

**RENCANA ANGGARAN BIAYA**

PEKERJAAN : REDESAIN ASRAMA BALAI DIKLAT TRANSPORTASI DARAT TEGAL  
 LOKASI : KOTA TEGAL  
 TAHUN ANGGARAN : TAHUN 2007

RAB ASRAMA BALAI DIKLAT TRANSPORTASI DARAT TEGAL

<b>A. PEKERJAAN PERSIAPAN :</b>							
No.	Uraian Pekerjaan	Analisa	Volume	Sat.	Harga Satuan Rp.	Jumlah Harga Rp.	Jumlah Rp.
<b>PEKERJAAN PERSIAPAN :</b>							
1	Pembersihan lapangan	A001	911.78	m2	5,142.00	4,688,372.76	
2	Pagar Sementara Dari Seng Gelombang Tinggi 2 m2	A002	177.00	m2	659,394.00	116,712,738.00	
3	Pengukuran dan Pemasangan Bouwplank	A003	209.40	m'	40,676.00	8,517,554.40	
4	Direksi Keet	taksir	1.00	ls	1,500,000.00	1,500,000.00	
5	Pembuatan Gudang Semen & Alat-Alat	taksir	1.00	ls	1,000,000.00	1,000,000.00	
6	Penyediaan air kerja	taksir	1.00	ls	1,000,000.00	1,000,000.00	
7	Papan nama proyek	taksir	1.00	ls	300,000.00	300,000.00	
8	IMB	taksir	1,500.00	m2	3,500.00	5,250,000.00	
							138,968,665.16
<b>A. PEKERJAAN PERSIAPAN :</b>							<b>138,968,665.16</b>
<b>B. PEKERJAAN STRUKTUR DAN ATAP :</b>							
No.	Uraian Pekerjaan	Analisa	Volume	Sat.	Harga Satuan Rp.	Jumlah Harga Rp.	Jumlah Rp.
<b>I. PEK. TANAH :</b>							
1	Galian tanah struktur	A006	1,203.30	m3	25,325.00	30,473,572.50	
2	Galian tanah non struktur pondasi	A004	372.23	m3	13,794.00	5,134,540.62	
3	Urugan kembali	A014	722.97	m3	6,612.00	4,780,277.64	
							40,388,390.76
<b>II. PEK. BETON BERTULANG 1:2:3 :</b>							
<b>a. PEKERJAAN STRUKTUR LANTAI 1 :</b>							
1	Sirtu	A020	181.14	m3	80,261.00	14,538,477.54	
2	Lantai kerja 1:3:5 bwk/sloof t = 5 cm	A024	30.76	m3	449,871.00	13,838,031.96	
3	Beton balok RIB	A026 B	33.90	m3	2,252,195.00	76,349,410.50	
4	Beton balok sloof	A026 B	37.08	m3	2,252,195.00	83,511,390.60	
5	Beton plat pondasi	A026 A	90.29	m3	1,946,148.00	175,717,702.92	
6	Beton kolom struktur	A026 C	56.96	m3	3,784,747.00	215,579,189.12	
7	Beton balok induk	A026 D	47.68	m3	3,456,378.00	164,800,103.04	
8	Beton balok anak	A026 D	18.99	m3	3,016,416.00	57,281,739.84	
9	Beton plat lantai	A026 J	94.67	m3	3,889,212.00	368,191,700.04	
10	Beton plat daak canopy	A026 K	7.67	m3	4,325,237.00	33,174,567.79	
11	Beton listplank	A026 L	1.12	m3	2,228,117.00	2,495,491.04	
12	Tangga beton	A026 F	8.74	m3	3,040,859.00	26,577,107.66	
13	Water proofing daak canopy	taksir	76.70	m2	53,000.00	4,065,100.00	
14	Water stop beton	taksir	10.00	m'	54,000.00	540,000.00	
							1,236,660,012.05
<b>b. PEKERJAAN BETON BERTULANG LANTAI 2 :</b>							
1	Beton kolom struktur	A026 C	30.70	m3	3,429,747.00	105,293,232.90	
2	Beton balok ring atas	A026 D	11.32	m3	3,016,416.00	34,145,829.12	
3	Beton plat daak	A026 K	3.84	m3	4,325,237.00	16,608,910.08	
4	Water proofing daak	taksir	39.72	m2	53,000.00	2,105,160.00	
							158,153,132.10
<b>III. PEK. RANGKA ATAP DAN ATAP :</b>							
1	Kuda-kuda baja ( lengkap )	taksir	1,038.00	m2	182,000.00	188,916,000.00	
2	Atap genteng keramik glasur	A103 A5	1,038.00	m2	57,488.00	59,672,544.00	
3	Bubungan genteng keramik glasur	A108 A	140.60	m'	68,773.00	9,669,483.80	
4	Ornamen puncak atap	taksir	6.00	bh	125,000.00	750,000.00	
5	Corong talang ø 3" PVC	taksir	65.00	m'	40,000.00	2,600,000.00	
6	Saringan talang kuning	taksir	8.00	bh	25,000.00	200,000.00	
7	Listplank kayu bengkirai 2X2/20	A089	180.00	m'	95,298.00	17,153,640.00	
8	Flashing atap	taksir	14.00	m'	25,000.00	350,000.00	
9	Penangkal petir 4 spit 4 arde dan penjinan	taksir	1.00	lot	5,000,000.00	5,000,000.00	
							284,311,667.80
<b>B. PEKERJAAN STRUKTUR &amp; ATAP:</b>							<b>1,719,513,202.71</b>
<b>C. PEKERJAAN FINISHING ARSITEKTUR :</b>							
No.	Uraian Pekerjaan	Analisa	Volume	Sat.	Harga Satuan Rp.	Jumlah Harga Rp.	Jumlah Rp.
<b>a. PEK. FINISHING ARSITEKTUR LT. 1 :</b>							
<b>I. PEK. PONDASI BATU BELAH :</b>							
1	Pondasi batu belah 1:6	A048	124.03	m3	318,954.00	39,559,864.62	
2	Aanstamping	A045	56.38	m3	146,475.00	8,258,260.50	
3	Urug pasir bwk pondasi + urug pasir bwk rolag	A023	28.19	m3	82,818.00	2,334,639.42	
4	Urugan tanah peninggian bangunan t = 60 cm	taksir	384.35	m3	32,500.00	12,491,375.00	
							62,644,139.54
<b>II. PEK. PAS. BT. BATA / PLESTERAN :</b>							
1	Pas. rollag 1:3	A067	65.33	m2	56,519.00	3,692,386.27	
2	Pas. bt. bata 1:3	A067	371.83	m2	56,519.00	21,015,459.77	
3	Pas. bt. bata 1:6	A069 A	1,349.42	m2	51,372.00	69,322,404.24	
4	Plesteran 1:3	A071	743.63	m2	20,908.00	15,547,816.04	
5	Plesteran 1:6	A074 A	2,757.17	m2	18,512.00	51,040,731.04	
6	Plesteran beton	A071	326.54	m2	20,908.00	6,827,298.32	
7	Sponengan sudut	taksir	2,868.80	m'	3,000.00	8,606,400.00	
8	Beton praktis sloof	A026 I	289.70	m'	56,440.00	16,350,668.00	



PEK. FINISHING ARSITEKTUR LT. 1 :							932,518,516.62
No.	Uraian Pekerjaan	Analisa	Volume	Sat.	Harga Satuan Rp.	Jumlah Harga Rp.	Jumlah Rp.
<b>b. PEK.FINISHING ARSITEKTUR LT.2 :</b>							
<b>i. PEK. PAS.BT.BATA/PLESTERAN,BETON PRAKTIS :</b>							
1	Pas. bt. bata 1:3	A067	247.11	m2	56,519.00	13,966,410.09	
2	Pas. bt. bata 1:6	A069 A	1,337.60	m2	51,372.00	68,715,187.20	
3	Plesteran 1:3	A071	226.12	m2	20,908.00	4,727,716.96	
4	Plesteran 1:6	A074 A	2,675.18	m2	18,512.00	49,522,932.16	
5	Plesteran beton	A071	204.60	m2	20,908.00	4,277,776.80	
6	Sponengan sudut	taksir	2,192.06	m'	3,000.00	6,576,180.00	
7	Plesteran ban-banan dinding	taksir	132.00	m'	30,000.00	3,960,000.00	
8	Beton praktis kolom	A026 G	368.00	m'	38,154.00	14,040,672.00	
9	Beton praktis balok latei	A026 H	329.80	m'	44,418.00	14,649,056.40	
							180,435,931.61
<b>ii. PEK. PAS. KOSEN :</b>							
1	Kosen aluminium 4"	taksir	806.00	m'	75,000.00	60,450,000.00	
2	Raam jendela aluminium	taksir	299.00	m'	60,000.00	17,940,000.00	
3	Kaca bening 5 mm	A 152	80.56	m2	84,577.00	6,813,523.12	
4	Kaca boven 5 mm	A 152	27.56	m2	84,577.00	2,330,942.12	
5	Kunci tanam	A 148	52.00	bh	103,685.00	5,391,620.00	
6	Engsel pintu	A 149	156.00	bh	18,017.00	2,810,652.00	
7	Daun pintu double teakwood	A093	90.72	m2	426,753.00	38,715,032.16	
8	Pintu PVC lengkap kunci,engsel,kusen	taksir	26.00	unit	250,000.00	6,500,000.00	
9	Sun screen hollow finish cat	taksir	99.06	m2	200,000.00	19,812,000.00	
10	Engsel jendela	A 150	392.00	bh	9,845.00	3,859,240.00	
11	Grendel	taksir	196.00	bh	7,500.00	1,470,000.00	
12	Raam skor	taksir	392.00	bh	15,000.00	5,880,000.00	
							171,973,009.40
<b>iii. PEK. PLAFOND :</b>							
1	Plafond gypsum tebal 9 mm	A085 C	863.52	m2	128,558.00	111,012,404.16	
2	List tepi kayu profil	taksir	1,015.00	m'	14,250.00	14,463,750.00	
							125,476,154.16
<b>IV. PEK. PASANG LANTAI DAN DINDING :</b>							
1	Lt. keramik 20x20 cm lavatory	A056 B	144.52	m2	99,165.00	14,331,325.80	
2	Dinding keramik 20x25 cm lavatory	A056	219.40	m2	94,681.00	20,773,011.40	
3	Lt. keramik 40/40 cm	A057	628.12	m2	99,315.00	62,381,737.80	
4	Plint lantai jeglok finish cat minyak	taksir	843.00	m'	10,000.00	8,430,000.00	
5	Water proofing R lavatory	taksir	140.40	m2	53,000.00	7,441,200.00	
							113,357,275.00
<b>V. PEK. PENERANGAN :</b>							
1	Lampu SL 18 W	taksir	55.00	bh	46,000.00	2,530,000.00	
2	Down light SL 18 W	taksir	74.00	bh	110,000.00	8,140,000.00	
3	Lampu baret	taksir	52.00	bh	115,000.00	5,980,000.00	
4	Ceiling fan	taksir	27.00	bh	350,000.00	9,450,000.00	
5	Grid switch 5 modul	taksir	2.00	bh	50,000.00	100,000.00	
6	Stop kontak 200 W	taksir	52.00	bh	15,000.00	780,000.00	
7	Saklar tunggal	taksir	26.00	bh	10,000.00	260,000.00	
8	Saklar ganda	taksir	52.00	bh	15,000.00	780,000.00	
9	Instalasi stop kontak dan titik lampu	taksir	236.00	ttk	80,000.00	18,880,000.00	
10	Panel penerangan ( box MCB )	taksir	1.00	unit	750,000.00	750,000.00	
							47,650,000.00
<b>VI. PEK. PLUMBING LT. 2 :</b>							
1	Pipa GIP medium klas						
	- ø ¾"	A140 A	250.80	m'	40,553.00	10,170,692.40	
	- ø ½"	A140	88.00	m'	33,101.00	2,912,888.00	
2	Peralatan sambungan fitting-2 GIP	taksir	1.00	ls	500,000.00	500,000.00	
3	PVC jenis AW						
	- ø 4"	A141 E	26.00	m'	95,167.00	2,474,342.00	
	- ø 2,5"	A141	55.00	m'	42,657.00	2,346,135.00	
4	Peralatan sambungan fitting-2 jenis AW	taksir	1.00	lot	250,000.00	250,000.00	
5	Gate valve ø ¾"	taksir	1.00	bh	150,000.00	150,000.00	
							18,804,057.40
<b>VII. PEK.SANITAIR :</b>							
1	Closet jongkok warna tua	A134	27.00	bh	210,659.00	5,687,793.00	
2	Saringan air ( floor drain )	A 143	53.00	bh	19,867.00	1,052,951.00	
3	Kran air	A 143 A	53.00	bh	22,402.00	1,187,306.00	
4	Kaca cermin 40x60 tepi dibevel	taksir	26.00	bh	75,000.00	1,950,000.00	
5	Bak mandi Fiber + keramik 20/25	taksir	27.00	bh	500,000.00	13,500,000.00	
							23,378,050.00
<b>VIII. PEK. CAT-CATAN :</b>							
1	Cat tembok	A077	3,237.90	m2	9,723.00	31,482,101.70	
2	Cat plafond	A077	954.52	m2	9,723.00	9,280,797.96	
3	Pelituran Daun Pintu	A078	181.44	m2	33,878.00	6,146,824.32	
4	Cat listplank kayu	A078	54.00	m2	25,618.00	1,383,372.00	
							48,293,095.98
<b>PEK.FINISHING ARSITEKTUR LT.2 :</b>							<b>729,367,573.55</b>

C. PEKERJAAN FINISHING ARSITEKTUR :							1,661,886,090.17
D. PEKERJAAN HALAMAN DAN BANGUNAN PENUNJANG :							
No.	Uraian Pekerjaan	Analisa	Volume	Sat.	Harga Satuan Rp.	Jumlah Harga Rp.	Jumlah Rp.
<b>1 Pekerjaan Saluran :</b>							
1	Saluran terbuka U 20	taksir	183.00	m'	75,000.00	13,725,000.00	
2	Saluran buis beton ø 20	taksir	12.00	m'	50,000.00	600,000.00	
3	Bak kontrol 45x45	A139 A	35.00	bh	276,214.00	9,667,490.00	
							23,992,490.00
<b>2 Septictank + peresapan (8 unit) :</b>							
1	Galian tanah	A006	3.79	m3	25,325.00	95,981.75	
2	Urugan tanah kembali	A014	1.43	m3	6,612.00	9,455.16	
3	Pasir urug	A023	0.20	m3	82,818.00	16,563.60	
4	Aanstamping	A045	0.90	m3	146,475.00	131,827.50	
5	Beton bertulang (plat dasar,tutup)	A026 J	0.19	m3	3,889,212.00	738,950.28	
6	Dinding bata 1:3	A067	10.00	m2	56,519.00	565,190.00	
7	Plesteran 1:3	A071	15.42	m2	20,908.00	322,401.36	
8	Pipa hawa ø 1½" GIP	taksir	1.00	bh	40,000.00	40,000.00	
9	Pipa PVC dia.4"	taksir	1.00	bt	500,000.00	500,000.00	
10	Ijuk	taksir	5.00	m2	50,000.00	250,000.00	
11	Kerikil+batu pecah	taksir	0.73	m3	149,100.00	108,843.00	
12	Sirtu	A020	0.36	m3	80,261.00	28,893.96	
						Jumlah =	2,808,106.61
<b>3 Deep well</b>						8 septictank = 8 X	2,808,106.61
							22,464,852.88
	- pengeboran sumur dalam	taksir	100.00	m'	50,000.00	5,000,000.00	
	- pipa medium ø 8	taksir	60.00	m'	200,000.00	12,000,000.00	
	- pipa medium ø 6	taksir	40.00	m'	180,000.00	7,200,000.00	
	- johson screen ø 6	taksir	5.00	bh	1,000,000.00	5,000,000.00	
	- gravel park	taksir	1.00	ls	300,000.00	300,000.00	
	- reducer 8" x 6"	taksir	1.00	pc	300,000.00	300,000.00	
	- pumping test	taksir	1.00	lot	500,000.00	500,000.00	
	- pemasangan konstruksi pompa distribusi	taksir	50.00	m'	100,000.00	5,000,000.00	
	- pompa submersible	taksir	1.00	unit	12,500,000.00	12,500,000.00	
	- plange ø 8	taksir	20.00	bh	100,000.00	2,000,000.00	
	- plange ø 6	taksir	14.00	bh	75,000.00	1,050,000.00	
	- EWLC sumur	taksir	1.00	unit	500,000.00	500,000.00	
	- gate valve ø 3	taksir	1.00	bh	750,000.00	750,000.00	
	- check valve ø 3	taksir	1.00	bh	500,000.00	500,000.00	
	- meter air+B3093	taksir	1.00	bh	500,000.00	500,000.00	
	- mano meter	taksir	1.00	bh	150,000.00	150,000.00	
	- panel lengkap dengan kabel	taksir	1.00	unit	750,000.00	750,000.00	
	- pembuatan bak sirkulasi	taksir	1.00	lot	250,000.00	250,000.00	
	- biaya perijinan	taksir	1.00	ls	750,000.00	750,000.00	
							55,000,000.00
<b>4 Tower air</b>							
1	Galian tanah	A006	96.12	m3	25,325.00	2,434,239.00	
2	Sirtu	A020	15.68	m3	80,261.00	1,258,492.48	
3	Pondasi foot plat	A026 A	5.08	m3	1,946,148.00	9,886,431.84	
4	Beton bertulang kolom	A026 C	6.12	m3	3,429,747.00	20,990,051.64	
5	Beton bertulang sloof	A026 B	0.96	m3	2,252,195.00	2,162,107.20	
6	Beton bertulang balok	A026 D	3.84	m3	3,016,416.00	11,583,037.44	
7	Beton bertulang janggutuan	A026 L	0.64	m3	2,228,117.00	1,425,994.88	
8	Beton bertulang plat lantai	A026 J	1.92	m3	3,889,212.00	7,467,287.04	
9	Beton bertulang ring balk	A026 D	0.96	m3	3,016,416.00	2,895,759.36	
10	Beton bertulang kuda kuda atap	A026 D	0.27	m3	3,016,416.00	814,432.32	
11	Beton bertulang konsol	A026 D	0.32	m3	3,016,416.00	965,253.12	
12	Urugan kembali	A014	73.16	m3	6,612.00	483,733.92	
13	Lantai kerja 1:3:5	A024	2.20	m3	449,871.00	989,716.20	
14	Tangki fibre glass 1,5 m3	taksir	4.00	unit	1,250,000.00	5,000,000.00	
15	Tangga besi	taksir	1.00	bh	2,000,000.00	2,000,000.00	
16	Pasangan bt. Bata 1:3	A067	16.00	m2	56,519.00	904,304.00	
17	Plesteran 1 : 3	A071	32.00	m2	20,908.00	669,056.00	
18	Plesteran beton	A071	105.20	m2	20,908.00	2,199,521.60	
19	Sponengan	taksir	170.00	m'	3,000.00	510,000.00	
20	Cat tembok	A077	137.20	m2	9,723.00	1,333,995.60	
21	Atap genteng keramik glasur	A103 A5	19.50	m2	57,488.00	1,121,016.00	
22	Bubungan genteng keramik glasur	A108 A	20.00	m'	68,773.00	1,375,460.00	
23	Papan reuter	taksir	20.00	m'	25,000.00	500,000.00	
24	Usuk 5/7 / reng 2/3 kayu bengkirai	A104	19.50	m2	118,150.00	2,303,925.00	
25	Listplank ky bengkirai 3/30	A089	21.60	m'	95,298.00	2,058,436.80	
26	Gording kayu	A101	0.35	m3	9,007,505.00	3,152,626.75	
27	Cat listplank kayu	A078	6.48	m2	25,618.00	166,004.64	
							86,650,882.83
<b>D PEKERJAAN HALAMAN :</b>							<b>188,108,225.71</b>