

LEMBAR MONITORING PELAKSANAAN TUGAS AKHIR

OPTIMASI BIAYA PADA PEMBANGUNAN PERUMAHAN PURI CEMPAKA YOGYAKARTA

Nama Mahasiswa : Maulidaini
 No Mahasiswa : 20010110114
 Fakultas / Jurusan : Teknik / Teknik Sipil
 Pembimbing I : M. Heri Zulfiar, ST, MT
 Pembimbing II : Ir. As'at Pujiyanto

No	Tanggal	Keterangan	Paraf
1	21 Maret '07	<ul style="list-style-type: none"> • Perbaiki tabel least cost analysis • Pelajari lagi NWP. 	
2	5 Juni '07	<ul style="list-style-type: none"> - Perbaiki penulisan, tabel, & gambar - Perbaiki data: 	Pi.
3	7 Agustus	<ul style="list-style-type: none"> - hoef penambahan Tk → durasi pemendekan hoef faktor 	Pi.
4	24 Agustus	<ul style="list-style-type: none"> - Perbaiki Tabel. 	Pi.
	21 Sept 07	<ul style="list-style-type: none"> - Teori optimasi pelajaran - Lakukan updating schedule 	Pi.
	29 Okt 07	<ul style="list-style-type: none"> - Pembahasan - Kesimpulannya. - Ah. optimasi (grafik) - Masalah lain 	Pi.
	6 Nov 07	<ul style="list-style-type: none"> * Perbaiki kesimpulan & saran * Lengkapi bab pendahuluan 	Pi.

Identifikasi Biaya Proyek

No	Pekerjaan	Volume	Satuan	Harga Satuan	Total Biaya	Biaya Langsung	Biaya Tdk Langsung	Percent %
						Total Biaya	Total Biaya	
1	Pengadaan Lahan	105	m ²	550,000	57,750,000	53,707,500	4,042,500	0.44
2	Urug	32	m ³	30,000	954,000	887,220	66,780	0.01
3	Bouplank	22	Unit	8,500	187,000	173,910	13,090	0.00
4	Galian Pondasi	34	m ³	15,000	511,500	475,695	35,805	0.00
5	Pondasi Batu Kali	28	m ³	280,000	7,812,000	7,265,160	546,840	0.06
6	Sloof	62	m ¹	45,000	2,790,000	2,594,700	195,300	0.02
7	Kolom Praktis	75	m ¹	46,000	3,438,500	3,197,805	240,695	0.03
8	Ring Balk	65	m ¹	47,000	3,031,500	2,819,295	212,205	0.02
9	Ring Balk Gunung-gunung	9	m ¹	48,500	412,250	383,393	28,858	0.00
10	Pasangan Dinding Bata	170	m ²	46,500	7,881,750	7,330,028	551,723	0.06
11	Pasangan Dinding Bata Diatas Ring	75	m ²	48,000	3,576,000	3,325,680	232,798	0.03
12	Plester + Acian	278	m ²	22,500	6,243,750	5,806,688	437,063	0.05
13	Plester + aAcian Gunung-gunung	23	m ²	23,500	540,500	502,665	37,835	0.00
14	Keramik Lantai	69	m ²	72,500	4,966,250	4,618,613	347,638	0.04
15	Atap	70	m ²	140,000	9,800,000	9,114,000	686,000	0.07
16	Kusen Pintu	7	Unit	325,000	2,275,000	2,115,750	159,250	0.02
17	Kusen Jendela	4	Unit	23,000	92,000	85,560	6,440	0.00
18	Daun Pintu	7	Unit	575,000	4,025,000	3,743,250	281,750	0.03
19	Daun Jendela	4	Unit	325,000	1,300,000	1,209,000	91,000	0.01
20	Sumur dan Peresapan	17	m1	140,000	2,380,000	2,213,400	166,600	0.02
21	Bak Penampung + Tiang	1	Unit	900,000	900,000	837,000	63,000	0.01
22	WC / KM	1	Unit	1,000,000	1,000,000	930,000	70,000	0.01
23	Cat Dinding	278	m ²	8,500	2,358,750	2,193,638	165,113	0.02
24	Cat Kusen Pintu	63	m ¹	22,500	1,417,500	1,318,275	99,225	0.01
25	Cat Kusen Jendela	63	m ¹	22,500	1,417,500	1,318,275	99,225	0.01
26	Cat Daun Pintu	7	Unit	80,000	560,000	520,800	39,200	0.00
27	Cat Daun Jendela	4	Unit	50,000	200,000	186,000	14,000	0.00
28	PLN 1300 VA	1	Unit	2,300,000	2,300,000	2,139,000	161,000	0.02
29	Lampu + Stop Kontak	12	Titik	120,000	1,440,000	1,339,200	100,800	0.01
					131,560,750	122,351,498	9,209,253	1.00

JAMPIAN 2

Kebutuhan Tenaga Kerja Terhadap Volume dan Durasi Pekerjaan Struktur dengan Waktu Normal

no keg	kegiatan	Dn	Volume	sat	Koefisien		Kebutuhan		
					PK	TK	PK	TK	
1	Pengadaan Lahan	1,4	105	m ²	0,1	0,0000	7,5	0,0	7,5
2	Urug	3	32	m ³	0,192	0,0000	2,0	0,0	2,0
3	Bouplatik	1	22	Unit	0,1	0,1	2,2	2,2	4,4
4	Galian Pondasi	5	34	m ³	0,4	0,0000	2,7	0,0	2,7
5	Pondasi Batu kali	8	28	m ³	1,5	0,6	5,2	2,1	7,3
6	Sloof	5	62	m ¹	0,3	0,26	3,7	3,2	6,9
7	Kolom Praktis	6	75	m ¹	0,3	0,26	3,7	3,2	7,0
8	Ring Balok	2	65	m ¹	0,1	0,033	3,2	1,1	4,3
9	Ring Balok Gunung-gunung	1	9	m ¹	0,1	0,033	0,9	0,3	1,1
10	Pasangan Dinding Bata	11	170	m ²	0,65	0,2	10,0	3,1	13,1
11	Pasangan Dinding Bata Datas Ring	8	75	m ²	0,66	0,20	6,1	1,9	7,9
12	Plester + Adan	11	278	m ²	0,20	0,15	5,0	3,8	8,8
13	Plester + Adan Gunung-gunung	2	23	m ²	0,20	0,15	2,3	1,7	4,0
14	Keramik Lantai	6	69	m ²	0,62	0,35	7,1	4,0	11,1
15	Atap	4	70	m ²	0,20	0,10	3,5	1,8	5,3
16	Kusen Pintu	11	7	Unit	6,00	18,00	3,8	11,5	15,3
17	Kusen Jendela	6	4	Unit	6,00	18,00	4,0	12,0	16,0
18	Daun Pintu	2	7	Unit	0,80	2,00	2,8	7,0	9,8
19	Daun Jendela	2	4	Unit	0,80	2,00	1,6	4,0	5,6
20	Bak Penampung	1	1	Unit	2,10	0,75	2,1	0,8	2,9
21	WC / KM	1	1	Unit	1,00	1,50	1,0	1,5	2,5
22	Cat Dinding	6	278	m ²	0,02	0,06	0,9	2,9	3,8
23	Cat Kusen Pintu	1	63	m ¹	0,07	0,01	4,4	0,6	5,0
24	Cat Kusen Jendela	1	63	m ¹	0,07	0,01	4,4	0,6	5,0
25	Cat Daun Pintu	1	7	Unit	0,07	0,01	0,5	0,1	0,6
26	Cat Daun Jendela	1	4	Unit	0,07	0,01	0,3	0,0	0,3

LAMPIRAN 3

Durasi akibat penambahan tenaga kerja 2x

no	kegiatan	1 m2		luas area m2	luas area ft2	kebutuhan			Dn
						PK	TK	jlh kel krj	
1	Pengadaan Lahan	10.76	ft2	105	1129.8	15.00	0.0	15	0.7
2	Urug	10.76	ft3	105	1129.8	4.00	0.0	4	1.5
3	Bouplank	10.76	ft4	105	1129.8	4.40	4.4	8.8	0.5
4	Galian Pondasi	10.76	ft2	92	989.92	5.40	0.0	5.4	2.5
5	Pondasi Batu Kali	10.76	ft2	92	989.92	10.40	4.2	14.6	4
6	Sloof	10.76	ft2	65.5	704.78	7.40	6.4	13.8	2.5
7	Kolom Praktis	11.76	ft3	92	1081.92	7.40	6.4	13.8	3.0
8	Ring Balk	10.76	ft2	64.5	694.02	6.40	2.2	8.6	1
9	Ring Balk Gunung-gunung	11.76	ft3	64.5	758.52	1.80	0.6	2.4	0.5
10	Pasangan Dinding Bata	10.76	ft2	65.5	704.78	20.00	6.2	26.2	5.5
11	Pasangan Dinding Bata Diatas Ring	10.76	ft2	65.5	704.78	12.20	3.8	16	4
12	Plester + Acian	11.76	ft3	65.5	770.28	10.00	7.6	17.6	5.5
13	Plester + Acian Gunung-gunung	12.76	ft4	65.5	835.78	4.60	3.4	8	1.0
14	Keramik Lantai	10.76	ft2	64	688.64	14.20	8.0	22.2	3
15	Atap	10.76	ft2	64	688.64	7.00	3.6	10.6	2
16	Kusen Pintu	11.76	ft3	12.6	148.176	7.60	23.0	30.6	5.5
17	Kusen Jendela	12.76	ft4	5.6	71.456	8.00	24.0	32	3.0
18	Daun Pintu	13.76	ft5	12.6	173.376	5.60	14.0	19.6	1.0
19	Daun Jendela	14.76	ft6	5.6	82.656	3.20	8.0	11.2	1.0
20	Bak Penampung	15.76	ft7	2.85	44.916	4.20	1.6	5.8	0.5
21	WC / KM	16.76	ft8	2.85	47.766	2.00	3.0	5	0.5
22	Cat Dinding	10.76	ft2	65.5	704.78	1.80	5.8	7.6	3
23	Cat Kusen Pintu	11.76	ft3	12.6	148.176	8.80	1.2	10	0.5
24	Cat Kusen Jendela	12.76	ft4	5.6	71.456	8.80	1.2	10	0.5
25	Cat Daun Pintu	13.76	ft5	12.6	173.376	1.00	0.2	1.2	0.5
26	Cat Daun Jendela	14.76	ft6	5.6	82.656	0.60	0.0	0.6	0.5

LAMPIRAN 4

Durasi akibat penambahan tenaga kerja 3x

no keg	kegiatan	1 m2		luas area		kebutuhan			Dn
				m2	ft2	PK	TK	Jlh kel.krj	
1	Pengadaan Lahan	10.76	ft2	105	1129.8	22.5	0.0	22.5	0.46
2	Urug	10.76	ft3	105	1129.8	6.0	0.0	6	1.0
3	Bouplank	10.76	ft4	105	1129.8	6.6	6.6	13.2	0.3
4	Galian Pondasi	10.76	ft2	92	989.92	8.1	0.0	8.1	1.67
5	Pondasi Batu Kali	10.76	ft2	92	989.92	15.6	6.3	21.9	2.67
6	Sloof	10.76	ft2	65.5	704.78	11.1	9.6	20.7	1.67
7	Kolom Praktis	11.76	ft3	92	1081.92	11.1	9.6	20.7	2.0
8	Ring Balk	10.76	ft2	64.5	694.02	9.6	3.3	12.9	0.67
9	Ring Balk Gunung-gunung	11.76	ft3	64.5	758.52	2.7	0.9	3.6	0.3
10	Pasangan Dinding Bata	10.76	ft2	65.5	704.78	30.0	9.3	39.3	3.66
11	Pasangan Dinding Bata Diatas Ring	10.76	ft2	65.5	704.78	18.3	5.7	24	2.67
12	Plester + Acian	11.76	ft3	65.5	770.28	15.0	11.4	26.4	3.7
13	Plester + Acian Gunung-gunung	12.76	ft4	65.5	835.78	6.9	5.1	12	0.7
14	Keramik Lantai	10.76	ft2	64	688.64	21.3	12.0	33.3	2
15	Atap	10.76	ft2	64	688.64	10.5	5.4	15.9	1.33
16	Kusen Pintu	11.76	ft3	12.6	148.176	11.4	34.5	45.9	3.7
17	Kusen Jendela	12.76	ft4	5.6	71.456	12.0	36.0	48	2.0
18	Daun Pintu	13.76	ft5	12.6	173.376	8.4	21.0	29.4	0.7
19	Daun Jendela	14.76	ft6	5.6	82.656	4.8	12.0	16.8	0.7
20	Bak Penampung	15.76	ft7	2.85	44.916	6.3	2.4	8.7	0.3
21	WC / KM	16.76	ft8	2.85	47.766	3.0	4.5	7.5	0.3
22	Cat Dinding	10.76	ft2	65.5	704.78	2.7	8.7	11.4	2
23	Cat Kusen Pintu	11.76	ft3	12.6	148.176	13.2	1.8	15	0.3
24	Cat Kusen Jendela	12.76	ft4	5.6	71.456	13.2	1.8	15	0.3
25	Cat Daun Pintu	13.76	ft5	12.6	173.376	1.5	0.3	1.8	0.3
26	Cat Daun Jendela	14.76	ft6	5.6	82.656	0.9	0.0	0.9	0.3

Tabel Penurunan Produktifitas akibat penambahan tenaga 2x

kegiatan	Durasi penambahan 2x	Luas ft ²	Kel Pekerja/hr	luasan per pekerja	penurunan produktifitas		Durasi karena penurunan
					%	koefisien	
Pengadaan Lahan	0.7	1129.8	15	75.32	47.5	1.475	1.03
Galian Pondasi	2.5	989.92	5.4	183.32	2.5	1.025	2.56
Pondasi Batu Kali	4	989.92	14.6	67.80	47.6	1.476	5.90
Sloof	2.5	704.78	13.8	51.07	56.25	1.5625	3.91
Ring Balk	1	694.02	8.4	82.62	37.6	1.376	1.38
Pasangan Dinding Bata	5.5	704.78	26.2	26.90	70	1.7	9.35
Pasangan Dinding Bata Diatas Ring	4	704.78	16	44.05	62.5	1.625	6.50
Keramik Lantai	3	688.64	22.2	31.02	67.7	1.677	5.03
Atap	2	688.64	10.6	64.97	50	1.5	3.00
Cat Dinding	3	704.78	7.6	92.73	32.5	1.325	3.98

LAMPIRAN 6

Tabel Penurunan Produktifitas akibat penambahan 3x

kegiatan	Durasi penambahan 3x	Luas ft ²	Kel Pekerja/hr	luasan per pekerja	penurunan produktifitas		Durasi karena penurunan
					%	koefisien	
Pengadaan Lahan	0.46	1129.8	22.5	50.21	60	1.6	0.74
Galian Pondasi	1.67	989.92	8	123.74	16.25	1.1625	1.94
Pondasi Batu Kali	2.67	989.92	22	45.00	61.25	1.6125	4.30
Sloof	1.67	704.78	21	33.58	67.5	1.675	2.79
Ring Balk	0.67	694.02	13	53.39	56.25	1.5625	1.04
Pasangan Dinding Bata	3.67	704.78	39	18.07	82.5	1.825	6.69
Pasangan Dinding Bata Diatas Ring	2.67	704.78	24	29.37	68.75	1.6875	4.50
Keramik Lantai	2.00	688.64	33	20.87	73.75	1.7375	3.48
Atap	1.33	688.64	16	43.04	61.25	1.6125	2.15
Cat Dinding	2.00	704.78	11	64.07	50	1.5	3.00

LAMPIRAN 7

Tabel Upah Tenaga Kerja dengan Durasi Normal (hari)

kegiatan	Dn hr	Vol	sat	Upah Tenaga Kerja/ hari		Total upah (Rp)
				PK	TK	
Pengadaan Lahan	1.4	105	m ²	190,000	-	266,000
Urug	3	32	m ³	50,000	-	150,000
Bouplank	1	22	Unit	55,000	66,000	121,000
Galian Pondasi	5	34	m ³	67,500	-	337,500
Pondasi Batu Kali	8	28	m ³	130,000	63,000	1,544,000
Sloof	5	62	m ¹	92,500	96,000	942,500
Kolom Praktis	6	75	m ¹	92,500	96,000	1,131,000
Ring Balk	2	65	m ¹	80,000	33,000	226,000
Ring Balk Gunung-gunung	1	9	m ¹	22,500	9,000	31,500
Pasangan Dinding Bata	11	170	m ²	250,000	93,000	3,773,000
Pasangan Dinding Bata Diatas Ring	8	75	m ²	152,500	57,000	1,676,000
Plester + Acian	11	278	m ²	125,000	114,000	2,629,000
Plester + Acian Gunung-gunung	2	23	m ²	557,500	51,000	1,217,000
Keramik Lantai	6	69	m ²	677,500	120,000	4,785,000
Atap	4	70	m ²	87,500	54,000	566,000
Kusen Pintu	11	7	Unit	95,000	345,000	4,840,000
Kusen Jendela	6	4	Unit	100,000	360,000	2,760,000
Daun Pintu	2	7	Unit	70,000	210,000	560,000
Daun Jendela	2	4	Unit	40,000	120,000	320,000
Bak Penampung	1	1	Unit	52,500	24,000	76,500
WC / KM	1	1	Unit	25,000	45,000	70,000
Cat Dinding	6	278	m ²	22,500	87,000	657,000
Cat Kusen Pintu	1	63	m ¹	110,000	18,000	128,000
Cat Kusen Jendela	1	63	m ¹	110,000	18,000	128,000
Cat Daun Pintu	1	7	Unit	12,500	3,000	15,500
Cat Daun Jendela	1	4	Unit	7,500	-	7,500

28,958,000

LAMPIRAN 8

Tabel Upah Tenaga Kerja akibat penambahan tenaga 2x

kegiatan	Dn hr	Vol	sat	Tenaga Kerja/ hari		Total upah (Rp)
				PK	TK	
Pengadaan Lahan	1,4	105	m ²	380,000	-	532,000
Urug	3	32	m ³	100,000	-	300,000
Bouplank	1	22	Unit	110,000	132,000	242,000
Galian Pondasi	5	34	m ³	135,000	-	675,000
Pondasi Batu Kali	8	28	m ³	260,000	126,000	3,088,000
Sloof	5	62	m ¹	185,000	192,000	1,885,000
Kolom Praktis	6	75	m ¹	185,000	192,000	2,262,000
Ring Balk	2	65	m ¹	160,000	66,000	452,000
Ring Balk Gunung-gunung	1	9	m ¹	45,000	18,000	63,000
Pasangan Dinding Bata	11	170	m ²	500,000	186,000	7,546,000
Pasangan Dinding Bata Diatas Ring	8	75	m ²	305,000	114,000	3,352,000
Plester + Acian	11	278	m ²	250,000	228,000	5,258,000
Plester + Acian Gunung-gunung	2	23	m ²	7,500	102,000	219,000
Keramik Lantai	6	69	m ²	355,000	240,000	3,570,000
Atap	4	70	m ²	5,000	108,000	452,000
Kusen Pintu	11	7	Unit	190,000	690,000	9,680,000
Kusen Jendela	6	4	Unit	900,000	720,000	9,720,000
Daun Pintu	2	7	Unit	100,000	420,000	1,040,000
Daun Jendela	2	4	Unit	100,000	240,000	680,000
Bak Penampung	1	1	Unit	37,500	48,000	85,500
WC / KM	1	1	Unit	75,000	90,000	165,000
Cat Dinding	6	278	m ²	45,000	174,000	1,314,000
Cat Kusen Pintu	1	63	m ¹	220,000	36,000	256,000
Cat Kusen Jendela	1	63	m ¹	220,000	36,000	256,000
Cat Daun Pintu	1	7	Unit	25,000	6,000	31,000
Cat Daun Jendela	1	4	Unit	15,000	-	15,000

53,138,500

LAMPIRAN 9

Tabel Upah Tenaga Kerja akibat penambahan tenaga 3x

kegiatan	Dn hr	Vol	sat	Tenaga Kerja/ hari		Total upah (Rp)
				PK	TK	
Pengadaan Lahan	1.4	105	m ²	700,000	-	980,000
Urug	3	32	m ³	150,000	-	450,000
Bouplank	1	22	Unit	165,000	198,000	363,000
Galian Pondasi	5	34	m ³	202,500	-	1,012,500
Pondasi Batu Kali	8	28	m ³	390,000	189,000	4,632,000
Sloof	5	62	m ¹	277,500	288,000	2,827,500
Kolom Praktis	6	75	m ¹	277,500	288,000	3,393,000
Ring Balk	2	65	m ¹	240,000	99,000	678,000
Ring Balk Gunung-gunung	1	9	m ¹	67,500	27,000	94,500
Pasangan Dinding Bata	11	170	m ²	750,000	279,000	11,319,000
Pasangan Dinding Bata Diatas Ring	8	75	m ²	457,500	171,000	5,028,000
Plester + Acian	11	278	m ²	375,000	342,000	7,887,000
Plester + Acian Gunung-gunung	2	23	m ²	172,500	153,000	651,000
Keramik Lantai	6	69	m ²	532,500	360,000	5,355,000
Atap	4	70	m ²	262,500	162,000	1,698,000
Kusen Pintu	11	7	Unit	285,000	1,035,000	14,520,000
Kusen Jendela	6	4	Unit	300,000	1,080,000	8,280,000
Daun Pintu	2	7	Unit	210,000	630,000	1,680,000
Daun Jendela	2	4	Unit	120,000	360,000	960,000
Bak Penampung	1	1	Unit	157,500	72,000	229,500
WC / KM	1	1	Unit	75,000	135,000	210,000
Cat Dinding	6	278	m ²	67,500	261,000	1,971,000
Cat Kusen Pintu	1	63	m ¹	330,000	54,000	384,000
Cat Kusen Jendela	1	63	m ¹	330,000	54,000	384,000
Cat Daun Pintu	1	7	Unit	37,500	9,000	46,500
Cat Daun Jendela	1	4	Unit	22,500	-	22,500

75,033,500

Kegiatan	Durasi Dari Penambahan 2X		Biaya		Biaya	Hari	Biaya/Durasi
	Normal	pemendekkan	Normal	pemendekkan			
Pengadaan Lahan	1.4	0.7	266,000	532,000	266,000	0.7	380,000
Urug	3	1.5	150,000	300,000	150,000	1.5	100,000
Bouplank	1	0.5	121,000	242,000	121,000	0.5	242,000
Galian Pondasi	5	2.5	337,500	675,000	337,500	2.5	135,000
Pondasi Batu Kali	8	4	1,544,000	3,088,000	1,544,000	4	386,000
Sloof	5	2.5	942,500	1,885,000	942,500	2.5	377,000
Kolom Praktis	6	3.0	1,131,000	2,262,000	1,131,000	3	377,000
Ring Balk	2	1	226,000	452,000	226,000	1	226,000
Ring Balk Gunung-gunung	1	0.5	31,500	63,000	31,500	0.5	63,000
Pasangan Dinding Bata	11	5.5	3,773,000	7,546,000	3,773,000	5.5	686,000
Pasangan Dinding Bata Diatas Ring	8	4	1,676,000	3,352,000	1,676,000	4	419,000
Plester + Acian	11	5.5	2,629,000	5,258,000	2,629,000	5.5	478,000
Plester + Acian Gunung-gunung	2	1.0	1,217,000	219,000	(998,000)	1	(998,000)
Keramik Lantai	6	3	4,785,000	3,570,000	(1,215,000)	3	(405,000)
Atap	4	2	566,000	452,000	(114,000)	2	(57,000)
Kusen Pintu	11	5.5	4,840,000	9,680,000	4,840,000	5.5	880,000
Kusen Jendela	6	3.0	2,760,000	9,720,000	6,960,000	3	2,320,000
Daun Pintu	2	1.0	560,000	1,040,000	480,000	1	480,000
Daun Jendela	2	1.0	320,000	680,000	360,000	1	360,000
Bak Penampung	1	0.5	76,500	85,500	9,000	0.5	18,000
WC / KM	1	0.5	70,000	165,000	95,000	0.5	190,000
Cat Dinding	6	3	657,000	1,314,000	657,000	3	219,000
Cat Kusen Pintu	1	0.5	128,000	256,000	128,000	0.5	256,000
Cat Kusen Jendela	1	0.5	128,000	256,000	128,000	0.5	256,000
Cat Daun Pintu	1	0.5	15,500	31,000	15,500	0.5	31,000
Cat Daun Jendela	1	0.5	7,500	0	(7,500)	0.5	(15,000)

28,958,000

Kegiatan	Durasi Dari Penambahan 3X		Biaya		Biaya	Hari	Biaya/Durasi
	Normal	pemendekkan	Normal	pemendekkan			
Pengadaan Lahan	1.4	0.46	266,000	980,000	714,000	0.94	759,574
Urug	3	1.0	150,000	450,000	300,000	2	150,000
Bouplank	1	0.3	121,000	363,000	242,000	0.67	361,194
Galian Pondasi	5	1.67	337,500	1,012,500	675,000	3.33	202,703
Pondasi Batu Kali	8	2.67	1,544,000	4,632,000	3,088,000	5.33	579,362
Sloof	5	1.67	942,500	2,827,500	1,885,000	3.33	566,066
Kolom Praktis	6	2.0	1,131,000	3,393,000	2,262,000	4	565,500
Ring Balk	2	0.67	226,000	678,000	452,000	1.33	339,850
Ring Balk Gunung-gunung	1	0.3	31,500	94,500	63,000	0.7	90,000
Pasangan Dinding Bata	11	3.66	3,773,000	11,319,000	7,546,000	7.34	1,028,065
Pasangan Dinding Bata Diatas Ring	8	2.67	1,676,000	5,028,000	3,352,000	5.33	628,893
Plester + Acian	11	3.7	2,629,000	7,887,000	5,258,000	7.34	716,349
Plester + Acian Gunung-gunung	2	0.7	1,217,000	651,000	(566,000)	1.33	(425,564)
Keramik Lantai	6	2	4,785,000	5,355,000	570,000	4	142,500
Atap	4	1.33	566,000	1,698,000	1,132,000	2.67	423,970
Kusen Pintu	11	3.7	4,840,000	14,520,000	9,680,000	7.34	1,318,801
Kusen Jendela	6	2.0	2,760,000	8,280,000	5,520,000	4	1,380,000
Daun Pintu	2	0.7	560,000	1,680,000	1,120,000	1.33	842,105
Daun Jendela	2	0.7	320,000	960,000	640,000	1.33	481,203
Bak Penampung	1	0.3	76,500	229,500	153,000	0.7	218,571
WC / KM	1	0.3	70,000	210,000	140,000	0.7	200,000
Cat Dinding	6	2	657,000	1,971,000	1,314,000	4	328,500
Cat Kusen Pintu	1	0.3	128,000	384,000	256,000	0.7	365,714
Cat Kusen Jendela	1	0.3	128,000	384,000	256,000	0.7	365,714
Cat Daun Pintu	1	0.3	15,500	46,500	31,000	0.7	44,286
Cat Daun Jendela	1	0.3	15,000	0	(15,000)	0.7	(21,429)

28,965,500