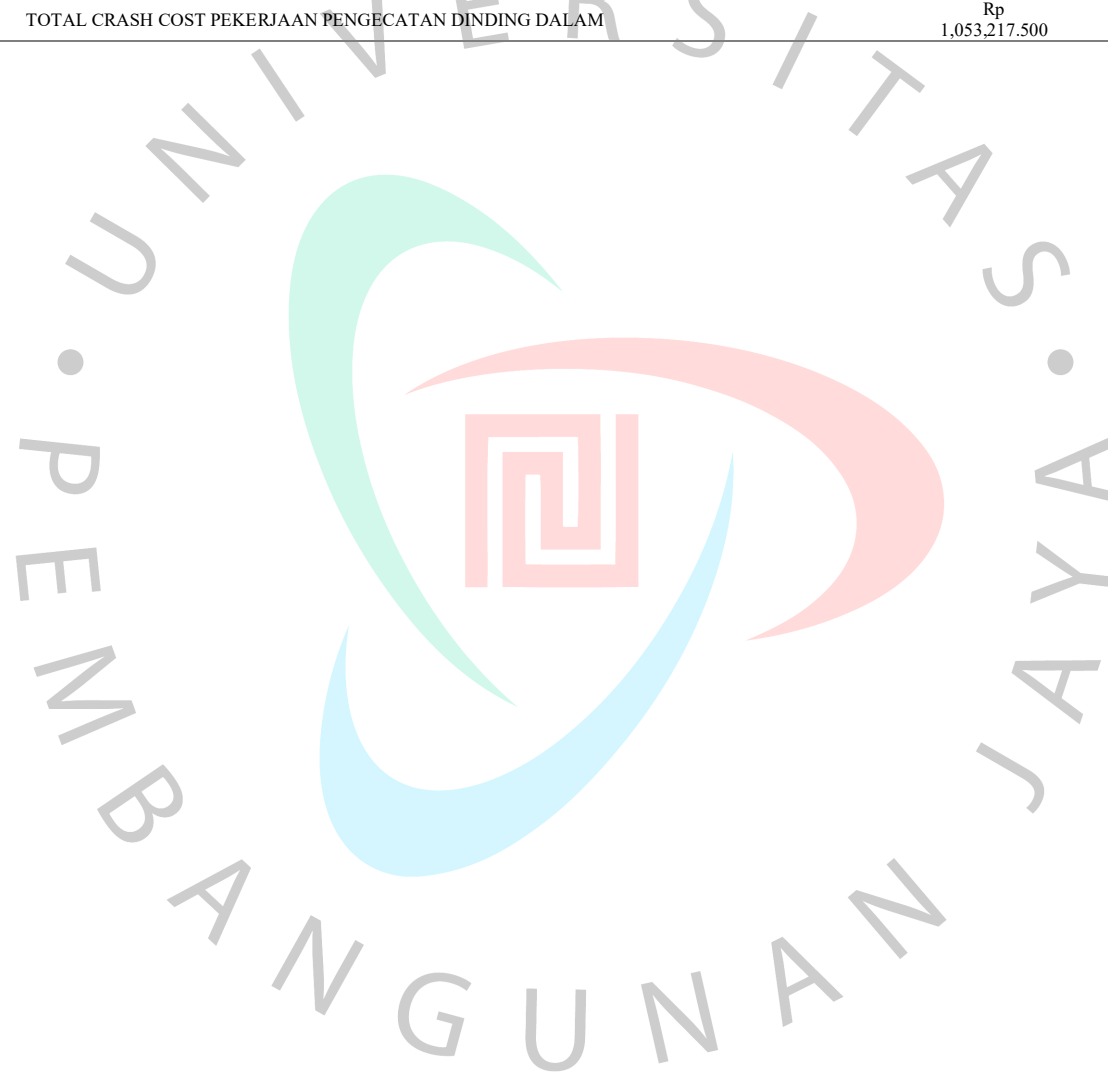
PERHITUNGAN ALTERNATIF PERCEPATAN PEMBERLAKUKAN SISTEM KERJA *SHIFT* SEBANYAK 2 *SHIFT* DALAM SATU HARI

No.	PEKERJAN	SATUAN	VOLUME	TENAGA KERJA	KOEFISIEN	JUMLAH SDM (oh)	DURASI (HARI)	CRASH DURASI	PRODUKTIVITAS NORMAL	PRODUKTIVITAS SHIFT KERJA	UPAH KERJA NORMAL	UPAH SHIFT KERJA	TOTAL UPAH SHIFT KERJA	CRASH COST	NORMAL COST	COST SLOPE/HARI	TOTAL COST SLOPE
<i>AKSESORIS PINTU DAN JENDELA</i>																	
1	Engsel Jendela 2 Unit/Jendela	Unit	10.00	Pekerja	0.150	0.750	2	1	6.667	13.333	Rp72,000.00	Rp144,000.00	Rp108,000.000	Rp175,500.000	Rp232,500.000	-Rp57,000.00	-Rp57,000.00
				Mandor	0.075	0.375			13.333	26.667	Rp90,000.00	Rp180,000.00	Rp67,500.000				
TOTAL CRASH COST PEKERJAAN ENGSEL JENDELA 2 UNIT/JENDELA																	

PERHITUNGAN ALTERNATIF PERCEPATAN PEMBERLAKUKAN SISTEM KERJA *SHIFT* SEBANYAK 2 *SHIFT* DALAM SATU HARI

No.	PEKERJAN	SATUAN	VOLUME	TENAGA KERJA	KOEFISIEN	JUMLAH SDM (oh)	DURASI (HARI)	CRASH DURASI	PRODUKTIVITAS NORMAL	PRODUKTIVITAS SHIFT KERJA	UPAH KERJA NORMAL	UPAH SHIFT KERJA	TOTAL UPAH SHIFT KERJA	CRASH COST	NORMAL COST	COST SLOPE/HARI	TOTAL COST SLOPE
<i>PENGECATAN</i>																	
1	Dinding Dalam	M2	180.50	Pekerja	0.030	0.602	9	4.5	33.333	66.667	Rp72,000.00	Rp144,000.00	Rp389,880.000	Rp1,053,217.500	Rp1,404,290.000	-Rp78,016.11	-Rp351,072.50
				Tukang Cat	0.040	0.802			25.000	50.000	Rp78,000.00	Rp156,000.00	Rp563,160.000				

Kepala Tukang	0.005	0.100	200.000	400.000	Rp84.000. 00	Rp168.000 .00	Rp 75,810.000
Mandor	0.002	0.030	666.667	1333.333	Rp90.000. 00	Rp180.000 .00	Rp 24,367.500
TOTAL CRASH COST PEKERJAAN PENGECATAN DINDING DALAM							Rp 1,053,217.500



Lampiran 14 Work Breakdown Structure Alternatif Percepatan Pemberlakuan Sistem 2 Shift Kerja Dalam Satu Hari

NO.	Pekerjaan	SATUAN	VOLUME	BOBOT (%)	DURASI HARI	MULAI	SELESAI
<b>TAHAP 1 PEMBANGUNAN RUMAH TIPE 45 (10 UNIT RUMAH)</b>							
<i>A</i> <b>PERSIAPAN</b>							
1	Direksi Keet	LS	1.00	0.000	2	09 August 2021	10 August 2021
2	Air Kerja	LS	1.00	0.279	1	09 August 2021	09 August 2021
3	Listrik Kerja	LS	1.00	0.349	1	09 August 2021	09 August 2021
4	Keamanan Proyek	LS	1.00	0.419	1	09 August 2021	09 August 2021
<i>B</i> <b>PONDASI</b>							
1	Bowplank	M'	48.30	0.286	2	09 August 2021	10 August 2021
2	Galian Pondasi	M3	8.40	0.278	5	10 August 2021	14 August 2021
3	Pasangan Pondasi Batu Kali	M3	8.40	3.663	6	14 August 2021	20 August 2021
4	Timbungan Galian Kembali	M3	7.20	0.201	2	21 August 2021	23 August 2021
5	Pemadatan Tanah	M2	45.00	0.471	2	23 August 2021	24 August 2021
<i>C</i> <b>STRUKTUR</b>							
1	Pondasi Plat Setempat 6 Titik Ø6 & Ø8	M3	0.48	0.740	6	24 August 2021	30 August 2021
2	Sloof Ø8 & Ø6	M3	1.05	1.619	3	24 August 2021	26 August 2021
3	Kolom Ø10 & Ø6	M3	1.87	2.883	6	25 August 2021	31 August 2021
4	Ring Balok Ø8 & Ø6	M3	2.69	4.148	12	30 August 2021	11 September 2021
5	Dak Talang Ø8	M3	1.31	2.020	6	09 September 2021	15 September 2021
6	Luivel Beton t = 10cm	M3	0.74	1.138	5	15 September 2021	20 September 2021
<i>D</i> <b>DINDING</b>							
1	Pasangan Dinding Bata Ringan t = 10cm	M2	212.00	16.566	8	31 August 2021	08 September 2021

2	Pasangan Plester Dinding + Aci Dinding	M2	295.00	8.233	15	09 September 2021	25 September 2021
3	Trasram 1PC:3PS t = 30cm	M'	59.50	1.868	10	08 September 2021	18 September 2021
<i>ATAP</i>							
1	Rangka Atap Bj. Ringan (Kuda-Kuda+Kaso+Reng)	M2	89.00	7.451	12	21 September 2021	04 October 2021
2	Pasangan Genteng Flat Beton	M2	89.00	5.899	3	05 October 2021	07 October 2021
3	Bubungan Genteng / Nok	M'	9.00	0.314	2	04 October 2021	05 October 2021
4	Genteng Siku	M'	7.00	0.293	2	04 October 2021	05 October 2021
<i>PLAFON</i>							
1	Rangka Plafon Besi Hollow	M2	62.80	1.753	2	07 October 2021	08 October 2021
2	Papan Gypsum Board	M'	62.80	2.848	2	08 October 2021	09 October 2021
3	Shadow Line	M'	58.70	0.614	2	08 October 2021	09 October 2021
4	Lisplank GRC	M'	10.00	0.209	1	09 October 2021	09 October 2021
<i>LANTAI</i>							
1	Lantai Kerja	M2	45.00	0.942	3	25 September 2021	28 September 2021
2	Pasangan Granit HT 60X60cm	M2	34.50	3.851	4	29 September 2021	02 October 2021
3	Pasangan Granit HT Lantai Kmr. Tidur 60X60cm	M2	18.30	2.043	4	29 September 2021	02 October 2021
4	Pasangan Keramik Lantai Kmr. Mandi	M2	2.55	0.160	4	29 September 2021	02 October 2021
5	Pasangan Keramik Dinding Kmr. Mandi	M2	17.80	1.056	4	29 September 2021	02 October 2021
6	Pasangan Keramik Teras	M2	2.40	0.112	3	29 September 2021	01 October 2021
<i>PINTU &amp; JENDELA</i>							
1	Pasangan Kusen Aluminium Pintu + Jendela 4 inch	M'	73.50	5.641	3	05 October 2021	07 October 2021
2	Pintu Engineering Solid Finish Duco	Unit	1.00	1.186	2	05 October 2021	06 October 2021
3	Pintu Double Teakwood	Unit	3.00	1.465	2	05 October 2021	06 October 2021

4	Kaca Pintu + Jendela t = 5mm	M2	15.00	1.203	2	05 October 2021	06 October 2021
5	Pintu Kmr. Mandi PVC	Unit	1.00	0.244	1	05 October 2021	05 October 2021
I	<i>AKSESORIS PINTU DAN JENDELA</i>						
1	Smart Door Lock Pintu Depan merk Dekson	Unit	1.00	1.291	1	08 October 2021	08 October 2021
2	Handle Pintu Kamar & Pintu Belakang	Unit	3.00	0.314	1	08 October 2021	08 October 2021
3	Engsel Pintu 3 Unit/Pintu	Unit	12.00	0.209	2	08 October 2021	09 October 2021
4	Engsel Jendela 2 Unit/Jendela	Unit	10.00	0.174	1	08 October 2021	08 October 2021
J	<i>PENGECATAN</i>						
1	Dinding Dalam	M2	180.50	1.637	5	09 October 2021	14 October 2021
2	Dinding Luar	M2	95.40	0.998	8	09 October 2021	18 October 2021
3	Plafond	M2	54.20	0.454	4	09 October 2021	13 October 2021
4	Fasade	M2	15.50	0.162	2	09 October 2021	11 October 2021
K	<i>SANITAIR</i>						
1	Kloset Duduk merk Toto	Unit	1.00	1.395	1	08 October 2021	08 October 2021
2	Pipa PVC 4 inch	M'	31.00	1.190	2	27 August 2021	28 August 2021
3	Pipa PVC 3 inch	M'	16.00	0.447	2	27 August 2021	28 August 2021
4	Pipa PVC 1/2 inch	M'	31.00	0.260	2	06 September 2021	07 September 2021
5	Kran Kmr. Mandi (single) merk Toto	pcs	1.00	0.174	1	11 October 2021	11 October 2021
6	Kran (Depan+Dapur) merk Toto	pcs	2.00	0.049	2	11 October 2021	12 October 2021
7	Shower	pcs	1.00	0.140	1	11 October 2021	11 October 2021
8	Stop Kran Kloset + Jet Washer	pcs	2.00	0.084	1	11 October 2021	11 October 2021
9	Floor Drain	pcs	2.00	0.056	1	11 October 2021	11 October 2021
10	Inlet Talang	pcs	4.00	0.056	1	11 October 2021	11 October 2021
11	Sumur Bor ± 12m, Pompa Air, Rumah Pompa + Instalasi Pipa	LS	1.00	2.442	3	30 August 2021	01 September 2021

12	Septitank Uk. 1x1x1,2M	LS	1.00	0.698	2	30 August 2021	31 August 2021
L	<i>INSTALASI LISTRIK</i>						
1	Stop Kontak merk Panasonic	Titik	6.00	0.628	1	27 September 2021	27 September 2021
2	Titik Cahaya (termasuk Lampu Armatur)	Titik	12.00	2.009	1	08 October 2021	08 October 2021
3	Panel MCB 2 Phase	Unit	1.00	0.070	2	29 September 2021	30 September 2021
4	Grounding	Titik	1.00	0.070	1	27 September 2021	27 September 2021
	<i>LAIN - LAIN</i>						
1	Carport (Rabat Beton)	M2	6.00	0.167	3	11 October 2021	13 October 2021
2	Taman ●	M2	6.82	0.238	2	11 October 2021	12 October 2021
3	Blumbak t = 12cm	M2	2.70	0.094	3	12 October 2021	14 October 2021
4	Decker t = 12cm	M2	4.00	1.005	3	13 October 2021	15 October 2021
5	Pasangan Kitchen Set (Dinding + Meja Granit HT 60x60cm + Kitchen Sink + Kran)	LS	1.00	0.837	3	12 October 2021	14 October 2021
6	Perapihan dan Pembersihan Akhir	LS	1.00	0.209	1	13 October 2021	13 October 2021
	<b>TAHAP 2 PEMBANGUNAN RUMAH TIPE 45 (10 UNIT RUMAH)</b>						
A	<i>PERSIAPAN</i>						
1	Direksi Keet	LS	1.00	0.000	2	18 October 2021	19 October 2021
2	Air Kerja	LS	1.00	0.279	1	18 October 2021	18 October 2021
3	Listrik Kerja	LS	1.00	0.349	1	18 October 2021	18 October 2021
4	Keamanan Proyek	LS	1.00	0.419	1	18 October 2021	18 October 2021
B	<i>PONDASI</i>						
1	Bowplank	M'	48.30	0.286	2	18 October 2021	19 October 2021
2	Galian Pondasi	M3	8.40	0.278	5	19 October 2021	23 October 2021
3	Pasangan Pondasi Batu Kali	M3	8.40	3.663	6	23 October 2021	29 October 2021

4	Timbungan Galian Kembali	M3	7.20	0.201	2	30 October 2021	01 November 2021
5	Pemadatan Tanah	M2	45.00	0.471	2	01 November 2021	02 November 2021
<i>C STRUKTUR</i>							
1	Pondasi Plat Setempat 6 Titik Ø6 & Ø8	M3	0.48	0.740	6	02 November 2021	08 November 2021
2	Sloof Ø8 & Ø6	M3	1.05	1.619	3	02 November 2021	04 November 2021
3	Kolom Ø10 & Ø6	M3	1.87	2.883	6	03 November 2021	09 November 2021
4	Ring Balok Ø8 & Ø6	M3	2.69	4.148	12	08 November 2021	20 November 2021
5	Dak Talang Ø8	M3	1.31	2.020	6	18 November 2021	24 November 2021
6	Luivel Beton t = 10cm	M3	0.74	1.138	5	24 November 2021	29 November 2021
<i>D DINDING</i>							
1	Pasangan Dinding Bata Ringan t = 10cm	M2	212.00	16.566	8	09 November 2021	17 November 2021
2	Pasangan Plester Dinding + Aci Dinding	M2	295.00	8.233	15	18 November 2021	04 December 2021
3	Trasram 1PC:3PS t = 30cm	M'	59.50	1.868	10	17 November 2021	27 November 2021
<i>E ATAP</i>							
1	Rangka Atap Bj. Ringan (Kuda-Kuda+Kaso+Reng)	M2	89.00	7.451	12	30 November 2021	13 December 2021
2	Pasangan Genteng Flat Beton	M2	89.00	5.899	3	14 December 2021	16 December 2021
3	Bubungan Genteng / Nok	M'	9.00	0.314	2	13 December 2021	14 December 2021
4	Genteng Siku	M'	7.00	0.293	2	13 December 2021	14 December 2021
<i>F PLAFON</i>							
1	Rangka Plafon Besi Hollow	M2	62.80	1.753	2	16 December 2021	17 December 2021
2	Papan Gypsum Board	M'	62.80	2.848	2	17 December 2021	18 December 2021
3	Shadow Line	M'	58.70	0.614	2	17 December 2021	18 December 2021
4	Lisplank GRC	M'	10.00	0.209	1	18 December 2021	18 December 2021



G	<i>LANTAI</i>						
1	Lantai Kerja	M2	45.00	0.942	3	04 December 2021	07 December 2021
2	Pasangan Granit HT 60X60cm	M2	34.50	3.851	4	08 December 2021	11 December 2021
3	Pasangan Granit HT Lantai Kmr. Tidur 60X60cm	M2	18.30	2.043	4	08 December 2021	11 December 2021
4	Pasangan Keramik Lantai Kmr. Mandi	M2	2.55	0.160	4	08 December 2021	11 December 2021
5	Pasangan Keramik Dinding Kmr. Mandi	M2	17.80	1.056	4	08 December 2021	11 December 2021
6	Pasangan Keramik Teras	M2	2.40	0.112	3	08 December 2021	10 December 2021
H	<i>PINTU &amp; JENDELA</i>						
1	Pasangan Kusen Aluminium Pintu + Jendela 4 inch	M'	73.50	5.641	3	14 December 2021	16 December 2021
2	Pintu Engineering Solid Finish Duco	Unit	1.00	1.186	2	14 December 2021	15 December 2021
3	Pintu Double Teakwood	Unit	3.00	1.465	2	14 December 2021	15 December 2021
4	Kaca Pintu + Jendela t = 5mm	M2	15.00	1.203	2	14 December 2021	15 December 2021
5	Pintu Kmr. Mandi PVC	Unit	1.00	0.244	1	14 December 2021	14 December 2021
I	<i>AKSESORIS PINTU DAN JENDELA</i>						
1	Smart Door Lock Pintu Depan merk Dekson	Unit	1.00	1.291	1	17 December 2021	17 December 2021
2	Handle Pintu Kamar & Pintu Belakang	Unit	3.00	0.314	1	17 December 2021	17 December 2021
3	Engsel Pintu 3 Unit/Pintu	Unit	12.00	0.209	2	17 December 2021	18 December 2021
4	Engsel Jendela 2 Unit/Jendela	Unit	10.00	0.174	1	17 December 2021	17 December 2021
J	<i>PENGECATAN</i>						
1	Dinding Dalam	M2	180.50	1.637	5	18 December 2021	23 December 2021
2	Dinding Luar	M2	95.40	0.998	8	18 December 2021	27 December 2021
3	Plafond	M2	54.20	0.454	4	18 December 2021	22 December 2021
4	Fasade	M2	15.50	0.162	2	18 December 2021	20 December 2021
K	<i>SANITAIR</i>						

1	Kloset Duduk merk Toto	Unit	1.00	1.395	1	17 December 2021	17 December 2021
2	Pipa PVC 4 inch	M'	31.00	1.190	2	05 November 2021	06 November 2021
3	Pipa PVC 3 inch	M'	16.00	0.447	2	05 November 2021	06 November 2021
4	Pipa PVC 1/2 inch	M'	31.00	0.260	2	15 November 2021	16 November 2021
5	Kran Kmr. Mandi (single) merk Toto	pcs	1.00	0.174	1	20 December 2021	20 December 2021
6	Kran (Depan+Dapur) merk Toto	pcs	2.00	0.049	2	20 December 2021	21 December 2021
7	Shower	pcs	1.00	0.140	1	20 December 2021	20 December 2021
8	Stop Kran Kloset + Jet Washer	pcs	2.00	0.084	1	20 December 2021	20 December 2021
9	Floor Drain	pcs	2.00	0.056	1	20 December 2021	20 December 2021
10	Inlet Talang	pcs	4.00	0.056	1	20 December 2021	20 December 2021
11	Sumur Bor ± 12m, Pompa Air, Rumah Pompa + Instalasi Pipa	LS	1.00	2.442	3	08 November 2021	10 November 2021
12	Septitank Uk. 1x1x1,2M	LS	1.00	0.698	2	08 November 2021	09 November 2021
L	<i>INSTALASI LISTRIK</i>						
1	Stop Kontak merk Panasonic	Titik	6.00	0.628	1	06 December 2021	06 December 2021
2	Titik Cahaya (termasuk Lampu Armatour)	Titik	12.00	2.009	1	17 December 2021	17 December 2021
3	Panel MCB 2 Phase	Unit	1.00	0.070	2	08 December 2021	09 December 2021
4	Grounding	Titik	1.00	0.070	1	06 December 2021	06 December 2021
	<i>LAIN - LAIN</i>						
1	Carport (Rabat Beton)	M2	6.00	0.167	3	20 December 2021	22 December 2021
2	Taman	M2	6.82	0.238	2	20 December 2021	21 December 2021
3	Blumbak t = 12cm	M2	2.70	0.094	3	21 December 2021	23 December 2021
4	Decker t = 12cm	M2	4.00	1.005	3	22 December 2021	24 December 2021
5	Pasangan Kitchen Set (Dinding + Meja Granit HT 60x60cm + Kitchen Sink + Kran)	LS	1.00	0.837	3	21 December 2021	23 December 2021

6	Perapihan dan Pembersihan Akhir	LS	1.00	0.209	1	22 December 2021	22 December 2021
<b>TAHAP 3 PEMBANGUNAN RUMAH TIPE 45 (10 UNIT RUMAH)</b>							
<b>A</b>		<i>PERSIAPAN</i>					
1	Direksi Keet	LS	1.00	0.000	2	27 December 2021	28 December 2021
2	Air Kerja	LS	1.00	0.279	1	27 December 2021	27 December 2021
3	Listrik Kerja	LS	1.00	0.349	1	27 December 2021	27 December 2021
4	Keamanan Proyek	LS	1.00	0.419	1	27 December 2021	27 December 2021
<b>B</b>		<i>PONDASI</i>					
1	Bowplank	M'	48.30	0.286	2	27 December 2021	28 December 2021
2	Galian Pondasi	M3	8.40	0.278	5	28 December 2021	04 January 2022
3	Pasangan Pondasi Batu Kali	M3	8.40	3.663	6	04 January 2022	10 January 2022
4	Timbungan Galian Kembali	M3	7.20	0.201	2	11 January 2022	12 January 2022
5	Pemadatan Tanah	M2	45.00	0.471	2	12 January 2022	13 January 2022
<b>C</b>		<i>STRUKTUR</i>					
1	Pondasi Plat Setempat 6 Titik Ø6 & Ø8	M3	0.48	0.740	6	13 January 2022	19 January 2022
2	Sloof Ø8 & Ø6	M3	1.05	1.619	3	13 January 2022	15 January 2022
3	Kolom Ø10 & Ø6	M3	1.87	2.883	6	14 January 2022	20 January 2022
4	Ring Balok Ø8 & Ø6	M3	2.69	4.148	12	19 January 2022	01 February 2022
5	Dak Talang Ø8	M3	1.31	2.020	6	29 January 2022	04 February 2022
6	Luivel Beton t = 10cm	M3	0.74	1.138	5	04 February 2022	09 February 2022
<b>D</b>		<i>DINDING</i>					
1	Pasangan Dinding Bata Ringan t = 10cm	M2	212.00	16.566	8	20 January 2022	28 January 2022
2	Pasangan Plester Dinding + Aci Dinding	M2	295.00	8.233	15	29 January 2022	15 February 2022
3	Trasram 1PC:3PS t = 30cm	M'	59.50	1.868	10	28 January 2022	08 February 2022

E	<i>ATAP</i>						
1	Rangka Atap Bj. Ringan (Kuda-Kuda+Kaso+Reng)	M2	89.00	7.451	12	10 February 2022	23 February 2022
2	Pasangan Genteng Flat Beton	M2	89.00	5.899	3	24 February 2022	26 February 2022
3	Bubungan Genteng / Nok	M'	9.00	0.314	2	23 February 2022	24 February 2022
4	Genteng Siku	M'	7.00	0.293	2	23 February 2022	24 February 2022
F	<i>PLAFON</i>						
1	Rangka Plafon Besi Hollow	M2	62.80	1.753	2	26 February 2022	28 February 2022
2	Papan Gypsum Board	M'	62.80	2.848	2	28 February 2022	01 March 2022
3	Shadow Line	M'	58.70	0.614	2	28 February 2022	01 March 2022
4	Lisplank GRC	M'	10.00	0.209	1	01 March 2022	01 March 2022
G	<i>LANTAI</i>						
1	Lantai Kerja	M2	45.00	0.942	3	15 February 2022	17 February 2022
2	Pasangan Granit HT 60X60cm	M2	34.50	3.851	4	18 February 2022	22 February 2022
3	Pasangan Granit HT Lantai Kmr. Tidur 60X60cm	M2	18.30	2.043	4	18 February 2022	22 February 2022
4	Pasangan Keramik Lantai Kmr. Mandi	M2	2.55	0.160	4	18 February 2022	22 February 2022
5	Pasangan Keramik Dinding Kmr. Mandi	M2	17.80	1.056	4	18 February 2022	22 February 2022
6	Pasangan Keramik Teras	M2	2.40	0.112	3	18 February 2022	21 February 2022
H	<i>PINTU &amp; JENDELA</i>						
1	Pasangan Kusen Alumunium Pintu + Jendela 4 inch	M'	73.50	5.641	3	24 February 2022	26 February 2022
2	Pintu Engineering Solid Finish Duco	Unit	1.00	1.186	2	24 February 2022	25 February 2022
3	Pintu Double Teakwood	Unit	3.00	1.465	2	24 February 2022	25 February 2022
4	Kaca Pintu + Jendela t = 5mm	M2	15.00	1.203	2	24 February 2022	25 February 2022
5	Pintu Kmr. Mandi PVC	Unit	1.00	0.244	1	24 February 2022	24 February 2022
I	<i>AKSESORIS PINTU DAN JENDELA</i>						

1	Smart Door Lock Pintu Depan merk Dekson	Unit	1.00	1.291	1	28 February 2022	28 February 2022
2	Handle Pintu Kamar & Pintu Belakang	Unit	3.00	0.314	1	28 February 2022	28 February 2022
3	Engsel Pintu 3 Unit/Pintu	Unit	12.00	0.209	2	28 February 2022	01 March 2022
4	Engsel Jendela 2 Unit/Jendela	Unit	10.00	0.174	1	28 February 2022	28 February 2022
J	<i>PENGECATAN</i>						
1	Dinding Dalam	M2	180.50	1.637	5	01 March 2022	05 March 2022
2	Dinding Luar	M2	95.40	0.998	8	01 March 2022	09 March 2022
3	Plafond	M2	54.20	0.454	4	01 March 2022	04 March 2022
4	Fasade	M2	15.50	0.162	2	01 March 2022	02 March 2022
K	<i>SANITAIR</i>						
1	Kloset Duduk merk Toto	Unit	1.00	1.395	1	28 February 2022	28 February 2022
2	Pipa PVC 4 inch	M'	31.00	1.190	2	17 January 2022	18 January 2022
3	Pipa PVC 3 inch	M'	16.00	0.447	2	17 January 2022	18 January 2022
4	Pipa PVC 1/2 inch	M'	31.00	0.260	2	26 January 2022	27 January 2022
5	Kran Kmr. Mandi (single) merk Toto	pcs	1.00	0.174	1	02 March 2022	02 March 2022
6	Kran (Depan+Dapur) merk Toto	pcs	2.00	0.049	2	02 March 2022	03 March 2022
7	Shower	pcs	1.00	0.140	1	02 March 2022	02 March 2022
8	Stop Kran Kloset + Jet Washer	pcs	2.00	0.084	1	02 March 2022	02 March 2022
9	Floor Drain	pcs	2.00	0.056	1	02 March 2022	02 March 2022
10	Inlet Talang	pcs	4.00	0.056	1	02 March 2022	02 March 2022
11	Sumur Bor ± 12m, Pompa Air, Rumah Pompa + Instalasi Pipa	LS	1.00	2.442	3	19 January 2022	21 January 2022
12	Septitank Uk. 1x1x1,2M	LS	1.00	0.698	2	19 January 2022	20 January 2022
L	<i>INSTALASI LISTRIK</i>						
1	Stop Kontak merk Panasonic	Titik	6.00	0.628	1	16 February 2022	16 February 2022

2	Titik Cahaya (termasuk Lampu Armatur)	Titik	12.00	2.009	1	28 February 2022	28 February 2022
3	Panel MCB 2 Phase	Unit	1.00	0.070	2	18 February 2022	19 February 2022
4	Grounding	Titik	1.00	0.070	1	16 February 2022	16 February 2022
<i>LAIN - LAIN</i>							
1	Carport (Rabat Beton)	M2	6.00	0.167	3	02 March 2022	04 March 2022
2	Taman	M2	6.82	0.238	2	02 March 2022	03 March 2022
3	Blumbak t = 12cm	M2	2.70	0.094	3	03 March 2022	05 March 2022
4	Decker t = 12cm	M2	4.00	1.005	3	04 March 2022	07 March 2022
5	Pasangan Kitchen Set (Dinding + Meja Granit HT 60x60cm + Kitchen Sink + Kran)	LS	1.00	0.837	3	03 March 2022	05 March 2022
6	Perapihan dan Pembersihan Akhir	LS	1.00	0.209	1	04 March 2022	04 March 2022
<b>TAHAP 4 PEMBANGUNAN RUMAH TIPE 45 (10 UNIT RUMAH)</b>							
<i>A</i>							
<i>PERSIAPAN</i>							
1	Direksi Keet	LS	1.00	0.000	2	09 March 2022	10 March 2022
2	Air Kerja	LS	1.00	0.279	1	09 March 2022	09 March 2022
3	Listrik Kerja	LS	1.00	0.349	1	09 March 2022	09 March 2022
4	Keamanan Proyek	LS	1.00	0.419	1	09 March 2022	09 March 2022
<i>B</i>							
<i>PONDASI</i>							
1	Bowplank	M'	48.30	0.286	2	09 March 2022	10 March 2022
2	Galian Pondasi	M3	8.40	0.278	5	10 March 2022	15 March 2022
3	Pasangan Pondasi Batu Kali	M3	8.40	3.663	6	15 March 2022	21 March 2022
4	Timbungan Galian Kembali	M3	7.20	0.201	2	22 March 2022	23 March 2022
5	Pemadatan Tanah	M2	45.00	0.471	2	23 March 2022	24 March 2022
<i>C</i>							
<i>STRUKTUR</i>							

1	Pondasi Plat Setempat 6 Titik Ø6 & Ø8	M3	0.48	0.740	6	24 March 2022	30 March 2022
2	Sloof Ø8 & Ø6	M3	1.05	1.619	3	24 March 2022	26 March 2022
3	Kolom Ø10 & Ø6	M3	1.87	2.883	6	25 March 2022	31 March 2022
4	Ring Balok Ø8 & Ø6	M3	2.69	4.148	12	30 March 2022	12 April 2022
5	Dak Talang Ø8	M3	1.31	2.020	6	09 April 2022	15 April 2022
6	Luivel Beton t = 10cm	M3	0.74	1.138	5	15 April 2022	20 April 2022
D	<i>DINDING</i>						
1	Pasangan Dinding Bata Ringan t = 10cm	M2	212.00	16.566	8	31 March 2022	08 April 2022
2	Pasangan Plester Dinding + Aci Dinding	M2	295.00	8.233	15	09 April 2022	10 May 2022
3	Trasram 1PC:3PS t = 30cm	M'	59.50	1.868	10	08 April 2022	19 April 2022
E	<i>ATAP</i>						
1	Rangka Atap Bj. Ringan (Kuda-Kuda+Kaso+Reng)	M2	89.00	7.451	12	21 April 2022	18 May 2022
2	Pasangan Genteng Flat Beton	M2	89.00	5.899	3	19 May 2022	21 May 2022
3	Bubungan Genteng / Nok	M'	9.00	0.314	2	18 May 2022	19 May 2022
4	Genteng Siku	M'	7.00	0.293	2	18 May 2022	19 May 2022
F	<i>PLAFON</i>						
1	Rangka Plafon Besi Hollow	M2	62.80	1.753	2	21 May 2022	23 May 2022
2	Papan Gypsum Board	M'	62.80	2.848	2	23 May 2022	24 May 2022
3	Shadow Line	M'	58.70	0.614	2	23 May 2022	24 May 2022
4	Lisplank GRC	M'	10.00	0.209	1	24 May 2022	24 May 2022
G	<i>LANTAI</i>						
1	Lantai Kerja	M2	45.00	0.942	3	10 May 2022	12 May 2022
2	Pasangan Granit HT 60X60cm	M2	34.50	3.851	4	13 May 2022	17 May 2022

3	Pasangan Granit HT Lantai Kmr. Tidur 60X60cm	M2	18.30	2.043	4	13 May 2022	17 May 2022
4	Pasangan Keramik Lantai Kmr. Mandi	M2	2.55	0.160	4	13 May 2022	17 May 2022
5	Pasangan Keramik Dinding Kmr. Mandi	M2	17.80	1.056	4	13 May 2022	17 May 2022
6	Pasangan Keramik Teras	M2	2.40	0.112	3	13 May 2022	16 May 2022
H	<i>PINTU &amp; JENDELA</i>						
1	Pasangan Kusen Alumunium Pintu + Jendela 4 inch	M'	73.50	5.641	3	19 May 2022	21 May 2022
2	Pintu Engineering Solid Finish Duco	Unit	1.00	1.186	2	19 May 2022	20 May 2022
3	Pintu Double Teakwood	Unit	3.00	1.465	2	19 May 2022	20 May 2022
4	Kaca Pintu + Jendela t = 5mm	M2	15.00	1.203	2	19 May 2022	20 May 2022
5	Pintu Kmr. Mandi PVC	Unit	1.00	0.244	1	19 May 2022	19 May 2022
I	<i>AKSESORIS PINTU DAN JENDELA</i>						
1	Smart Door Lock Pintu Depan merk Dekson	Unit	1.00	1.291	1	23 May 2022	23 May 2022
2	Handle Pintu Kamar & Pintu Belakang	Unit	3.00	0.314	1	23 May 2022	23 May 2022
3	Engsel Pintu 3 Unit/Pintu	Unit	12.00	0.209	2	23 May 2022	24 May 2022
4	Engsel Jendela 2 Unit/Jendela	Unit	10.00	0.174	1	23 May 2022	23 May 2022
J	<i>PENGECATAN</i>						
1	Dinding Dalam	M2	180.50	1.637	5	24 May 2022	28 May 2022
2	Dinding Luar	M2	95.40	0.998	8	24 May 2022	01 June 2022
3	Plafond	M2	54.20	0.454	4	24 May 2022	27 May 2022
4	Fasade	M2	15.50	0.162	2	24 May 2022	25 May 2022
K	<i>SANITAIR</i>						
1	Kloset Duduk merk Toto	Unit	1.00	1.395	1	23 May 2022	23 May 2022
2	Pipa PVC 4 inch	M'	31.00	1.190	2	28 March 2022	29 March 2022
3	Pipa PVC 3 inch	M'	16.00	0.447	2	28 March 2022	29 March 2022



4	Pipa PVC 1/2 inch	M'	31.00	0.260	2	06 April 2022	07 April 2022
5	Kran Kmr. Mandi (single) merk Toto	pcs	1.00	0.174	1	25 May 2022	25 May 2022
6	Kran (Depan+Dapur) merk Toto	pcs	2.00	0.049	2	25 May 2022	26 May 2022
7	Shower	pcs	1.00	0.140	1	25 May 2022	25 May 2022
8	Stop Kran Kloset + Jet Washer	pcs	2.00	0.084	1	25 May 2022	25 May 2022
9	Floor Drain	pcs	2.00	0.056	1	25 May 2022	25 May 2022
10	Inlet Talang	pcs	4.00	0.056	1	25 May 2022	25 May 2022
11	Sumur Bor ± 12m, Pompa Air, Rumah Pompa + Instalasi Pipa	LS	1.00	2.442	3	30 March 2022	01 April 2022
12	Septitank Uk. 1x1x1,2M	LS	1.00	0.698	2	30 March 2022	31 March 2022
L	<i>INSTALASI LISTRIK</i>						
1	Stop Kontak merk Panasonic	Titik	6.00	0.628	1	11 May 2022	11 May 2022
2	Titik Cahaya (termasuk Lampu Armatuur)	Titik	12.00	2.009	1	23 May 2022	23 May 2022
3	Panel MCB 2 Phase	Unit	1.00	0.070	2	13 May 2022	14 May 2022
4	Grounding	Titik	1.00	0.070	1	11 May 2022	11 May 2022
	<i>LAIN - LAIN</i>						
1	Carport (Rabat Beton)	M2	6.00	0.167	3	25 May 2022	27 May 2022
2	Taman	M2	6.82	0.238	2	25 May 2022	26 May 2022
3	Blumbak t = 12cm	M2	2.70	0.094	3	26 May 2022	28 May 2022
4	Decker t = 12cm	M2	4.00	1.005	3	27 May 2022	30 May 2022
5	Pasangan Kitchen Set (Dinding + Meja Granit HT 60x60cm + Kitchen Sink + Kran)	LS	1.00	0.837	3	26 May 2022	28 May 2022
6	Perapihan dan Pembersihan Akhir	LS	1.00	0.209	1	27 May 2022	27 May 2022
<b>TAHAP 5 PEMBANGUNAN RUMAH TIBE 45 (10 UNIT RUMAH)</b>							
A	<i>PERSIAPAN</i>						

1	Direksi Keet	LS	1.00	0.000	2	01 June 2022	02 June 2022
2	Air Kerja	LS	1.00	0.279	1	01 June 2022	01 June 2022
3	Listrik Kerja	LS	1.00	0.349	1	01 June 2022	01 June 2022
4	Keamanan Proyek	LS	1.00	0.419	1	01 June 2022	01 June 2022
B	<i>PONDASI</i>						
1	Bowplank	M'	48.30	0.286	2	01 June 2022	02 June 2022
2	Galian Pondasi	M3	8.40	0.278	5	02 June 2022	07 June 2022
3	Pasangan Pondasi Batu Kali	M3	8.40	3.663	6	07 June 2022	13 June 2022
4	Timbungan Galian Kembali	M3	7.20	0.201	2	14 June 2022	15 June 2022
5	Pemadatan Tanah	M2	45.00	0.471	2	15 June 2022	16 June 2022
C	<i>STRUKTUR</i>						
1	Pondasi Plat Setempat 6 Titik Ø6 & Ø8	M3	0.48	0.740	6	16 June 2022	22 June 2022
2	Sloof Ø8 & Ø6	M3	1.05	1.619	3	16 June 2022	18 June 2022
3	Kolom Ø10 & Ø6	M3	1.87	2.883	6	17 June 2022	23 June 2022
4	Ring Balok Ø8 & Ø6	M3	2.69	4.148	12	22 June 2022	05 July 2022
5	Dak Talang Ø8	M3	1.31	2.020	6	02 July 2022	08 July 2022
6	Luivel Beton t = 10cm	M3	0.74	1.138	5	08 July 2022	13 July 2022
D	<i>DINDING</i>						
1	Pasangan Dinding Bata Ringan t = 10cm	M2	212.00	16.566	8	23 June 2022	01 July 2022
2	Pasangan Plester Dinding + Aci Dinding	M2	295.00	8.233	15	02 July 2022	19 July 2022
3	Trasram 1PC:3PS t = 30cm	M'	59.50	1.868	10	01 July 2022	12 July 2022
E	<i>ATAP</i>						
1	Rangka Atap Bj. Ringan (Kuda-Kuda+Kaso+Reng)	M2	89.00	7.451	12	14 July 2022	27 July 2022
2	Pasangan Genteng Flat Beton	M2	89.00	5.899	3	28 July 2022	30 July 2022

3	Bubungan Genteng / Nok	M'	9.00	0.314	2	27 July 2022	28 July 2022
4	Genteng Siku	M'	7.00	0.293	2	27 July 2022	28 July 2022
F	<i>PLAFON</i>						
1	Rangka Plafon Besi Hollow	M2	62.80	1.753	2	30 July 2022	01 August 2022
2	Papan Gypsum Board	M'	62.80	2.848	2	01 August 2022	02 August 2022
3	Shadow Line	M'	58.70	0.614	2	01 August 2022	02 August 2022
4	Lisplank GRC	M'	10.00	0.209	1	02 August 2022	02 August 2022
G	<i>LANTAI</i>						
1	Lantai Kerja	M2	45.00	0.942	3	19 July 2022	21 July 2022
2	Pasangan Granit HT 60X60cm	M2	34.50	3.851	4	22 July 2022	26 July 2022
3	Pasangan Granit HT Lantai Kmr. Tidur 60X60cm	M2	18.30	2.043	4	22 July 2022	26 July 2022
4	Pasangan Keramik Lantai Kmr. Mandi	M2	2.55	0.160	4	22 July 2022	26 July 2022
5	Pasangan Keramik Dinding Kmr. Mandi	M2	17.80	1.056	4	22 July 2022	26 July 2022
6	Pasangan Keramik Teras	M2	2.40	0.112	3	22 July 2022	25 July 2022
H	<i>PINTU &amp; JENDELA</i>						
1	Pasangan Kusen Alumunium Pintu + Jendela 4 inch	M'	73.50	5.641	3	28 July 2022	30 July 2022
2	Pintu Engineering Solid Finish Duco	Unit	1.00	1.186	2	28 July 2022	29 July 2022
3	Pintu Double Teakwood	Unit	3.00	1.465	2	28 July 2022	29 July 2022
4	Kaca Pintu + Jendela t = 5mm	M2	15.00	1.203	2	28 July 2022	29 July 2022
5	Pintu Kmr. Mandi PVC	Unit	1.00	0.244	1	28 July 2022	28 July 2022
I	<i>AKSESORIS PINTU DAN JENDELA</i>						
1	Smart Door Lock Pintu Depan merk Dekson	Unit	1.00	1.291	1	01 August 2022	01 August 2022
2	Handle Pintu Kamar & Pintu Belakang	Unit	3.00	0.314	1	01 August 2022	01 August 2022
3	Engsel Pintu 3 Unit/Pintu	Unit	12.00	0.209	2	01 August 2022	02 August 2022

4	Engsel Jendela 2 Unit/Jendela	Unit	10.00	0.174	1	01 August 2022	01 August 2022
J	<i>PENGECATAN</i>						
1	Dinding Dalam	M2	180.50	1.637	5	02 August 2022	06 August 2022
2	Dinding Luar	M2	95.40	0.998	8	02 August 2022	10 August 2022
3	Plafond	M2	54.20	0.454	4	02 August 2022	05 August 2022
4	Fasade	M2	15.50	0.162	2	02 August 2022	03 August 2022
K	<i>SANITAIR</i>						
1	Kloset Duduk merk Toto	Unit	1.00	1.395	1	01 August 2022	01 August 2022
2	Pipa PVC 4 inch	M'	31.00	1.190	2	20 June 2022	21 June 2022
3	Pipa PVC 3 inch	M'	16.00	0.447	2	20 June 2022	21 June 2022
4	Pipa PVC 1/2 inch	M'	31.00	0.260	2	29 June 2022	30 June 2022
5	Kran Kmr. Mandi (single) merk Toto	pcs	1.00	0.174	1	03 August 2022	03 August 2022
6	Kran (Depan+Dapur) merk Toto	pcs	2.00	0.049	2	03 August 2022	04 August 2022
7	Shower	pcs	1.00	0.140	1	03 August 2022	03 August 2022
8	Stop Kran Kloset + Jet Washer	pcs	2.00	0.084	1	03 August 2022	03 August 2022
9	Floor Drain	pcs	2.00	0.056	1	03 August 2022	03 August 2022
10	Inlet Talang	pcs	4.00	0.056	1	03 August 2022	03 August 2022
11	Sumur Bor ± 12m, Pompa Air, Rumah Pompa + Instalasi Pipa	LS	1.00	2.442	3	22 June 2022	24 June 2022
12	Septitank Uk. 1x1x1,2M	LS	1.00	0.698	2	22 June 2022	23 June 2022
L	<i>INSTALASI LISTRIK</i>						
1	Stop Kontak merk Panasonic	Titik	6.00	0.628	1	20 July 2022	20 July 2022
2	Titik Cahaya (termasuk Lampu Armatuur)	Titik	12.00	2.009	1	01 August 2022	01 August 2022
3	Panel MCB 2 Phase	Unit	1.00	0.070	2	22 July 2022	23 July 2022
4	Grounding	Titik	1.00	0.070	1	20 July 2022	20 July 2022

<i>LAIN - LAIN</i>							
1	Carport (Rabat Beton)	M2	6.00	0.167	3	03 August 2022	05 August 2022
2	Taman	M2	6.82	0.238	2	03 August 2022	04 August 2022
3	Blumbak t = 12cm	M2	2.70	0.094	3	04 August 2022	06 August 2022
4	Decker t = 12cm	M2	4.00	1.005	3	05 August 2022	08 August 2022
5	Pasangan Kitchen Set (Dinding + Meja Granit HT 60x60cm + Kitchen Sink + Kran)	LS	1.00	0.837	3	04 August 2022	06 August 2022
6	Perapihan dan Pembersihan Akhir	LS	1.00	0.209	1	05 August 2022	05 August 2022
TAHAP 6 PEMBANGUNAN RUMAH TIPE 45 (6 UNIT RUMAH)							
<i>A</i>							
<i>PERSIAPAN</i>							
1	Direksi Keet	LS	1.00	0.000	2	10 August 2022	11 August 2022
2	Air Kerja	LS	1.00	0.279	1	10 August 2022	10 August 2022
3	Listrik Kerja	LS	1.00	0.349	1	10 August 2022	10 August 2022
4	Keamanan Proyek	LS	1.00	0.419	1	10 August 2022	10 August 2022
<i>B</i>							
<i>PONDASI</i>							
1	Bowplank	M'	48.30	0.286	2	10 August 2022	11 August 2022
2	Galian Pondasi	M3	8.40	0.278	5	11 August 2022	16 August 2022
3	Pasangan Pondasi Batu Kali	M3	8.40	3.663	6	16 August 2022	22 August 2022
4	Timbungan Galian Kembali	M3	7.20	0.201	2	23 August 2022	24 August 2022
5	Pemadatan Tanah	M2	45.00	0.471	2	24 August 2022	25 August 2022
<i>C</i>							
<i>STRUKTUR</i>							
1	Pondasi Plat Setempat 6 Titik Ø6 & Ø8	M3	0.48	0.740	6	25 August 2022	31 August 2022
2	Sloof Ø8 & Ø6	M3	1.05	1.619	3	25 August 2022	27 August 2022
3	Kolom Ø10 & Ø6	M3	1.87	2.883	6	26 August 2022	01 September 2022
4	Ring Balok Ø8 & Ø6	M3	2.69	4.148	12	31 August 2022	13 September 2022

5	Dak Talang Ø8	M3	1.31	2.020	6	10 September 2022	16 September 2022
6	Luivel Beton t = 10cm	M3	0.74	1.138	5	16 September 2022	21 September 2022
<i>D</i>							
<i>DINDING</i>							
1	Pasangan Dinding Bata Ringan t = 10cm	M2	212.00	16.566	8	01 September 2022	09 September 2022
2	Pasangan Plester Dinding + Aci Dinding	M2	295.00	8.233	15	10 September 2022	27 September 2022
3	Trasram 1PC:3PS t = 30cm	M'	59.50	1.868	10	09 September 2022	20 September 2022
<i>E</i>							
<i>ATAP</i>							
1	Rangka Atap Bj. Ringan (Kuda-Kuda+Kaso+Reng)	M2	89.00	7.451	12	22 September 2022	05 October 2022
2	Pasangan Genteng Flat Beton	M2	89.00	5.899	3	06 October 2022	08 October 2022
3	Bubungan Genteng / Nok	M'	9.00	0.314	2	05 October 2022	06 October 2022
4	Genteng Siku	M'	7.00	0.293	2	05 October 2022	06 October 2022
<i>F</i>							
<i>PLAFON</i>							
1	Rangka Plafon Besi Hollow	M2	62.80	1.753	2	08 October 2022	10 October 2022
2	Papan Gypsum Board	M'	62.80	2.848	2	10 October 2022	11 October 2022
3	Shadow Line	M'	58.70	0.614	2	10 October 2022	11 October 2022
4	Lisplank GRC	M'	10.00	0.209	1	11 October 2022	11 October 2022
<i>G</i>							
<i>LANTAI</i>							
1	Lantai Kerja	M2	45.00	0.942	3	27 September 2022	29 September 2022
2	Pasangan Granit HT 60X60cm	M2	34.50	3.851	4	30 September 2022	04 October 2022
3	Pasangan Granit HT Lantai Kmr. Tidur 60X60cm	M2	18.30	2.043	4	30 September 2022	04 October 2022
4	Pasangan Keramik Lantai Kmr. Mandi	M2	2.55	0.160	4	30 September 2022	04 October 2022
5	Pasangan Keramik Dinding Kmr. Mandi	M2	17.80	1.056	4	30 September 2022	04 October 2022
6	Pasangan Keramik Teras	M2	2.40	0.112	3	30 September 2022	03 October 2022

<i>PINTU &amp; JENDELA</i>							
H							
1	Pasangan Kusen Aluminium Pintu + Jendela 4 inch	M'	73.50	5.641	3	06 October 2022	08 October 2022
2	Pintu Engineering Solid Finish Duco	Unit	1.00	1.186	2	06 October 2022	07 October 2022
3	Pintu Double Teakwood	Unit	3.00	1.465	2	06 October 2022	07 October 2022
4	Kaca Pintu + Jendela t = 5mm	M2	15.00	1.203	2	06 October 2022	07 October 2022
5	Pintu Kmr. Mandi PVC	Unit	1.00	0.244	1	06 October 2022	06 October 2022
I							
<i>AKSESORIS PINTU DAN JENDELA</i>							
1	Smart Door Lock Pintu Depan merk Dekson	Unit	1.00	1.291	1	10 October 2022	10 October 2022
2	Handle Pintu Kamar & Pintu Belakang	Unit	3.00	0.314	1	10 October 2022	10 October 2022
3	Engsel Pintu 3 Unit/Pintu	Unit	12.00	0.209	2	10 October 2022	11 October 2022
4	Engsel Jendela 2 Unit/Jendela	Unit	10.00	0.174	1	10 October 2022	10 October 2022
J							
<i>PENGECATAN</i>							
1	Dinding Dalam	M2	180.50	1.637	5	11 October 2022	15 October 2022
2	Dinding Luar	M2	95.40	0.998	8	11 October 2022	19 October 2022
3	Plafond	M2	54.20	0.454	4	11 October 2022	14 October 2022
4	Fasade	M2	15.50	0.162	2	11 October 2022	12 October 2022
K							
<i>SANITAIR</i>							
1	Kloset Duduk merk Toto	Unit	1.00	1.395	1	10 October 2022	10 October 2022
2	Pipa PVC 4 inch	M'	31.00	1.190	2	29 August 2022	30 August 2022
3	Pipa PVC 3 inch	M'	16.00	0.447	2	29 August 2022	30 August 2022
4	Pipa PVC 1/2 inch	M'	31.00	0.260	2	07 September 2022	08 September 2022
5	Kran Kmr. Mandi (single) merk Toto	pcs	1.00	0.174	1	12 October 2022	12 October 2022
6	Kran (Depan+Dapur) merk Toto	pcs	2.00	0.049	2	12 October 2022	13 October 2022
7	Shower	pcs	1.00	0.140	1	12 October 2022	12 October 2022

8	Stop Kran Kloset + Jet Washer	pcs	2.00	0.084	1	12 October 2022	12 October 2022
9	Floor Drain	pcs	2.00	0.056	1	12 October 2022	12 October 2022
10	Inlet Talang	pcs	4.00	0.056	1	12 October 2022	12 October 2022
11	Sumur Bor ± 12m, Pompa Air, Rumah Pompa + Instalasi Pipa	LS	1.00	2.442	3	31 August 2022	02 September 2022
12	Septitank Uk. 1x1x1,2M	LS	1.00	0.698	2	31 August 2022	01 September 2022
L	<i>INSTALASI LISTRIK</i>						
1	Stop Kontak merk Panasonic	Titik	6.00	0.628	1	28 September 2022	28 September 2022
2	Titik Cahaya (termasuk Lampu Armatour)	Titik	12.00	2.009	1	10 October 2022	10 October 2022
3	Panel MCB 2 Phase	Unit	1.00	0.070	2	30 September 2022	01 October 2022
4	Grounding	Titik	1.00	0.070	1	28 September 2022	28 September 2022
	<i>LAIN - LAIN</i>						
1	Carport (Rabat Beton)	M2	6.00	0.167	3	12 October 2022	14 October 2022
2	Taman	M2	6.82	0.238	2	12 October 2022	13 October 2022
3	Blumbak t = 12cm	M2	2.70	0.094	3	13 October 2022	15 October 2022
4	Decker t = 12cm	M2	4.00	1.005	3	14 October 2022	17 October 2022
5	Pasangan Kitchen Set (Dinding + Meja Granit HT 60x60cm + Kitchen Sink + Kran)	LS	1.00	0.837	3	13 October 2022	15 October 2022
6	Perapihan dan Pembersihan Akhir	LS	1.00	0.209	1	14 October 2022	14 October 2022



Mengetahui



Joko Wuryanto, S.T.

Pimpinan Proyek





Lampiran 16 Rencana Anggaran Biaya Proyek Rumah Tipe 45

RENCANA ANGGARAN BIAYA RUMAH TIPE 45						
NO.	Pekerjaan	SATUAN	VOLUME	BOBOT (%)	HARGA SATUAN	JUMLAH HARGA
<i>PERSIAPAN</i>						
A						
1	Direksi Keet	LS	1.00	0.000	Rp -	Rp -
2	Air Kerja	LS	1.00	0.279	Rp 400,000.00	Rp 400,000.00
3	Listrik Kerja	LS	1.00	0.349	Rp 500,000.00	Rp 500,000.00
4	Keamanan Proyek	LS	1.00	0.419	Rp 600,000.00	Rp 600,000.00
Sub Total Persiapan						Rp 1,500,000.00
<i>PONDASI</i>						
B						
1	Bowplank	M'	48.30	0.286	Rp 8,500.00	Rp 410,550.00
2	Galian Pondasi	M <sup>3</sup>	8.40	0.278	Rp 47,500.00	Rp 399,000.00
3	Pasangan Pondasi Batu Kali	M <sup>3</sup>	8.40	3.663	Rp 625,000.00	Rp 5,250,000.00
4	Timbungan Galian Kembali	M <sup>3</sup>	7.20	0.201	Rp 40,000.00	Rp 288,000.00
5	Pemadatan Tanah	M <sup>2</sup>	45.00	0.471	Rp 15,000.00	Rp 675,000.00
Sub Total Pondasi						Rp 7,022,550.00
<i>STRUKTUR</i>						
C						
1	Pondasi Plat Setempat 6 Titik Ø6 & Ø8	M <sup>3</sup>	0.48	0.740	Rp 2,210,000.00	Rp 1,060,800.00
2	Sloof Ø8 & Ø6	M <sup>3</sup>	1.05	1.619	Rp 2,210,000.00	Rp 2,320,500.00

3	Kolom Ø10 & Ø6	M <sup>3</sup>	1.87	2.883	Rp 2,210,000.00	Rp	4,132,700.00
4	Ring Balok Ø8 & Ø6	M <sup>3</sup>	2.69	4.148	Rp 2,210,000.00	Rp	5,944,900.00
5	Dak Talang Ø8	M <sup>3</sup>	1.31	2.020	Rp 2,210,000.00	Rp	2,895,100.00
6	Luivel Beton t = 10cm	M <sup>3</sup>	0.74	1.138	Rp 2,203,500.00	Rp	1,630,590.00
Sub Total Struktur						Rp	17,984,590.00
D	<i>DINDING</i>						
1	Pasangan Dinding Bata Ringan t = 10cm	M <sup>2</sup>	212.00	16.566	Rp 112,000.00	Rp	23,744,000.00
2	Pasangan Plester Dinding + Aci Dinding	M <sup>2</sup>	295.00	8.233	Rp 40,000.00	Rp	11,800,000.00
3	Trasram 1PC:3PS t = 30cm	M'	59.50	1.868	Rp 45,000.00	Rp	2,677,500.00
Sub Total Dinding						Rp	38,221,500.00
E	<i>ATAP</i>						
1	Rangka Atap Bj. Ringan (Kuda-Kuda+Kaso+Reng)	M2	89.00	7.451	Rp 120,000.00	Rp	10,680,000.00
2	Pasangan Genteng Flat Beton	M2	89.00	5.899	Rp 95,000.00	Rp	8,455,000.00
3	Bubungan Genteng / Nok	M'	9.00	0.314	Rp 50,000.00	Rp	450,000.00
4	Genteng Siku	M'	7.00	0.293	Rp 60,000.00	Rp	420,000.00
Sub Total Atap						Rp	20,005,000.00
F	<i>PLAFON</i>						
1	Rangka Plafon Besi Hollow	M <sup>2</sup>	62.80	1.753	Rp 40,000.00	Rp	2,512,000.00
2	Papan Gypsum Board	M'	62.80	2.848	Rp 65,000.00	Rp	4,082,000.00
3	Shadow Line	M'	58.70	0.614	Rp 15,000.00	Rp	880,500.00
4	Lisplank GRC	M'	10.00	0.209	Rp 30,000.00	Rp	300,000.00
Sub Total Plafon						Rp	7,774,500.00

<b>G</b>								
<i>LANTAI</i>								
1	Lantai Kerja	M <sup>2</sup>	45.00	0.942	Rp	30,000.00	Rp	1,350,000.00
2	Pasangan Granit HT 60X60cm	M <sup>2</sup>	34.50	3.851	Rp	160,000.00	Rp	5,520,000.00
3	Pasangan Granit HT Lantai Kmr. Tidur 60X60cm	M <sup>2</sup>	18.30	2.043	Rp	160,000.00	Rp	2,928,000.00
4	Pasangan Keramik Lantai Kmr. Mandi	M <sup>2</sup>	2.55	0.160	Rp	90,000.00	Rp	229,500.00
5	Pasangan Keramik Dinding Kmr. Mandi	M <sup>2</sup>	17.80	1.056	Rp	85,000.00	Rp	1,513,000.00
6	Pasangan Keramik Teras	M <sup>2</sup>	2.40	0.112	Rp	67,000.00	Rp	160,800.00
Sub Total Lantai							Rp	11,701,300.00
<b>H</b>								
<i>PINTU &amp; JENDELA</i>								
1	Pasangan Kusen Alumunium Pintu + Jendela 4 inch	M'	73.50	5.641	Rp	110,000.00	Rp	8,085,000.00
2	Pintu Engineering Solid Finish Duco	Unit	1.00	1.186	Rp	1,700,000.00	Rp	1,700,000.00
3	Pintu Double Teakwood	Unit	3.00	1.465	Rp	700,000.00	Rp	2,100,000.00
4	Kaca Pintu + Jendela t = 5mm	M <sup>2</sup>	15.00	1.203	Rp	115,000.00	Rp	1,725,000.00
5	Pintu Kmr. Mandi PVC	Unit	1.00	0.244	Rp	350,000.00	Rp	350,000.00
Sub Total Pintu & Jendela							Rp	13,960,000.00
<b>I</b>								
<i>AKSESORIS PINTU DAN JENDELA</i>								
1	Smart Door Lock Pintu Depan merk Dekson	Unit	1.00	1.291	Rp	1,850,000.00	Rp	1,850,000.00
2	Handle Pintu Kamar & Pintu Belakang	Unit	3.00	0.314	Rp	150,000.00	Rp	450,000.00

3	Engsel Pintu 3 Unit/Pintu	Unit	12.00	0.209	Rp	25,000.00	Rp	300,000.00
4	Engsel Jendela 2 Unit/Jendela	Unit	10.00	0.174	Rp	25,000.00	Rp	250,000.00
Sub Total Aksesoris Pintu & Jendela							Rp	2,850,000.00
J	<i>PENGECATAN</i>							
1	Dinding Dalam	M <sup>2</sup>	180.50	1.637	Rp	13,000.00	Rp	2,346,500.00
2	Dinding Luar	M <sup>2</sup>	95.40	0.998	Rp	15,000.00	Rp	1,431,000.00
3	Plafond	M <sup>2</sup>	54.20	0.454	Rp	12,000.00	Rp	650,400.00
4	Fasade	M <sup>2</sup>	15.50	0.162	Rp	15,000.00	Rp	232,500.00
Sub Total Pengecatan							Rp	4,660,400.00
K	<i>SANITAIR</i>							
1	Kloset Duduk merk Toto	Unit	1.00	1.395	Rp	2,000,000.00	Rp	2,000,000.00
2	Pipa PVC 4 inch	M'	31.00	1.190	Rp	55,000.00	Rp	1,705,000.00
3	Pipa PVC 3 inch	M'	16.00	0.447	Rp	40,000.00	Rp	640,000.00
4	Pipa PVC 1/2 inch	M'	31.00	0.260	Rp	12,000.00	Rp	372,000.00
5	Kran Kmr. Mandi (single) merk Toto	pcs	1.00	0.174	Rp	250,000.00	Rp	250,000.00
6	Kran (Depan+Dapur) merk Toto	pcs	2.00	0.049	Rp	35,000.00	Rp	70,000.00
7	Shower	pcs	1.00	0.140	Rp	200,000.00	Rp	200,000.00
8	Stop Kran Kloset + Jet Washer	pcs	2.00	0.084	Rp	60,000.00	Rp	120,000.00
9	Floor Drain	pcs	2.00	0.056	Rp	40,000.00	Rp	80,000.00
10	Inlet Talang	pcs	4.00	0.056	Rp	20,000.00	Rp	80,000.00

11	Sumur Bor ± 12m, Pompa Air, Rumah Pompa + Instalasi Pipa	LS	1.00	2.442	Rp 3,500,000.00	Rp	3,500,000.00
12	Septitank Uk. 1x1x1,2M	LS	1.00	0.698	Rp 1,000,000.00	Rp	1,000,000.00
	Sub Total Sanitair					Rp	10,017,000.00
L	<i>INSTALASI LISTRIK</i>						
1	Stop Kontak merk Panasonic	Titik	6.00	0.628	Rp 150,000.00	Rp	900,000.00
2	Titik Cahaya (termasuk Lampu Armatur)	Titik	12.00	2.009	Rp 240,000.00	Rp	2,880,000.00
3	Panel MCB 2 Phase	Unit	1.00	0.070	Rp 100,000.00	Rp	100,000.00
4	Grounding	Titik	1.00	0.070	Rp 100,000.00	Rp	100,000.00
	Sub Total Instalasi Listrik					Rp	3,980,000.00
	<i>LAIN - LAIN</i>						
1	Carport (Rabat Beton)	M <sup>2</sup>	6.00	0.167	Rp 40,000.00	Rp	240,000.00
2	Taman	M <sup>2</sup>	6.82	0.238	Rp 50,000.00	Rp	341,000.00
3	Blumbak t = 12cm	M <sup>2</sup>	2.70	0.094	Rp 50,000.00	Rp	135,000.00
4	Decker t = 12cm	M <sup>2</sup>	4.00	1.005	Rp 360,000.00	Rp	1,440,000.00
5	Pasangan Kitchen Set (Dinding + Meja Granit HT 60x60cm + Kitchen Sink + Kran)	LS	1.00	0.837	Rp 1,200,000.00	Rp	1,200,000.00
6	Perapihan dan Pembersihan Akhir	LS	1.00	0.209	Rp 300,000.00	Rp	300,000.00
	Sub Total Lain - Lain					Rp	3,656,000.00
	TOTAL ANGGARAN 1 UNIT RUMAH TIPE 45					Rp	143,332,840.00
	TOTAL ANGGARAN 57 UNIT RUMAH TIPE 45					Rp	8,169,971,880.00



Lampiran 17 Naskah Wawancara dengan Pimpinan Proyek Perumahan Sahira Regency Cirebon

Deskripsi Wawancara :

1. Peneliti = Romadanarto Pratama
2. Responden = Joko Wuryanto, S.T.
3. Jabatan = Pimpinan Proyek
4. Lokasi = Proyek Rumah Tipe 45 Sahira Regency Cirebon  
Jawa Barat
5. Metode Wawancara = Video Rekaman Wawancara

Naskah Wawancara :

Peneliti : Selamat siang Bapak Joko

Responden : Selamat siang kembali Mas Arto

Peneliti : Baik pak, pada kesempatan kali ini saya ingin bertanya mengenai hal – hal yang penting seputar Proyek Perumahan Tipe 45 pada Sahira Regency Cirebon ini Pak Joko

Responden : Boleh – boleh mas kita bisa bantu ya mas. Silahkan

Peneliti : Baik pak, yang pertama kapan ya pak proyek ini dimulai?

Responden : Proyek ini kita mulai pada tanggal 9 Agustus 2021.

Peneliti : Baik Pak, untuk total anggaran yang tertera pada RAB untuk pembangunan rumah Tipe 45 jumlahnya berapa ya pak?

Responden : Total nilai Rupiah Pembangunan rumah tipe 45 sebesar lebih kurang 8,5 Miliar Rupiah

Peneliti : Baik pak, total unit rumah tipe 45 ada berapa ya pak?



- Responden : Total tipe 45 yang akan kita bangun sebanyak 57 Unit rumah tipe 45
- Peneliti : berarti pembangunan 57 unit rumah tipe 45 mempunyai anggaran total pembangunan sebesar lebih kurang 8,5m ya Pak Joko
- Responden : Betul mas Arto.
- Peneliti : Baik Pak, Untuk berapa durasi hari pekerjaan dalam satu minggu? Apakah terdapat hari libur?
- Responden : Dalam satu minggu kita bekerja senin sampai hari sabtu, untuk hari minggu dan hari Raya Lebaran kita libur mas, pada prinsipnya dalam satu minggu kita 6 hari kerja.
- Peneliti : Baik pak, untuk progress sekarang pembangunan rumah tipe 45 sampai dimana ya pak?
- Responden : Untuk posisi per hari, prestasi yang ada 75% jadi kalau progress sudah sampai penutup atap, plesteran, dan pemasangan plafon.
- Peneliti : Lalu dalam perencanaan durasi waktu pelaksanaan pembangunan rumah tipe 45 berapa lama ya pak?
- Responden : Untuk yang pembangunan rumah contoh tipe 45 memakan waktu 102 Hari, seharusnya 90 Hari kalender saja.
- Peneliti : Baik Pak, berarti untuk penjadwalan mengalami permasalahan yaitu keterlambatan proyek ya pak.
- Responden : Betul mas, progress proyek ini mengalami keterlambatan.
- Peneliti : Baik Pak Joko.
- Peneliti : Baik pak selanjutnya kalau boleh tau pak, mengapa bisa terjadi penambahan waktu durasi proyek? Apakah ada masalah pak?

- Responden : Kalau kita analisis keterlambatan proyek ada 2 hal yang menjadi konsen kita, yang pertama kesalahan pemilihan tenaga kerja, yang kedua adalah tidak adanya tenaga supervisor lapangan yang bisa melakukan monitoring dan pengendalian proyek, sehingga ada kesalahan dan penyesuaian terhadap penjadwalan, yang membuat keterlambatan proyek.
- Peneliti : Baik pak, apakah permasalahan tersebut mempengaruhi hasil dari produk rumah contoh tersebut?
- Responden : Pasti ada mas, yang bisa kami evaluasi adalah masalah yang ada adalah penjadwalan yang terlambatan/mundur, mutu pekerjaan yang tidak sesuai, *quality control* tidak terjaga, sehingga terdapat tambahan *overhead cost*.
- Peneliti : Lalu untuk pembangunan satu rumah dikerjakan oleh berapa orang ya pak maksimal?
- Responden : Stadart kita ada 6 orang personil, bervariasi ya mas ada mulai dari ladan, tukang yang sesuai dengan spesifikasi pekerjaan, intinya jumlah 6 orang personil adalah ideal untuk satu unit.
- Peneliti : Selanjutnya apakah permasalahan keterlambatan proyek bisa dicarikan solusinya?
- Responden : Bisa mas, harus bisa mas, karena progress proyek ini harus kita jaga, mau tidak mau kita harus ada penambahan tenaga kerja, menambahkan waktu penyelesaian, itu yang harus kita benahi.
- Peneliti : Baik pak, jika saya ingin meneliti tentang penambahan tenaga kerja, kira – kira proyek ini dapat menambah tenaga kerja berapa persen dari tenaga kerja normal pak?

- Responden : Kalau penambahan tenaga kerja kira kira maksimal itu 40%, pertama saya melihat keterlambatan, rencana saya mau menambahkan 40% dari tenaga yang ada.
- Peneliti : Pak jika saya ingin merencanakan pekerjaan yang berlangsung pada malam atau lebih dari pukul 17:00 WIB, apakah mendapatkan izin dari penduduk sekitar? Atau bagaimana pak?
- Responden : Mau tidak mau memang jika penambahan tenaga kerja sudah ada, durasi waktu harus kita tambah, artinya akhir pemula itu harus mundur, atau bisa mengajukan lembur, saat pembelakuan jam kerja lembur juga kita cek untuk kenyamanan warga sekitar.
- Peneliti : Baik pak, jadi untuk ini saya ingin mencoba meneliti rencana percepatan durasi proyek dengan menggunakan metode percepatan, dari tiga alternatif percepatan yaitu yang pertama ada penambahan tenaga kerja sebanyak 40% dari tenaga kerja normal, lalu ada pemberlakuan jam kerja lembur sebanyak 3 jam dalam satu hari, dan pemberlakuan sistem shift kerja sebanyak 2 shift dalam satu hari.
- Peneliti : Berdasarkan hasil wawancara tadi, dapat mendukung untuk penelitian ini ya pak?
- Responden : Bisa, saya pastikan bisa mendukung dan mengejar keterlambatan mas, saya pastikan bisa.
- Peneliti : Baik pak, saya kira cukup, saya mohon maaf jika ada salah – salah kata, saya ucapkan terima kasih pak atas bantuannya, Pak Joko dan Pak Yudi.
- Responden : Sama – sama mas, atas nama proyek Sahira Regency Cirebon di Kelurahan Kaliwadas, Kecamatan Sumber, Kabupaten Cirebon, Kami ucapkan terima kasih, mudah

mudahan kami bisa mendukung proses pengambilan data dan dapat melancarkan proses skripsi mas Arto.

Peneliti : Baik pak terima kasih pak.



Lampiran 18 Dokumentasi Observasi Lapangan dan Dokumentas Diskusi





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