LAMPIRAN 1

Tabel Hasil Uji Laboratorium

Pengujian Modulus Halus Butir (MHB) / Analisis Saringan Agregat Halus

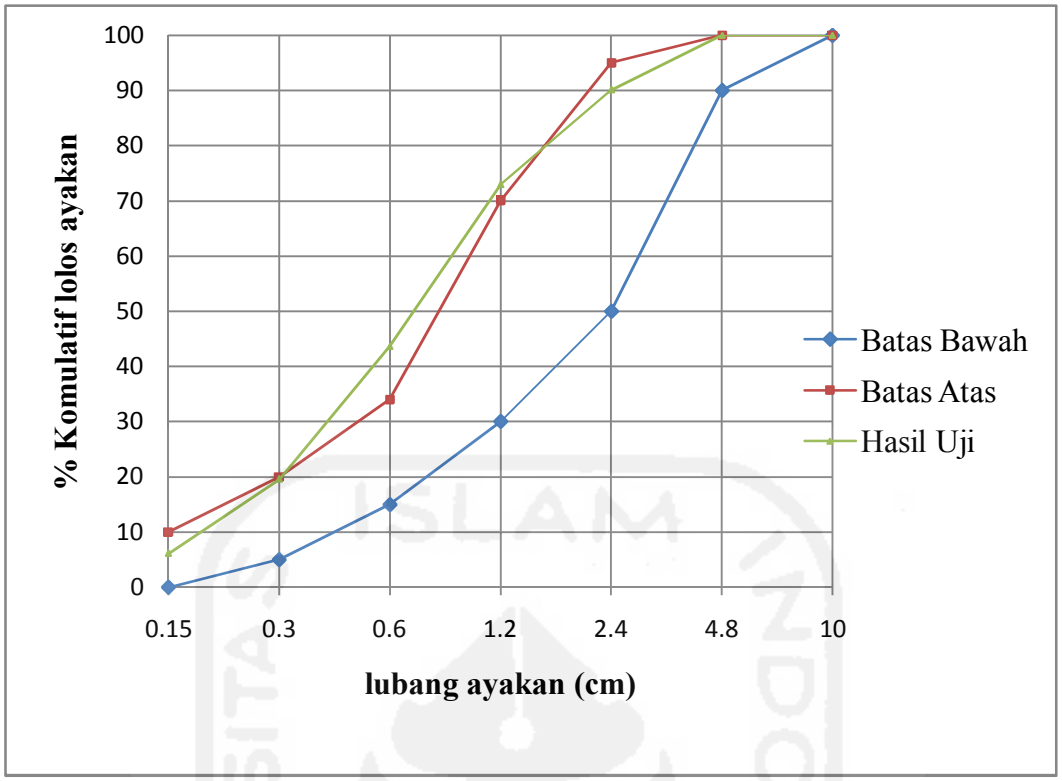
No saringan	Lubang Ayakan (mm)	Berat Tertinggal (gram)	Berat Tertinggal (%)	Berat Tertinggal Kumulatif	Persen Lolos Kumulatif (%)
	40	0	0	0	-
	20	0	0	0	-
3/8	10	0	0	0	100
4	4.8	0	0	0	100
8	2.4	248	9.9598394	9.959839	90.04016
16	1.2	427	17.148594	27.10843	72.89157
30	0.6	728	29.236948	56.34538	43.65462
50	0.3	600	24.096386	80.44177	19.55823
100	0.15	335	13.453815	93.89558	6.104418
sisa		152	6.1044177	100	0
jumlah		2490	100	-	-

Lubang Ayakan	Persen berat butir agregat yang lolos ayakan							
	Daerah I		Daerah II		Daerah III		Daerah IV	
10	100		100		100		100	
4.8	90	100	90	100	90	100	95	100
2.4	50	95	75	100	85	100	95	100
1.2	30	70	55	90	75	100	90	100
0.6	15	34	35	59	60	79	80	100
0.3	5	20	8	30	12	40	15	50
0.15	0	10	0	10	0	10	0	15

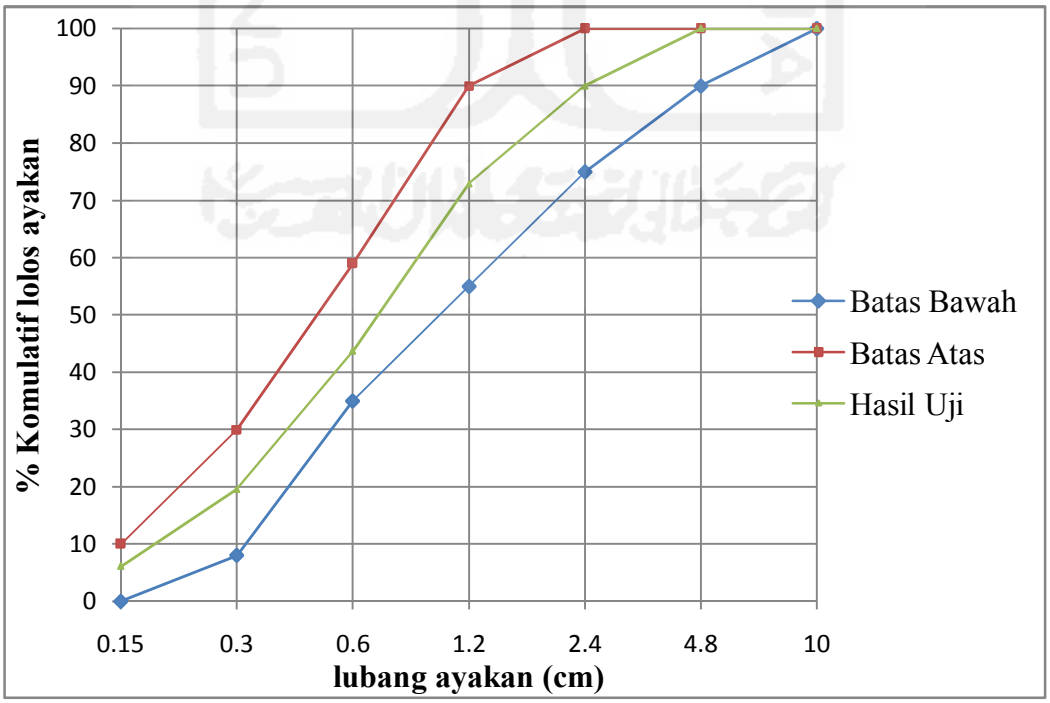
Keterangan :

Daerah I : Pasir Kasar
Daerah II : Pasir Agak Kasar
Daerah III : Pasir Agak Halus
Daerah IV : Pasir Halus

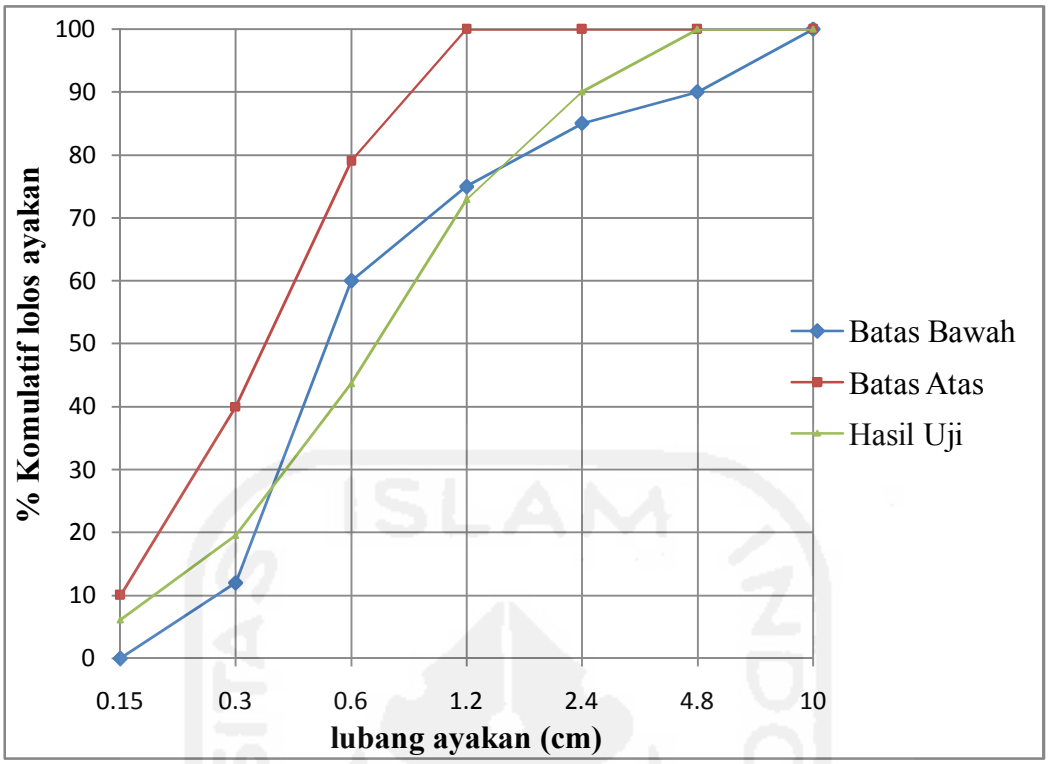
DAERAH I



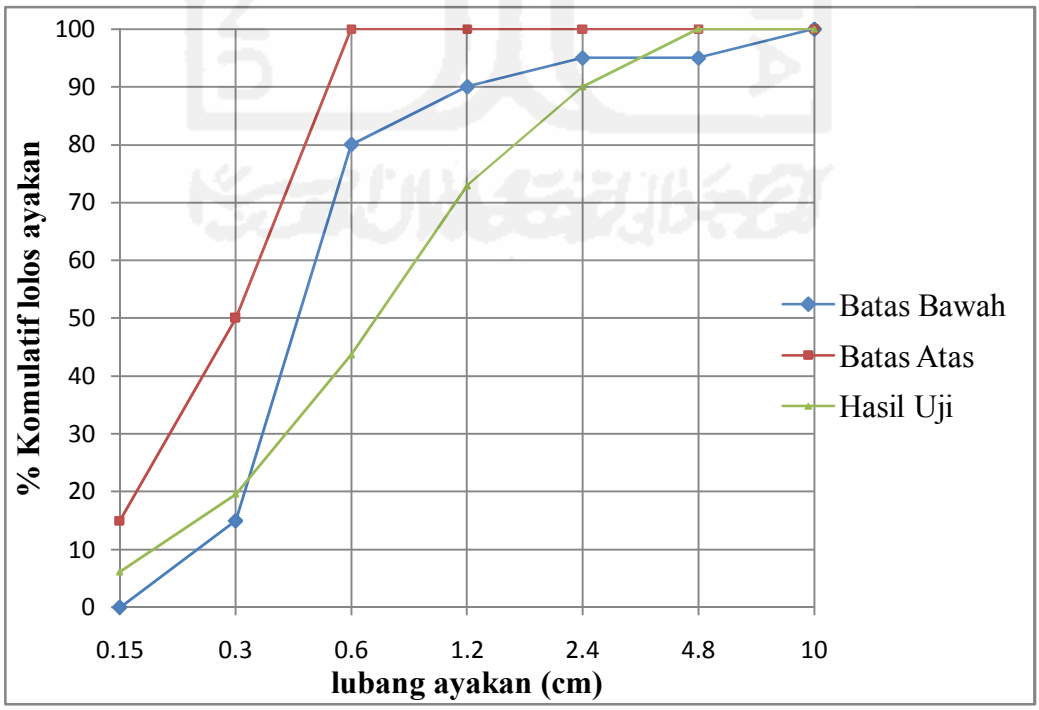
DAERAH II



DAERAH III



DAERAH IV



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Pengujian Modulus Halus Butir (MHB) agregat kasar

Lobang Ayakan (mm)	Berat Tertinggal (gram)	Berat Tertinggal (%)	Berat Tertinggal Kumulatif (%)	Persen Lolos Kumulatif (%)
40.00	0.00	0.00	0.00	100.00
20.00	0.00	0.00	0.00	100.00
10.00	43.00	0.90	0.90	99.10
4.80	2508.00	52.33	53.22	46.78
2.40	1922.00	40.10	93.32	6.68
1.20	57.00	1.19	94.51	5.49
Sisa	263.00	5.49	100.00	0.00
Jumlah	4793.00	100.00	341.96	

MHB 341,96 / 100 = 3.42

Lubang Ayakan (mm)	Persen berat butir agregat yang lolos ayakan / Besar butiran maksimum :			
	40 mm		20 mm	
40	95	100	100	100
20	30	70	95	100
10	10	35	25	55
4.8	0	5	0	10

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Hasil Pemeriksaan Uji Berat Jenis dan Kadar Air Agregat Halus

Uraian	Jumlah	Satuan
Berat pasir Kering Mutlak (Bk)	488	gram
Berat pasir kondisi jenuh kering muka (SSD)	**500**	gram
Berat piknometer berisi pasir dan air (Bt)	1022	gram
Berat piknometer berisi air (B)	709	gram
Berat jenis curah Bk/(B+500-Bt)…….. (1)	2.61	-
Berat jenis jenuh kering muka 500/(B+500-Bt)……..... (2)	2.67	-
Berat jenis semu Bk/(B+Bk-Bt)…….. (3)	2.79	-
Penyerapan air	2.46	%

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Hasil Pemeriksaan Uji Berat Jenis dan Kadar Air Agregat Kasar 0,5 cm

Uraian	Jumlah	Satuan
Berat pasir Kering Mutlak (Bk)	4680	gram
Berat pasir kondisi jenuh kering muka (Bj)	**5000**	gram
Berat piknometer berisi pasir dan air (Ba)	2925	gram
Berat jenis curah Bk/(Bj-Ba)…….. (1)	2.26	-
Berat jenis jenuh kering muka Bj/(Bj-Ba)..…….... (2)	2.41	-
Berat jenis semu Bk/(Bk-Ba)…….…….. (3)	2.67	-
Penyerapan air	6.84	%

Hasil Pemeriksaan Uji Berat Jenis dan Kadar Air Agregat Kasar 1-2 cm

Uraian	Jumlah	Satuan
Berat pasir Kering Mutlak (Bk)	4756	gram
Berat pasir kondisi jenuh kering muka (Bj)	**5000**	gram
Berat piknometer berisi pasir dan air (Ba)	2993	gram
Berat jenis curah Bk/(Bj-Ba)…….. (1)	2.37	-
Berat jenis jenuh kering muka Bj/(Bj-Ba)..…….... (2)	2.49	-
Berat jenis semu Bk/(Bk-Ba)…….…….. (3)	2.70	-
Penyerapan air	5.13	%

i

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Hasil Pemeriksaan Kadar Lumpur Agregat Halus

Uraian		Jumlah	Satuan
Berat Agregat Kering Oven	(W1)	500	gram
Berat agregat kering oven setelah dicuci	(W2)	495	gram
Berat yang lolos ayakan no.200 (W1-W2)/W1 x 100%		1	%

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Mix Design **untuk Komponen Pracetak**

No.	Uraian	Nilai		Ket	
1	Kuat tekan yang disyaratkan f'c	20		Ditetapkan	
	(Benda Uji Silinder)				
2	Faktor Pengali (k)	-		jumlah sample < 15	
3	Deviasi satndar (s)	7		Table Ic	
4	Nilai Tambah (M)	12		= 1,64*12=11,48 ~ 12	
5	Kuat teka rencana f'cr	32		(1)+(4)	
6	Jenis semen	Tipe I		Ditetapkan	
7	Jenis Agregat				
	- kasar	Batu pecah			
	- halus	Alami			
8	Faktor Air semen	0.56		Gambar C.1	
9	Faktor Air semen Maks	0.6		Tabel 4	
10	Slump	60-180		Ditetapkan	
11	Ukuran Agregat Maks	10 mm		ditetapkan	
12	Kadar Air Bebas (kg/m³)	233		2/3 Wh + 1/3 Wk	
13	Jumlah Semen (kg/m³)	416.1		(12)/(8)	
14	Jumlah Semen Min (kg/m³)	275		ruang non-korosif	
15	Jumlah Semen Dipakai (kg/m³)	416		(13)>(14), Pembulatan	
16	Faktor air semen yang disesuaikan	0.56		tetap karena (13)>(14)	
17	Susunan Butir Agregat Halus	Daerah Gradasi 2		Zona 1/2/3/4	
18	Persen Agregat Halus	52%		Grafik 3	
19	BJ relatif SSD : - Pasir	2.67		diket & hit	
	- Kerikil	2.41		diket & hit	
	- Gabungan	2.5		hitungan	
20	Berat Isi Beton	2245		grafik 5	
21	Kadar Agregat Gabungan	1596		(20)-(15)-(12)	
22	Kadar Agregar Halus	829.92		(21)*(18)	
23	Kadar Agregat Kasar	766.08		(21)-(22)	
24	Proporsi Campuran				
	Jumlah Bahan (teoritis)	Semen (kg)	Air (kg)	Agregat SSD	
				Halus (kg)	Kasar (kg)
	- tiap m³	416	233	829.92	766.08
	- tiap 0.053 m³ (volum sample+3 tabung)	12.15	6.81	24.24	22.37
25	Proporsi Campuran Koreksi				
	- tiap m³	416	236.8687	829.42205	762.709248
	- tiap 0.053 m³ (volum sample+3 tabung)	12.15	6.92	24.23	22.28
	Kebutuhan air memakai sika		5.88		
	Kebutuhan sika 300 ml sika/40 kg semen				91.1

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UJI DESAK SILINDER

Benda uji 1

No.	Tanggal Pembuatan Benda uji	Umur beton (hari)	Dimensi Benda uji		Luas Penampang (mm^2)	Berat benda uji (kg)	Berat Volume (t/m^3)	Beban Maksimum (kN)	Kuat Desak (Mpa)	Angka Konversi Umur	Kuat Desak umur 28	Keterangan / kode benda uji
			Diameter (mm)	Tinggi (mm)								
1	12/02/2014	14	151	299.3	17907.86	12.4	2.31	721.5	40.3	0.88	45.78	
2	12/02/2014	14	151.5	296.6	18026.65	12.5	2.34	775.8	43.0	0.88	48.90	
3	13/02/2014	14	151.1	302.1	17931.59	12.6	2.33	794.6	44.3	0.88	50.36	
4	13/02/2014	14	150.5	301	17789.46	12.6	2.35	838.8	47.2	0.88	53.58	
5	25/02/2014	14	151	301.9	17907.86	12.4	2.29	504.3	28.2	0.88	32.00	

Benda uji 2

No.	Tanggal Pembuatan Benda uji	Umur beton (hari)	Dimensi Benda uji		Luas Penampang (mm^2)	Berat benda uji (kg)	Berat Volume (t/m^3)	Beban Maksimum (kN)	Kuat Desak (Mpa)	Angka Konversi Umur	Kuat Desak umur 28	Keterangan / kode benda uji
			Diameter (mm)	Tinggi (mm)								
1	17/02/2014	14	152.8	302.2	18337.35	12.7	2.29	955.3	52.1	0.88	59.20	
2	17/02/2014	14	150	304.2	17671.46	12.6	2.34	932.1	52.7	0.88	59.94	
3	18/02/2014	14	151	305.5	17907.86	12.6	2.30	580.8	32.4	0.88	36.86	
4	18/02/2014	14	152.2	301.1	18193.62	12.7	2.32	816.8	44.9	0.88	51.02	
5	25/02/2014	14	151	301.9	17907.86	12.4	2.29	504.3	28.2	0.88	32.00	

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UJI DESAK SILINDER

Benda uji 3

No.	Tanggal Pembuatan Benda uji	Umur beton (hari)	Dimensi Benda uji		Luas Penampang (mm^2)	Berat benda uji (kg)	Berat Volume (t/m^3)	Beban Maksimum (kN)	Kuat Desak (Mpa)	Angka Konversi Umur	Kuat Desak umur 28	Keterangan / kode benda uji
			Diameter (mm)	Tinggi (mm)								
1	26/06/2014	7	150.6	304.45	17813.11	12.3	2.27	523.3	29.4	0.65	45.20	
2	26/06/2014	7	149.5	300.6	17553.85	11.9	2.26	535.1	30.5	0.65	46.90	
3	30/06/2014	7	151	299.4	17907.86	12.4	2.31	605.2	33.8	0.65	51.99	
4	30/06/2014	7	150.75	302	17848.62	12.5	2.32	599.7	33.6	0.65	51.69	
5	01/07/2014	14	151.4	304.4	18002.87	12.8	2.34	647.6	36.0	0.88	40.88	

Fondasi

No.	Tanggal Pembuatan Benda uji	Umur beton (hari)	Dimensi Benda uji		Luas Penampang (mm^2)	Berat benda uji (kg)	Berat Volume (t/m^3)	Beban Maksimum (kN)	Kuat Desak (Mpa)	Angka Konversi Umur	Kuat Desak umur 28	Keterangan / kode benda uji
			Diameter (mm)	Tinggi (mm)								
1	05/03/2014	21	151	304	17907.86	12.6	2.31	884.1	49.4	0.65	75.95	Benda uji 1
2	11/03/2014	14	150	301	17671.46	12.5	2.35	810.5	45.9	0.65	70.56	Benda uji 2
3	02/07/2014	14	149.1	303.55	17460.04	13.2	2.49	584.7	33.5	0.65	51.52	Benda uji 3

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No	Diameter (mm)		Diameter uji (do) mm	Luas mm²	Panjang ukur awal (Lo) mm	Beban leleh Kgf	Beban Maks Kgf	Diameter Setelah di uji (d1) mm	Panjang akhir (L1) mm	Beban putus Kgf	Keterangan
	Pengenal	Nominal									
1			7	38.48	35	1460	2125	3.6	44.8		
2			7.25	41.28	36.25	1585	2280	4.4	4.65		
3			5.8	26.42	29	740	1057.5	3.1	36.65		
4			5.7	25.52	28.5	752.5	1042.5	2.5	35		

LAMPIRAN 2

Hasil Pembacaan Beban-Lendutan Data Logger

Benda uji 1 (portal)			
Beban arah vertikal			
Beban (kN)	Lendutan (mm)	Beban (kN)	Lendutan (mm)
0	0	3.97590471	0.48214
0.269548389	0	3.984240267	0.49724
0.514127385	0	4.123855206	0.51234
1.501006518	0	4.15094454	0.51988
2.263014945	0.0066	4.15094454	0.51988
2.267182233	0.01415	4.157195472	0.54253
2.27551779	0.02924	4.159280097	0.54253
2.285936991	0.02924	4.159280097	0.54253
2.294272548	0.02924	4.159280097	0.54253
2.30052348	0.02924	4.27597299	0.63311
2.313026325	0.02924	4.323900726	0.63311
2.583921627	0.02924	4.373912106	0.65575
2.590172559	0.03679	4.380163038	0.6633
2.65060314	0.05944	4.386414951	0.6633
2.758961457	0.05944	4.392666864	0.67085
2.808972837	0.05944	4.398917796	0.67085
2.867318793	0.05944	4.405168728	0.6935
2.898576396	0.08963	4.411420641	0.6935
2.92566573	0.08963	4.419756198	0.6935
2.998599156	0.08963	4.488521355	0.6935
3.20072832	0.08963	4.517694333	0.6935
3.248656056	0.11982	4.671896742	0.6935
3.354929748	0.11982	4.719823497	0.6935
3.45078522	0.15002	4.730243679	0.71614
3.467455353	0.15002	4.738578255	0.72369
3.5007966	0.15002	4.746913812	0.72369
3.517466733	0.15757	4.755248388	0.74633
3.534137847	0.15757	4.765667589	0.75388
3.559143537	0.15757	4.811511681	0.75388
3.613322205	0.16511	4.859439417	0.75388
3.642496164	0.16511	4.909450797	0.75388
3.67583643	0.16511	5.10116076	0.75388
3.684171987	0.17266	5.230356498	0.75388
3.707094033	0.17266	5.2511949	0.78408
3.734183367	0.17266	5.278285215	0.78408
3.742517943	0.18021	5.292870723	0.78408
3.748769856	0.18021	5.315792769	0.78408
3.7508535	0.18021	5.42623473	0.78408
3.759189057	0.18021	5.430402999	0.84446
3.759189057	0.18021	5.542927623	0.84446
3.759189057	0.18021	5.599190916	0.87466
3.759189057	0.18021	5.642951364	0.87466
3.759189057	0.18021	5.690878119	0.87466
3.759189057	0.18021	5.740889499	0.87466
3.759189057	0.18021	5.772147102	0.8973
3.759189057	0.48214	5.80132008	0.90485
3.834206127	0.48214	5.85133146	0.90485

Benda uji 1 (portal)			
Beban arah vertikal			
Beban (kN)	Lendutan (mm)	Beban (kN)	Lendutan (mm)
5.857583373	0.9124	8.458175133	1.23697
5.882589063	0.91995	8.470677978	1.26717
5.884672707	0.92749	8.481096198	1.26717
5.888839995	0.93504	8.493600024	1.26717
5.940935019	0.93504	8.506101888	1.26717
5.95135422	0.93504	8.516521089	1.26717
5.968024353	0.93504	8.524856646	1.26717
5.982611823	0.99543	8.535275847	1.26717
5.997197331	0.99543	8.643634164	1.26717
6.013868445	0.99543	8.668638873	1.26717
6.134729607	0.99543	9.314619525	1.26717
6.188908275	0.99543	9.435480687	1.26717
6.238919655	0.99543	9.560509137	1.26717
6.293099304	0.99543	9.568844694	1.28226
6.303517524	1.00298	9.579262914	1.29736
6.313936725	1.02562	9.587598471	1.29736
6.363948105	1.02562	9.65219634	1.29736
6.374367306	1.04072	9.662615541	1.31246
6.384786507	1.05582	9.716794209	1.32755
6.445217088	1.05582	9.768889233	1.32755
6.461887221	1.07846	9.81056898	1.32755
6.472306422	1.08601	9.84390336	1.32755
6.574412826	1.08601	9.85224186	1.3351
6.618172293	1.08601	9.86058036	1.35775
6.659849097	1.08601	9.86890905	1.35775
7.755932169	1.08601	9.87724755	1.3653
7.803858924	1.08601	9.88558605	1.38794
7.85178666	1.08601	9.89600427	1.38794
7.862205861	1.1011	9.90433296	1.38794
7.872625062	1.1162	9.91267146	1.38794
7.883044263	1.1162	10.0106145	1.38794
7.949725776	1.1162	10.09188054	1.38794
8.003905425	1.14639	10.10437848	1.40304
8.053915824	1.14639	10.11480651	1.41813
8.10184356	1.14639	10.12522473	1.41813
8.139352095	1.14639	10.13355342	1.43323
8.143519383	1.14639	10.14606117	1.44833
8.15185494	1.15394	10.15647939	1.44833
8.160190497	1.17659	10.16272836	1.44833
8.168525073	1.19923	10.17314658	1.44833
8.174776986	1.20678	10.1835648	1.47097
8.245626768	1.20678	10.21273974	1.47852
8.345649528	1.20678	10.22315796	1.47852
8.412331041	1.20678	10.36486341	1.47852
8.424833886	1.21433	10.36902285	1.48607
8.433169443	1.23697	10.37736135	1.50871
8.447754951	1.23697	10.46279664	1.50871

Benda uji 1 (portal)			
Beban arah vertikal			
Beban (kN)	Lendutan (mm)	Beban (kN)	Lendutan (mm)
10.47738411	1.50871	12.95502714	2.23335
10.47738411	1.53136	12.98629161	2.26354
10.47738411	1.53891	12.99046086	2.32393
10.48572261	1.53891	13.04880093	2.32393
10.4940513	1.5691	13.11132006	2.32393
10.53156474	1.5691	13.16758041	2.32393
10.54615221	1.59929	13.20508404	2.36167
10.67534991	1.59929	13.24884645	2.38432
10.8045378	1.59929	13.30094736	2.38432
10.90040112	1.65968	13.34678949	2.38432
11.03375826	1.72007	13.39263162	2.41451
11.16504549	1.72007	13.44889197	2.4447
11.24631153	1.75026	13.47181794	2.4447
11.28173544	1.78045	13.51557054	2.4447
11.38800717	1.78045	13.54683501	2.4749
11.44843677	1.788	13.56767145	2.4749
11.48386068	1.81065	13.60934433	2.50509
11.53179234	1.81065	13.63851927	2.50509
11.7610128	1.87103	13.66977393	2.50509
11.76726177	1.87103	13.73229306	2.52774
11.76934149	1.87103	13.80731013	2.53528
11.77767999	1.90123	13.81772835	2.55793
11.87145378	1.92387	13.82814657	2.56548
11.91104694	1.93142	13.90108392	2.56548
11.97564579	1.99181	13.98234996	2.57303
12.01939839	1.99181	13.99693743	2.59567
12.12567993	1.99181	14.00735565	2.62586
12.13609815	1.99935	14.08237272	2.62586
12.14234712	2.022	14.15322054	2.62586
12.17569131	2.022	14.19698295	2.62586
12.21528447	2.05219	14.22823761	2.62586
12.27154482	2.05219	14.23657611	2.62586
12.31738695	2.05219	14.29908543	2.71644
12.33614367	2.05219	14.34909681	2.74664
12.34239264	2.08239	14.39910819	2.74664
12.34447236	2.08239	14.42620341	2.77683
12.34864161	2.10503	14.45328882	2.77683
12.39657327	2.11258	14.49288198	2.77683
12.45283362	2.11258	14.53038561	2.77683
12.51326322	2.14277	14.56997877	2.77683
12.58620057	2.17296	14.59498446	2.80702
12.6320427	2.17296	14.61999015	2.83722
12.67996455	2.17296	14.66792181	2.8976
12.72581649	2.20316	14.71793319	2.8976
12.8133315	2.23335	14.94715365	2.9278
12.85917363	2.23335	15.01383222	2.95799
12.90710529	2.23335	15.13469142	2.98818

Benda uji 1 (portal)			
Beban arah vertikal			
Beban (kN)	Lendutan (mm)	Beban (kN)	Lendutan (mm)
15.31182078	3.01838	17.67068433	5.49422
15.35349366	3.07876	17.71653627	5.54706
15.39516654	3.07876	17.75611962	5.55461
15.41809251	3.29766	17.8144695	5.55461
15.49727883	3.3505	17.86031163	5.5848
15.55770843	3.3505	17.90407404	5.61499
15.60355056	3.3505	17.95825467	5.64519
15.63689475	3.3505	18.01034577	5.70557
15.66605988	3.47127	18.02285352	5.70557
15.7014936	3.47127	18.06035715	5.82635
15.8056758	3.50147	18.09995031	5.82635
15.84735849	3.53166	18.15205122	5.88673
15.90153912	3.56185	18.20622204	5.88673
15.94529172	3.56185	18.25207398	5.93957
15.99947235	3.59205	18.29582658	5.94712
16.05157326	3.61469	18.35000721	5.94712
16.09115661	3.62224	18.40210812	5.99996
16.13908827	3.65243	18.44795025	6.0377
16.18909965	3.65243	18.4958721	6.0377
16.24120056	3.68263	18.54588348	6.09809
16.28912241	3.74301	18.59381514	6.12828
16.33705407	3.74301	18.63757755	6.15847
16.3828962	3.74301	18.68966865	6.2717
16.4349873	3.79585	18.73760031	6.27924
16.48708821	3.8034	18.79594038	6.30944
16.53917931	3.86379	18.83553354	6.33963
16.58711097	3.86379	18.88554492	6.33963
16.63712235	3.95437	18.9355563	6.36982
16.72672689	3.96946	18.98765721	6.40002
16.77881799	4.01475	19.03766859	6.4604
16.82674965	4.01475	19.08559044	6.51324
16.8746715	4.0374	19.13560182	6.55098
16.92677241	4.04495	19.18144395	6.55098
16.97886351	4.07514	19.23145533	6.55098
17.02679517	4.64881	19.28355624	6.55098
17.07054777	4.64881	19.28772549	6.55098
17.12264868	4.7092	19.29605418	6.55098
17.17473978	4.7092	19.32635727	6.90781
17.22058191	4.79978	19.38056733	7.69015
17.27059329	4.79978	19.42620345	8.45078
17.32060467	4.86016	19.48263057	9.20777
17.37061605	4.86016	19.52767809	9.73521
17.41229874	4.86016	19.95033213	10.67197
17.47063881	4.98094	20.12206599	14.31763
17.52065019	4.98094	20.40957747	19.6498
17.56024335	5.49422	19.72666413	19.65011
17.61651351	5.49422	19.062792	19.6512

Benda uji 1 (portal)			
Beban arah vertikal			
Beban (kN)	Lendutan (mm)	Beban (kN)	Lendutan (mm)
17.87152446	19.65199	14.66792181	19.68504
17.55667251	19.65278	14.66167284	19.68504
15.87410055	19.65381	14.66167284	19.68504
14.7533571	19.65485	14.65750359	19.68504
14.7533571	19.65485	14.65333434	19.68504
14.7533571	19.65485	14.65333434	19.68504
14.74918785	19.65485	14.64708537	19.68504
14.7450186	19.65485	14.64499584	19.68504
14.7450186	19.67749	14.64291612	19.68504
14.7450186	19.68504	14.63666715	19.68504
14.7450186	19.68504	14.63666715	19.68504
14.7450186	19.68504	14.62832865	19.68504
14.7450186	19.68504	14.62832865	19.68504
14.7450186	19.68504	14.6241594	19.68504
14.7450186	19.68504	14.61999015	19.68504
14.7450186	19.68504	14.61999015	19.68504
14.7450186	19.68504	14.61999015	19.68504
14.7450186	19.68504	14.61374118	19.70014
14.73668991	19.68504	14.61166146	19.71523
14.73668991	19.68504	14.61166146	19.71523
14.73668991	19.68504	14.61166146	19.68504
14.73668991	19.66994	14.61166146	19.68504
14.73460038	19.65485	14.60749221	19.68504
14.72835141	19.66994	14.60332296	19.68504
14.72835141	19.68504	14.60332296	19.68504
14.72835141	19.68504		
14.72627169	19.68504		
14.72001291	19.68504		
14.72001291	19.68504		
14.72001291	19.68504		
14.71376394	19.68504		
14.71168422	19.68504		
14.71168422	19.68504		
14.71168422	19.68504		
14.70334572	19.68504		
14.70334572	19.68504		
14.70334572	19.68504		
14.69709675	19.68504		
14.69500722	19.68504		
14.69500722	19.68504		
14.68667853	19.68504		
14.68667853	19.68504		
14.68041975	19.68504		
14.67834003	19.68504		
14.67834003	19.68504		
14.67000153	19.68504		
14.67000153	19.68504		

Benda uji 1 (portal)			
Beban arah lateral			
Beban (kN)	Lendutan (mm)	Beban (kN)	Lendutan (mm)
0	0	1.992119643	0.92749
0.037508535	0.0066	2.023377246	0.98033
0.042718037	0.02924	2.067136713	1.02562
0.496988138	0.18021	2.09526885	1.02562
0.982515645	0.31608	2.123400006	1.02562
0.983557467	0.33118	2.164034007	1.06336
1.012730445	0.36137	2.187997875	1.08601
1.040861601	0.36137	2.196333432	1.08601
1.041903423	0.36137	2.222380944	1.1162
1.041903423	0.36137	2.258847657	1.14639
1.042945245	0.36137	2.29531437	1.14639
1.046071692	0.36137	2.316151791	1.14639
1.046071692	0.36137	2.354702148	1.17659
1.046071692	0.36137	2.383876107	1.23697
1.046071692	0.36137	2.421384642	1.23697
1.046071692	0.36137	2.454724908	1.26717
1.046071692	0.36137	2.490149799	1.27472
1.046071692	0.36137	2.512030023	1.32755
1.048155336	0.36137	2.554747668	1.32755
1.08045378	0.39156	2.581837983	1.35775
1.110669561	0.42176	2.613094605	1.38039
1.115878671	0.42176	2.649561318	1.47852
1.141926183	0.42176	2.678734296	1.5691
1.178392896	0.42176	2.708950077	1.59929
1.211734143	0.45195	2.747500434	1.62949
1.215901431	0.45195	2.777715234	1.65968
1.241948943	0.48214	2.80584639	1.68987
1.276332012	0.48214	2.849606838	1.72007
1.307589615	0.51234	2.88086346	1.72007
1.334678949	0.51234	2.904827328	1.78045
1.374271128	0.54253	2.94546231	1.81065
1.407612375	0.54253	2.978802576	1.81065
1.433659887	0.57272	3.004850088	1.84084
1.472210244	0.63311	3.042358623	1.87103
1.508676957	0.67085	3.071532582	1.93142
1.569107538	0.6935	3.101747382	1.93142
1.633705407	0.73879	3.140297739	1.97671
1.673297586	0.75388	3.172597164	1.99181
1.737895455	0.78408	3.198644676	2.022
1.746231012	0.78408	3.240320499	2.05219
1.75560741	0.81427	3.267409833	2.05219
1.762901145	0.81427	3.32054766	2.05219
1.803535146	0.81427	3.348678816	2.05219
1.829582658	0.84446	3.368475396	2.05219
1.867091193	0.87466	3.396606552	2.05219
1.926479952	0.87466	3.436198731	2.50509
1.962946665	0.90485	3.463288065	2.52774

Benda uji 1 (portal)			
Beban arah lateral			
Beban (kN)	Lendutan (mm)	Beban (kN)	Lendutan (mm)
3.496629312	2.56548	4.892779683	5.22248
3.539346957	2.59567	4.905282528	5.61499
3.594568428	2.62586	4.934456487	5.64519
3.635202429	2.71644	4.941749241	5.64519
3.668542695	2.77683	4.973006844	5.64519
3.684171987	2.77683	5.008431735	5.64519
3.727931454	2.95799	5.035521069	5.64519
3.762314523	2.95799	5.063652225	5.70557
3.791487501	2.97309	5.103244404	5.73577
3.827954214	3.01838	5.133460185	5.76596
3.863379105	3.10896	5.160549519	5.77351
3.890468439	3.10896	5.200141698	5.82635
3.924851508	3.16934	5.230356498	5.88673
3.959234577	3.16934	5.258487654	5.88673
3.984240267	3.19953	5.30120628	5.90183
4.022790624	3.3505	5.328295614	5.94712
4.055089068	3.41089	5.357468592	5.97731
4.084263027	3.47127	5.359553217	5.97731
4.121771562	3.56185	5.400187218	6.0377
4.159280097	3.62224	5.422067442	6.0377
4.185327609	3.68263	5.454365886	6.61137
4.227003432	3.71282	5.49604269	6.67176
4.256177391	3.74301	5.527299312	6.67176
4.278056634	3.75811	5.553346824	6.67176
4.319733438	3.83359	5.591897181	6.7095
4.323900726	3.83359	5.622112962	6.76234
4.334319927	3.84869	5.654411406	6.79253
4.338487215	3.83359	5.692961763	6.86046
4.338487215	3.83359	5.720051097	6.9435
4.378079394	4.34688	5.752350522	6.9435
4.417671573	4.40726	5.788817235	7.00388
4.447887354	4.43746	5.809655637	7.00388
4.479143976	4.46765	5.820074838	7.48697
4.514568867	4.46765	5.855499729	8.12103
4.546868292	4.46765	5.888839995	8.18142
4.571873982	4.46765	5.916971151	8.24181
4.612507983	4.52804	5.950312398	8.272
4.641680961	4.56578	5.986779111	8.33238
4.67085492	4.58842	6.018036714	8.36258
4.709405277	4.64881	6.045126048	8.42296
4.738578255	4.66391	6.082634583	8.42296
4.77087768	4.7092	6.113891205	8.42296
4.808386215	4.76203	6.142022361	8.51354
4.838601015	4.79978	6.18161454	8.57393
4.867774974	4.79978	6.210788499	8.63432
4.87610955	4.86016	6.242045121	8.61167
4.87610955	5.19229	6.243086943	8.60412

Benda uji 1 (portal)			
Beban arah lateral			
Beban (kN)	Lendutan (mm)	Beban (kN)	Lendutan (mm)
6.279553656	8.89851	8.274799746	14.34084
6.309769437	8.96644	8.30188908	14.44652
6.338942415	8.96644	8.339397615	14.5069
6.380619219	9.05702	8.368571574	14.55974
6.408750375	9.1476	8.422750242	14.58993
6.434797887	9.20799	8.438378553	14.67296
6.437923353	9.20799	8.467552512	14.73335
6.47647371	9.38915	8.495683668	14.79374
6.505647669	9.41934	8.522773002	14.98999
6.534820647	9.47973	8.525898468	15.00509
6.574412826	9.6005	8.567574291	15.01264
6.605669448	9.66089	8.593621803	15.06548
6.632759763	9.69108	8.635298607	15.21644
6.668183673	9.72127	8.663429763	15.27683
6.700483098	9.93263	8.699896476	15.33722
6.73173972	9.96282	8.731153098	15.36741
6.772374702	10.0534	8.761368879	15.57876
6.798422214	10.12888	8.792625501	15.57876
6.830720658	10.30249	8.831176839	15.66934
6.877606572	10.32514	8.859307995	15.79011
6.897403152	10.32514	8.889522795	17.14881
7.435024506	12.01596	8.930156796	17.26958
7.461072999	12.25751	8.959330755	17.42055
7.493371443	12.2877	8.986420089	17.47339
7.519419936	12.34808	9.02705409	17.48093
7.557969312	12.40847	9.056227068	17.66209
7.586101449	12.46886	9.085401027	17.73003
7.618399893	12.46886	9.123951384	17.84325
7.655908428	12.52924	9.156249828	17.93383
7.685082387	12.52924	9.172920942	17.99422
7.714255365	13.1935	9.193759344	18.11499
7.747596612	13.23124	9.222932322	18.18293
7.785105147	13.37465	9.251063478	18.22822
7.810110837	13.37465	9.281278278	18.38673
7.849703016	13.43504	9.32191326	18.41693
7.877834172	13.52562	9.349002594	18.60563
7.909091775	13.52562	9.380260197	18.71886
7.947642132	13.58601	9.417768732	18.83963
7.97681511	13.64639	9.451108998	18.90002
8.008072713	13.70678	9.47715651	18.9604
8.046622089	13.76717	9.518832333	19.17176
8.073712404	13.76717	9.545921667	19.35291
8.104969026	13.94833	9.57717927	19.38311
8.142477561	14.09929	9.617813271	19.4133
8.172693342	14.09929	9.643860783	19.44349
8.20186632	14.17478	9.789727635	19.45104
8.242500321	14.28045	9.85953069	19.47369

Benda uji 1 (portal)			
Beban arah lateral			
Beban (kN)	Lendutan (mm)	Beban (kN)	Lendutan (mm)
10.1919033	19.51143		
10.20545091	24.81034		
10.26692037	25.08208		
10.30859325	25.15002		
10.33151922	25.18021		
10.33984791	25.18021		
10.40653629	25.75388		
10.42841259	25.75388		
10.46487636	26.26717		
10.5023898	26.32755		
10.51801713	26.32755		
10.55657043	26.86348		
10.6013727	27.41451		
10.62845811	27.4447		
10.65555333	27.4447		
10.65971277	27.4447		
10.69722621	28.01837		
10.72327176	28.01837		
10.75661595	28.61469		
10.79307972	29.19591		
11.3925492	39.555		
10.91081934	64.91451		
10.94832297	66.84688		
10.98791613	67.26958		
11.01813093	67.48093		
11.04626601	67.48093		
11.08793889	68.17538		
11.11919355	68.23576		
11.13587055	68.22822		
11.18588193	69.05098		
11.2140072	69.50388		
11.2525605	70.3191		
11.28173544	70.80219		
11.26505844	71.01354		
11.23589331	71.55702		
11.2223457	73.68565		
10.95562161	74.01777		
10.69514649	74.36499		

Benda uji 2 (Dinding batako)			
Beban arah lateral			
Beban (kN)	Lendutan (mm)	Beban (kN)	Lendutan (mm)
0	0	13.77396594	0.42176
0.00312576	0.00025	14.00735565	0.42176
0.5001138	0.001	14.04694881	0.54253
0.55012518	0.001	14.18343534	0.55763
0.987724755	0.001	14.33659887	0.58027
1.52013798	0.0075	14.50537992	0.60292
1.9702404	0.0075	14.69083797	0.61801
2.487024333	0.0075	14.8908933	0.63311
2.965257909	0.0075	15.75150498	0.63311
3.490377399	0.0124	15.9734268	0.6633
3.939437997	0.0124	17.34666003	0.6633
4.442677263	0.0124	17.49669417	0.6784
4.963629465	0.0186	17.63734995	0.6935
5.397061752	0.0186	17.76341826	0.6935
5.886756351	0.0186	18.19789335	0.85956
5.928432174	0.0186	18.3531366	0.87466
5.975318088	0.0217	18.67091193	0.87466
6.386870151	0.02924	19.1553984	0.87466
6.649429896	0.05944	21.0568707	0.87466
6.903655065	0.08963	21.61429452	0.87466
6.963042843	0.10473	22.08627324	0.87466
7.02138978	0.11982	22.37175405	0.87466
7.358966595	0.11982	22.41968571	0.87466
7.527754512	0.15002	22.47698592	0.90485
7.837200171	0.16511	22.505121	0.93504
7.900756218	0.18021	22.54575402	0.95769
8.381073438	0.18021	22.59680526	0.98033
8.837427771	0.18021	22.66036425	0.99543
9.375050106	0.18021	23.11046667	1.02562
9.526126068	0.19531	23.35010535	1.04072
9.56676105	0.2104	23.48034291	1.05582
9.82515645	0.2104	23.61682944	1.07846
10.304424	0.21795	23.7554055	1.08601
10.39194882	0.24815	23.89502142	1.1162
10.48676247	0.27079	24.03984645	1.1313
10.58678523	0.29344	24.18779106	1.14639
10.69514649	0.30098	24.33574548	1.14639
10.81079658	0.30098	24.48473976	1.16904
11.3348664	0.32363	24.63685362	1.18414
11.47969143	0.34627	24.79105701	1.20678
11.62764585	0.36137	24.94734012	1.21433
11.77664013	0.36137	25.10779248	1.23697
12.37468716	0.36137	25.26929451	1.25962
12.51951219	0.36892	25.60165731	1.26717
12.66121764	0.39156	26.07259617	1.26717
12.79562445	0.39911	26.58625758	1.26717
12.92169276	0.42176	26.69252931	1.28226

Benda uji 2 (Dinding batako)			
Beban arah lateral			
Beban (kN)	Lendutan (mm)	Beban (kN)	Lendutan (mm)
26.78526324	1.29736	35.65603422	4.36952
26.86965867	1.31246	35.75188773	4.37707
26.9457156	1.32755	35.85399021	4.37707
27.31350231	1.3502	35.96027175	4.38462
27.48333303	1.38794	36.0686232	4.40726
27.5364738	1.41813	36.28117647	4.40726
27.59794326	1.43323	36.38536848	4.40726
27.66775122	1.44833	36.82400301	4.40726
27.74901726	1.47852	37.23868152	4.43746
27.84279105	1.47852	37.23243255	4.46765
27.94802292	1.48607	37.25534871	4.4903
28.0668024	1.50871	37.27827468	4.51294
28.19392038	1.52381	37.31265873	4.52804
28.3251978	1.53891	37.53667008	4.55068
28.46272419	1.53891	37.61272701	4.56578
28.60859889	1.56155	37.69607277	4.58842
28.75758336	1.57665	37.78359759	4.58842
28.90970703	1.59929	38.32643394	4.58842
29.38272561	1.62194	38.75569011	4.58842
29.54630736	1.65213	38.89218645	4.60352
29.70988911	1.66723	38.90573406	4.61862
29.87346105	1.68987	38.93177961	4.64881
30.03808266	1.70497	38.9401083	4.64881
30.20166441	1.72007	38.9567853	4.65636
30.52256913	1.72007	38.98075113	4.68655
31.07894328	1.72761	39.01408551	4.7092
31.19564304	1.75026	39.05680806	4.7092
31.29878538	1.76536	39.1078593	4.73939
31.39151931	1.78045	39.16932876	4.76203
31.85516934	1.78045	39.237057	4.76958
32.06354355	2.26354	39.31415379	4.79223
32.55636852	2.26354	39.39854922	4.79978
33.04918368	2.27109	39.48815376	4.79978
33.29820072	2.29374	39.58192755	4.80732
33.54408837	2.29374	39.67569153	4.82997
34.01398737	2.29374	39.77259471	4.82997
34.4474226	2.29374	39.86740836	4.83752
34.82875692	2.29374	40.28624631	4.86016
35.15383089	2.32393	40.68008838	4.86016
35.42160465	2.32393	40.74572709	4.98094
34.97046237	4.2563	40.80615669	5.01113
35.23197735	4.27894	40.87596465	5.02623
35.28094887	4.30914	41.28335433	5.04132
35.3403288	4.31668	41.71366017	5.04132
35.4090969	4.33178	41.88140136	5.05642
35.48307411	4.34688	41.89598883	5.1621
35.56746954	4.34688	41.93662185	5.17719

Benda uji 2 (Dinding batako)			
Beban arah lateral			
Beban (kN)	Lendutan (mm)	Beban (kN)	Lendutan (mm)
41.98455351	5.19229	34.5161907	19.07363
42.04081386	5.21493	34.81104987	19.51143
42.10333299	5.22248	34.93086921	20.01717
42.17210109	5.24513	34.97983092	20.53045
42.24606849	5.25268	35.30282517	21.02864
42.55239555	5.26022	35.44036137	21.54947
42.62324337	5.28287	35.79460047	22.00237
42.96081528	5.29042	35.75084787	22.62888
42.98895036	5.31306	35.53517502	23.06668
43.04730024	5.31306	35.36638416	23.50449
43.1691993	5.42629	35.46014814	24.02532
43.70681673	5.52441	35.59143537	24.50841
44.21109978	5.55461	35.91441981	26.04827
44.55702	5.55461	35.57892762	26.50116
45.17486361	5.82635	35.2663614	27.03709
45.65206125	5.82635	35.25489351	27.51264
45.74374551	5.86409	35.34970716	28.00328
45.74374551	5.88673	35.44036137	28.50901
46.15529463	6.15847	35.31324339	29.02985
46.6314426	6.18867	34.5464055	29.52804
46.94401863	6.21886	34.84542411	30.04132
47.14301448	6.55853	34.43804424	30.51686
47.62855062	6.61137	34.86314097	31.04525
47.95466445	6.67176	34.8787683	31.08299
48.07448379	6.88311	34.90169427	31.09808
48.56001012	6.9435	34.92773982	31.12073
48.57771717	6.9435	34.95482523	31.14337
49.06325331	7.12466	34.98712956	31.17357
49.51856484	7.27562	35.02151361	31.21131
50.0801481	8.6947	35.05589766	31.23395
50.05931166	8.76264	35.08819218	31.24905
44.87479533	9.06457	35.11423773	31.2717
39.4568991	9.10986	35.13924342	31.29434
35.2194696	9.11741	35.15904	31.31698
31.17896604	11.17055	35.17675686	31.33963
31.99999437	12.01596	35.1892548	31.35473
29.00243115	12.51415	35.19967302	31.37737
30.47255775	14.03136	35.2059318	31.40002
30.54861468	14.56729	35.20801152	31.41511
30.99663738	15.00509	35.20801152	31.44531
31.62907827	15.53347	35.20801152	31.4604
32.15627748	16.00147	35.20384227	31.4604
32.24484216	16.5223	35.19551358	31.4604
32.86685502	17.05823	35.18196597	31.4604
33.42635856	17.54887	35.16216939	31.4604
33.89937714	18.03196	35.1371637	31.45285
34.23799872	18.53015	35.10798876	31.44531

Benda uji 2 (Dinding batako)			
Beban arah lateral			
Beban (kN)	Lendutan (mm)	Beban (kN)	Lendutan (mm)
35.0767341	31.45285		
35.04027033	31.43021		
35.00067717	31.43021		
34.96003434	31.43021		
34.91628174	31.43021		
34.87147947	31.43021		
34.82771706	31.43021		
34.78083507	31.43021		
34.73394327	31.43021		
34.69123053	31.43021		
34.64433873	31.43021		
34.60162599	31.43021		
34.55682372	31.43021		
34.51515084	31.43021		
34.47450801	31.43021		
34.43492466	31.43021		
34.3953315	31.43021		
34.35885792	31.43021		
34.32447387	31.43021		
34.29113949	31.43021		
34.25988483	31.4604		
34.235919	31.48305		
34.22237139	31.51324		
35.18196597	32.00388		
35.22051927	32.51717		
35.26948098	33.0078		
34.83396603	33.52864		
34.62454215	34.03438		
34.80896034	34.53257		
34.10359191	34.84204		
34.10151219	34.84204		

Benda uji 3 (Dinding bata merah)			
Beban arah lateral			
Beban (kN)	Lendutan (mm)	Beban (kN)	Lendutan (mm)
0	0	26.53542	0.94382
5.69896	0	26.51458	0.95176
8.38125	0.00695	26.46042	0.96764
10.86771	0.06253	26.45521	0.98352
11.39271	0.07841	26.46042	1.00733
11.4125	0.09429	26.46875	1.01527
12.19271	0.12605	26.59063	1.03115
13.11771	0.1578	26.60625	1.04703
13.15417	0.16574	26.62396	1.05497
13.19063	0.18956	26.64167	1.07879
14.32917	0.20544	27.24688	1.09467
14.38646	0.22132	27.26875	1.11055
14.73333	0.24514	27.35625	1.11849
14.79063	0.25308	27.38021	1.14231
16.34479	0.2769	27.75521	1.15025
16.37812	0.25308	27.78125	1.17406
16.53854	0.28484	27.95	1.20582
16.56979	0.29278	27.97812	1.20582
16.59792	0.31659	28.14167	1.2217
17.77708	0.33247	28.13854	1.23758
17.81354	0.34835	28.13021	1.26934
18.36667	0.38011	28.04167	1.27728
20.03333	0.44363	28.00729	1.3011
20.0875	0.47539	27.97083	1.32492
20.36146	0.4992	27.93333	1.33286
20.41354	0.50714	27.47917	1.35667
20.77813	0.52302	27.47917	1.36461
20.82813	0.5389	27.48333	1.38843
21.36458	0.57066	27.48333	1.39637
21.43021	0.60242	27.72812	1.41225
23.07708	0.61036	27.75625	1.42813
23.11979	0.62624	28.15938	1.43607
23.24896	0.65799	28.19583	1.45989
23.29167	0.66593	28.85417	1.49165
23.88021	0.69769	28.88125	1.49959
23.90938	0.72151	28.90729	1.5234
24.75729	0.72945	29.35729	1.53928
24.78021	0.74533	29.39271	1.55516
24.92813	0.76121	29.60625	1.58692
24.95313	0.79297	29.63437	1.61868
25.60521	0.81679	28.97917	1.69013
25.61667	0.82472	28.975	1.71395
25.77188	0.8406	28.875	1.72983
25.79167	0.85648	28.87188	1.74571
26.62708	0.8803	29.66667	1.77747
26.68333	0.88824	29.70833	1.80923
26.93646	0.92	29.90729	1.84099

Benda uji 3 (Dinding bata merah)			
Beban arah lateral			
Beban (kN)	Lendutan (mm)	Beban (kN)	Lendutan (mm)
29.76354	1.87274	27.59688	3.55592
29.82083	1.88862	27.56771	3.5718
30.03542	1.9045	27.53958	3.58768
30.08854	1.92832	27.0625	3.61944
30.14375	1.93626	27.07083	3.64326
30.3125	1.96802	27.07917	3.6512
30.62604	1.9839	27.13333	3.68296
30.41146	1.99978	27.50417	3.70678
30.2375	2.03153	27.49896	3.72265
30.09896	2.09505	27.49271	3.74647
31.12083	2.22208	26.74583	3.77823
31.33021	2.25384	26.575	3.80999
31.56667	2.25384	25.99583	3.83381
32.1625	2.44439	25.99375	3.84175
32.6625	2.6667	25.76458	3.85763
32.76979	2.69845	25.79896	3.87351
33.24479	2.79373	25.84063	3.88938
33.89792	2.84137	25.89167	3.90526
33.98438	2.85725	26.45417	3.93702
34.06875	2.85725	26.53333	3.9529
34.14896	2.85725	26.61563	3.96878
34.22709	2.87312	26.69375	4.00054
34.30208	2.889	27.10417	4.02436
34.37604	2.92076	27.18854	4.0323
34.44375	2.92076	27.26979	4.05611
34.51042	2.92076	27.35104	4.06405
34.56979	2.92076	27.42917	4.06405
34.62812	2.93664	27.50729	4.07199
34.67708	2.96046	27.58125	4.09581
34.71042	2.98428	27.84792	4.12757
34.72813	2.99222	27.90521	4.15933
34.72396	3.01604	28.00417	4.16727
33.94688	3.11131	28.04583	4.19109
33.80938	3.11925	28.08333	4.21491
32.72187	3.23834	28.14688	4.22285
32.50521	3.2701	28.17396	4.23872
31.20208	3.28598	28.2	4.2546
30.99583	3.30186	28.28333	4.26254
30.61146	3.33362	28.29583	4.28636
29.18646	3.3495	28.02917	4.2943
29.05833	3.36538	28.00833	4.31812
28.50417	3.38919	27.99271	4.34988
28.40833	3.42095	27.98542	4.38958
28.325	3.46859	27.98958	4.41339
28.25208	3.49241	28.00313	4.44515
28.19167	3.52417	28.02188	4.47691
27.80833	3.54798	28.04375	4.48485

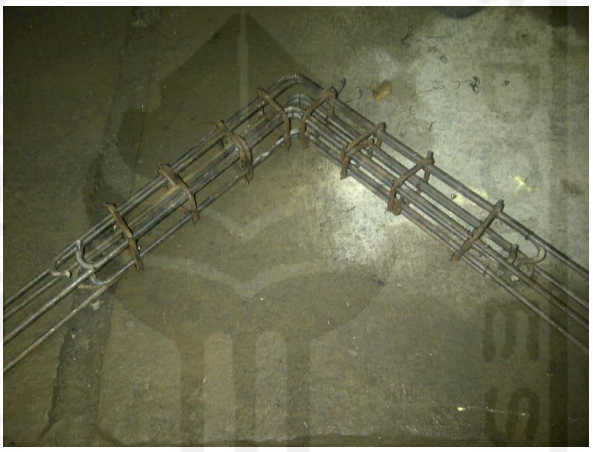
Benda uji 3 (Dinding bata merah)			
Beban arah lateral			
Beban (kN)	Lendutan (mm)	Beban (kN)	Lendutan (mm)
28.06771	4.50867	32.30104	10.86029
28.09063	4.54043	32.36667	10.90793
28.11563	4.54043	32.43958	10.95557
28.13646	4.56424	32.4625	10.96351
28.15417	4.57218	32.47917	10.98733
28.18542	4.58806	32.30312	11.01908
28.19063	4.60394	31.94375	11.03496
28.19167	4.61982	31.91875	11.05084
28.19583	4.6357	31.63958	11.05878
28.2	4.65952	31.63333	11.0826
28.20417	4.66746	31.63333	11.10642
28.20625	4.69922	31.66771	11.14612
28.21458	4.92946	31.75104	11.20963
28.20625	4.95328	31.95521	11.24933
28.18333	4.98504	32.06458	11.31285
28.18021	5.0168	32.12917	11.36048
28.76667	5.58844	32.23854	11.40018
28.61979	5.81075	32.37396	11.4637
29.22396	6.0013	32.53542	11.5034
29.69687	6.50943	32.57084	11.55897
30.15625	7.00962	32.56458	11.60661
30.69479	7.55745	32.52083	11.70982
30.74063	8.00206	32.50417	11.81304
30.95417	8.54195	32.52292	11.90831
31.37917	8.98656	32.58125	12.00359
31.97812	9.62173	32.65	12.13856
31.16771	9.74876	32.6625	12.22589
31.25625	9.81228	32.67396	12.31323
31.3375	9.85197	32.13334	12.47202
31.59063	9.97901	32.14063	12.51966
31.64375	10.00282	32.31042	12.66257
32.02813	10.05046	32.52708	12.76578
32.18438	10.12986	32.61667	12.80548
32.22709	10.16161	31.94896	12.92457
32.24792	10.20131	31.88333	13.00397
32.25834	10.25689	32.09583	13.1707
32.25417	10.29659	32.3125	13.25009
32.21146	10.35216	32.4	13.35331
32.17292	10.41568	32.41875	13.40094
32.14583	10.46332	32.50417	13.59943
32.14167	10.51095	32.53646	13.67883
32.09063	10.55859	32.60209	13.75028
32.08958	10.59829	32.38229	13.7741
32.13958	10.64593	32.23646	13.80586
32.175	10.7015	32.00417	13.94083
32.20208	10.75708	32.02396	14.00435
32.24896	10.79678	32.21354	14.51248

Benda uji 3 (Dinding bata merah)			
Beban arah lateral			
Beban (kN)	Lendutan (mm)	Beban (kN)	Lendutan (mm)
32.24271	15.09206		
31.64167	15.5208		
31.9625	16.02099		
31.31458	16.545		
31.88333	17.02931		
31.48021	18.05351		
32.46875	19.03801		
32.08542	20.03839		
31.36667	21.84861		
31.36771	22.02328		
31.75833	23.02366		
31.92708	24.0955		
32.01458	25.07206		
31.84896	26.16771		
29.90729	27.04106		
30.88021	30.32803		
30.9875	31.09816		
31.20833	32.20176		
28.76667	32.36055		
28.67917	32.36055		
28.64167	32.36055		

LAMPIRAN 3

Dokumentasi

1. Pembuatan Cetakan Komponen Pracetak



2. Perangkaian tulangan komponen Pracetak

3. Pemasangan tulangan pada cetakan pracetak

4. Mix Design

5. Uji Slump

6. Pengecoran komponen pracetak

7. Pengecoran sample silinder beton

8. Komponen Pracetak

9. Silinder beton

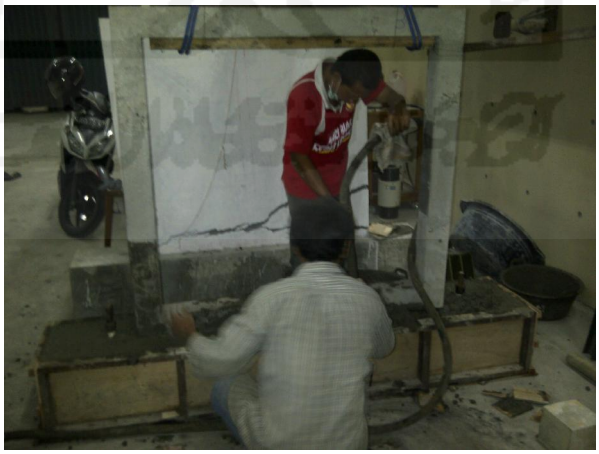
10. Uji Desak Silinder Beton

11. Silinder Beton Yang Telah diuji Desa

12. Perangkaian komponen pracetak menjadi portal

13. Pengecoran sambungan komponen Pracetak

14. Pemasangan portal beton pracetak ke fondasi



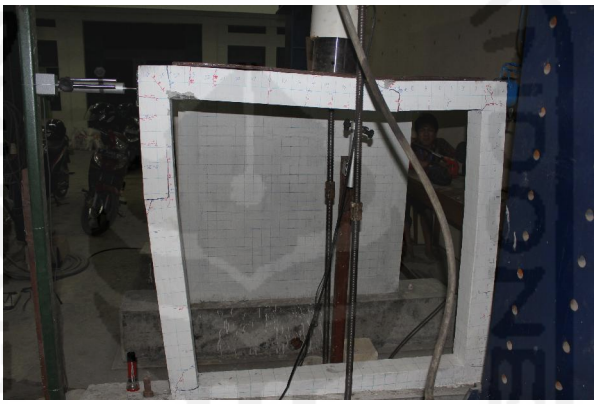
15. Pengecoran fondasi

16. Pemasangan batako

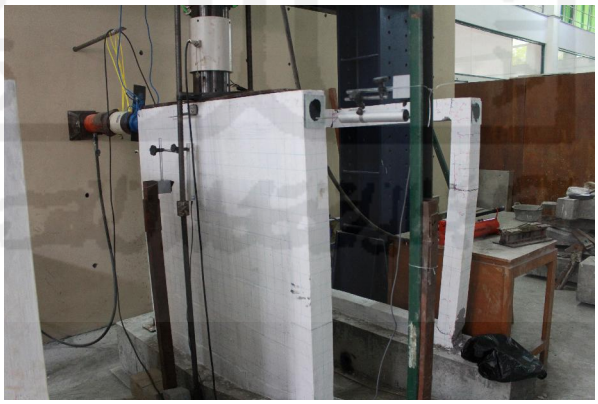
17. Pemasangan bata merah

18. Pengecatan benda uji

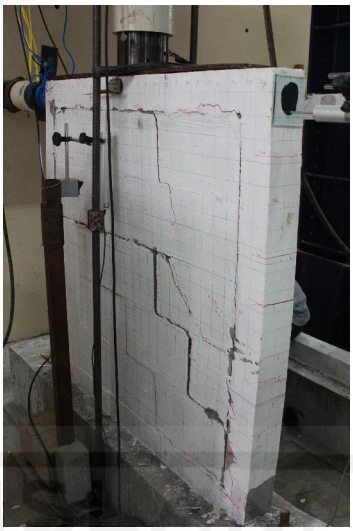
19. Pengujian Benda uji 1 (portal pracetak terbuka)



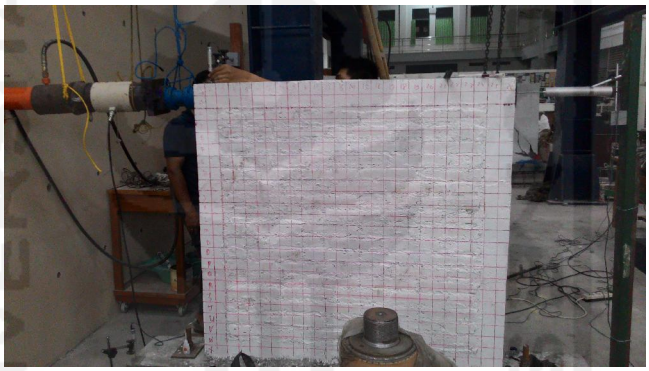
20. Hasil Pengujian benda uji 1



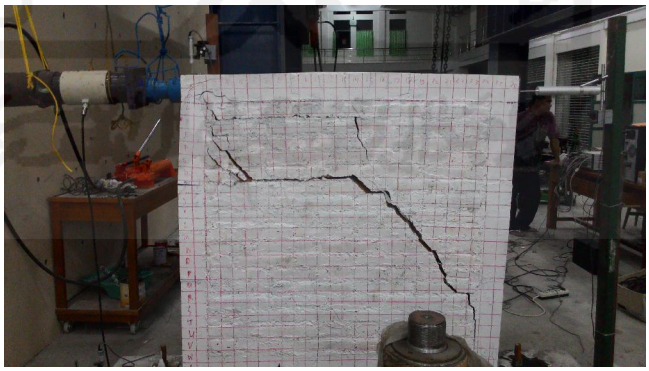
21. Pengujian benda uji 2 (dinding batako UII)



22. Hasil pengujian benda uji 2

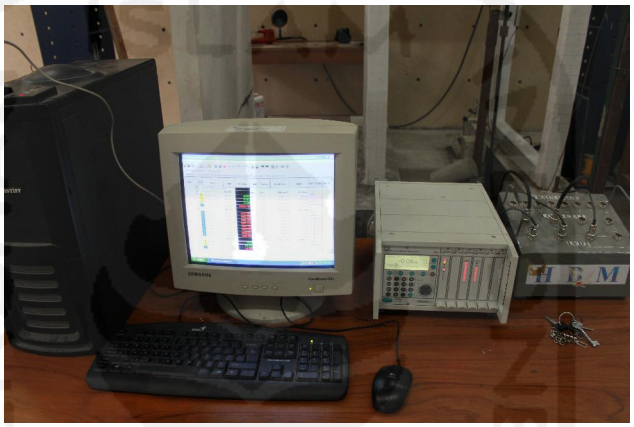


23. Pengujian benda uji 3 (dinding bata merah)



24. Hasil Pengujian benda uji 3

25. Penggambaran Pola retak



26. Pengambilan data uji

27. Beban dan *Load cell* vertikal

28. Beban & *Load cell* lateral

29. *LVDT* vertikal

30. *LVDT* lateral

31. *LVDT* fondasi