

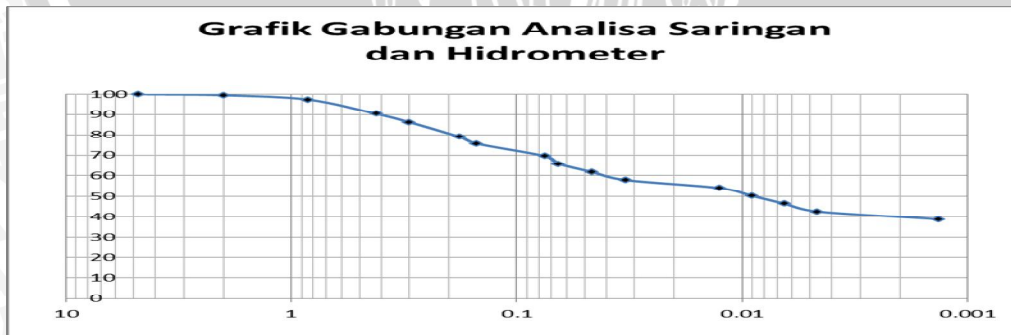
LAMPIRAN

Lampiran 1. Data Analisis Saringan dan Analisis Hidrometer

Data Analisis Saringan dan Analisis Hidrometer Sampel Tanah 1 Gondanglegi

No.	Saringan	Tertahan saringan	Jumlah Tertahan	% Jumlah Tertahan	% Lolos Saringan
	Diameter(mm)				
4	4.75	0	0	0	100
10	2	1	1	0.5	99.5
20	0.84	4.3	5.3	2.65	97.35
40	0.42	14	19.3	9.65	90.35
50	0.3	8.2	27.5	13.75	86.25
80	0.18	14.4	41.9	20.95	79.05
100	0.15	6.9	48.8	24.4	75.6
200	0.075	12.2	61	30.50	69.50
Pan		139	200	100	0

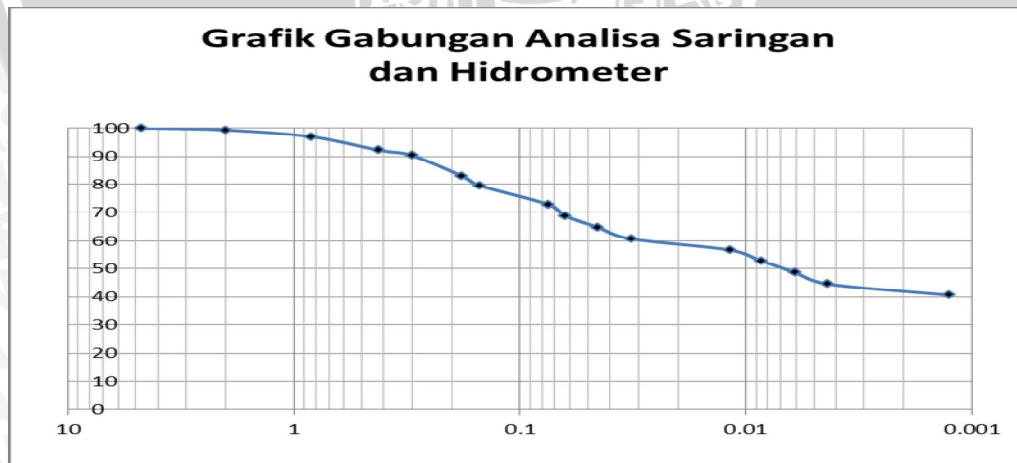
t (minute)	C (°C)	Rh	Cr	Rc (Rh+Ct)	a	Finer (%)	R	L (cm)	L/t	K	D (mm)	Adjusted finer (%)
0.5	26	1.0170	1.65	2.6670	1.04	94.4647	18.00	12.036	24.0720	0.0133	0.0653	65.6530
1	26	1.0160	1.65	2.6660	1.04	88.9315	17.00	12.293	12.2930	0.0133	0.0466	61.8074
2	26	1.0160	1.65	2.6660	1.04	83.3983	17.00	12.293	6.1465	0.0133	0.0330	57.9618
15	26	1.0120	1.65	2.6620	1.04	77.8734	13.00	13.321	0.8881	0.0133	0.0125	54.1220
30	26	1.0100	1.65	2.6600	1.04	72.3526	11.00	13.835	0.4612	0.0133	0.0090	50.2851
60	26	1.0080	1.65	2.6580	1.04	66.8360	9.00	14.349	0.2392	0.0133	0.0065	46.4510
120	26	1.0070	1.65	2.6570	1.04	61.3215	8.00	14.606	0.1217	0.0133	0.0046	42.6184
1440	26	1.0070	1.65	2.6570	1.04	55.8070	8.00	14.606	0.0101	0.0133	0.0013	38.7859



**Data Analisis Saringan dan Analisis Hidrometer Sampel Tanah 2 Gondanglegi**

No.	Saringan		Tertahan saringan	Jumlah Tertahan	% Jumlah Tertahan	% Lolos Saringan
	Diameter(mm)					
4	4.75		0	0	0	100
10	2		1.4	1.4	0.7	99.3
20	0.84		4.8	6.2	3.1	96.9
40	0.42		9.5	15.7	7.85	92.15
50	0.3		3.7	19.4	9.7	90.3
80	0.18		14.8	34.2	17.1	82.9
100	0.15		7	41.2	20.6	79.4
200	0.075		13.1	54.3	27.15	72.85
Pan			145.7	200	100	0

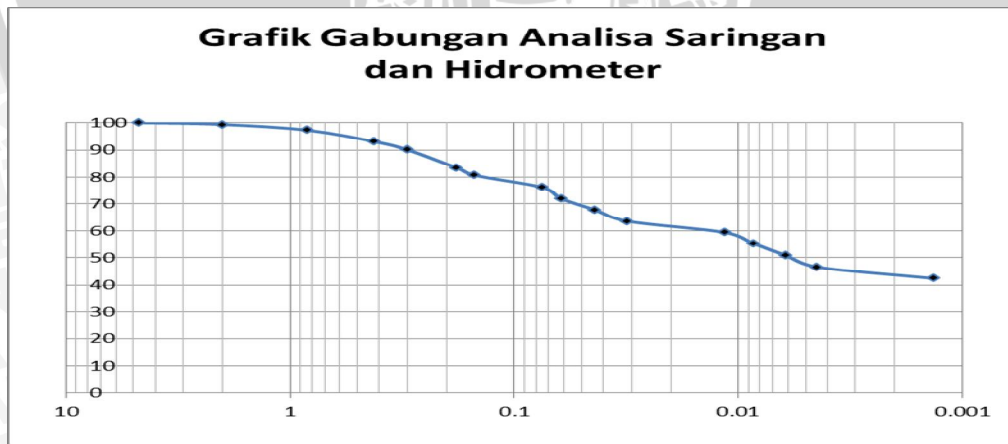
t (minute)	C (°C)	Rh	Cr	Rc (Rh+Ct)	a	Finer (%)	R	L (cm)	L/t	K	D (mm)	Adjusted finer (%)
0.5	26	1.0200	1.65	2.6700	1.04	94.4585	21.00	11.265	22.5300	0.0133	0.0631	68.8130
1	26	1.0190	1.65	2.6690	1.04	88.9191	20.00	11.522	11.5220	0.0133	0.0451	64.7775
2	26	1.0180	1.65	2.6680	1.04	83.3817	19.00	11.779	5.8895	0.0133	0.0323	60.7436
15	26	1.0180	1.65	2.6680	1.04	77.8443	19.00	11.779	0.7853	0.0133	0.0118	56.7096
30	26	1.0160	1.65	2.6660	1.04	72.3111	17.00	12.293	0.4098	0.0133	0.0085	52.6787
60	26	1.0150	1.65	2.6650	1.04	66.7800	16.00	12.55	0.2092	0.0133	0.0061	48.6492
120	26	1.0140	1.65	2.6640	1.04	61.2509	15.00	12.807	0.1067	0.0133	0.0043	44.6213
1440	26	1.0140	1.65	2.6640	1.04	55.7219	15.00	12.807	0.0089	0.0133	0.0013	40.5934



**Data Analisis Saringan dan Analisis Hidrometer Sampel Tanah 3 Gondanglegi**

No.	Saringan		Tertahan saringan	Jumlah Tertahan	% Jumlah Tertahan	% Lolos Saringan
	Diameter(mm)					
4	4.75		0	0	0	100
10	2		1.3	1.3	0.65	99.35
20	0.84		4.2	5.5	2.75	97.25
40	0.42		8.5	14	7	93
50	0.3		5.9	19.9	9.95	90.05
80	0.18		13.1	33	16.5	83.5
100	0.15		5.6	38.6	19.3	80.7
200	0.075		9	47.6	23.8	76.2
Pan			152.4	200	100	0

t (minute)	C (°C)	Rh	Cr	Rc (Rh+Ct)	a	Finer (%)	R	L (cm)	L/t	K	D (mm)	Adjusted finer (%)
0.5	26	1.0220	1.65	2.6720	1.04	94.4543	23.00	10.751	21.5020	0.0133	0.0617	71.9742
1	26	1.0220	1.65	2.6720	1.04	88.9087	23.00	10.751	10.7510	0.0133	0.0436	67.7484
2	26	1.0210	1.65	2.6710	1.04	83.3651	22.00	11.008	5.5040	0.0133	0.0312	63.5242
15	26	1.0210	1.65	2.6710	1.04	77.8215	22.00	11.008	0.7339	0.0133	0.0114	59.3000
30	26	1.0160	1.65	2.6660	1.04	72.2883	17.00	12.293	0.4098	0.0133	0.0085	55.0837
60	26	1.0140	1.65	2.6640	1.04	66.7592	15.00	12.807	0.2135	0.0133	0.0061	50.8705
120	26	1.0120	1.65	2.6620	1.04	61.2343	13.00	13.321	0.1110	0.0133	0.0044	46.6606
1440	26	1.0070	1.65	2.6570	1.04	55.7198	8.00	14.606	0.0101	0.0133	0.0013	42.4585

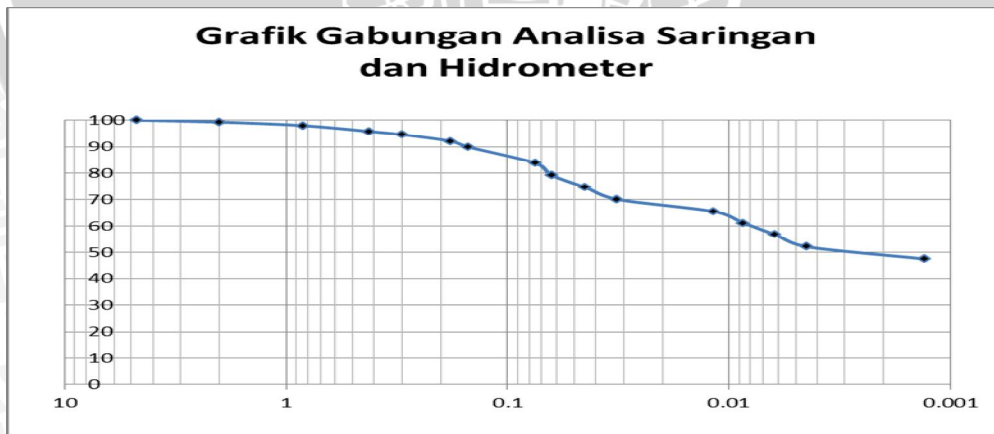


**Data Analisis Saringan dan Analisis Hidrometer Sampel Tanah 1 Tegalweru**

No.	Saringan		Tertahan saringan	Jumlah Tertahan	% Jumlah Tertahan	% Lolos Saringan
	Diameter(mm)					
4	4.75		0	0	0	100
10	2		1.4	1.4	0.7	99.3
20	0.84		2.6	4	2	98
40	0.42		4.3	8.3	4.15	95.85
50	0.3		2.4	10.7	5.35	94.65
80	0.18		5.1	15.8	7.9	92.1
100	0.15		4.5	20.3	10.15	89.85
200	0.075		12.3	32.6	16.3	83.70
Pan			167.4	200	100	0

t (minute)	C (°C)	Rh	Cr	Rc (Rh+Ct)	a	Finer (%)	R	L (cm)	L/t	K	D (mm)	Adjusted finer (%)
0.5	26	1.0170	1.65	2.6670	1.01	94.6031	18.00	12.036	24.0720	0.0129	0.0633	79.1828
1	26	1.0170	1.65	2.6670	1.01	89.2062	18.00	12.036	12.0360	0.0129	0.0448	74.6656
2	26	1.0160	1.65	2.6660	1.01	83.8113	17.00	12.293	6.1465	0.0129	0.0320	70.1501
15	26	1.0150	1.65	2.6650	1.01	78.4185	16.00	12.55	0.8367	0.0129	0.0118	65.6363
30	26	1.0120	1.65	2.6620	1.01	73.0317	13.00	13.321	0.4440	0.0129	0.0086	61.1275
60	26	1.0100	1.65	2.6600	1.01	67.6489	11.00	13.835	0.2306	0.0129	0.0062	56.6222
120	26	1.0080	1.65	2.6580	1.01	62.2703	9.00	14.349	0.1196	0.0129	0.0045	52.1202
1440	26	1.0060	1.65	2.6560	1.01	56.8956	7.00	14.863	0.0103	0.0129	0.0013	47.6216

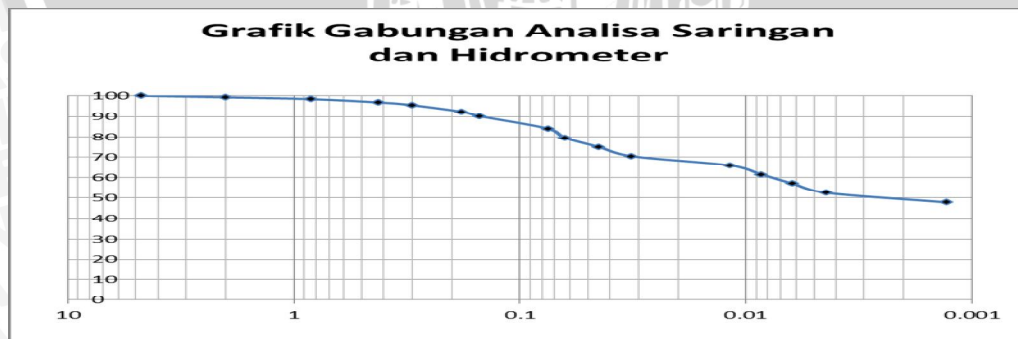
**Grafik Gabungan Analisa Saringan dan Hidrometer**



**Data Analisis Saringan dan Analisis Hidrometer Sampel Tanah 2 Tegalweru**

Saringan		Tertahan saringan	Jumlah Tertahan	% Jumlah Tertahan	% Lolos Saringan
No.	Diameter(mm)				
4	4.75	0	0	0	100
10	2	1.5	1.5	0.75	99.25
20	0.84	1.7	3.2	1.6	98.4
40	0.42	3.1	6.3	3.15	96.85
50	0.3	2.6	8.9	4.45	95.55
80	0.18	6.3	15.2	7.6	92.4
100	0.15	4.4	19.6	9.8	90.2
200	0.075	12.2	31.8	15.9	84.1
Pan		168.2	200	100	0

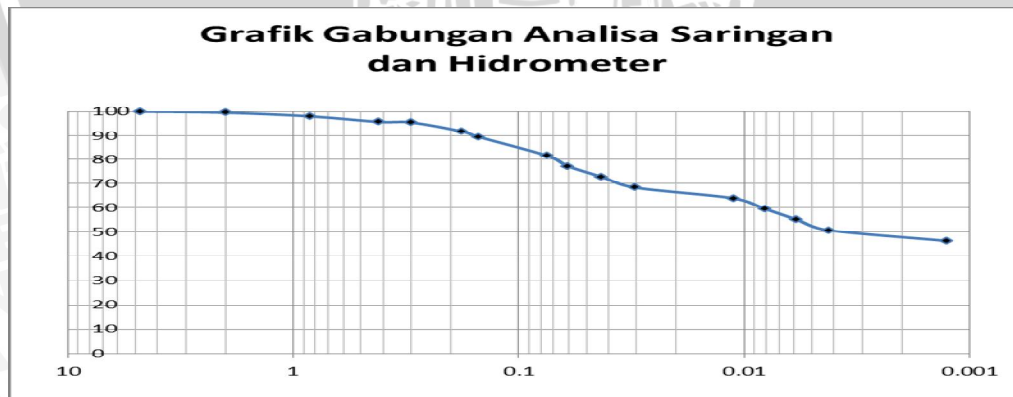
t (minute)	C (°C)	Rh	Cr	Rc (Rh+Ct)	a	Finer (%)	R	L (cm)	L/t	K	D (mm)	Adjusted finer (%)
0.5	26	1.0170	1.65	2.6670	1.01	94.6031	18.00	12.036	24.0720	0.0129	0.0633	79.5612
1	26	1.0170	1.65	2.6670	1.01	89.2062	18.00	12.036	12.0360	0.0129	0.0448	75.0224
2	26	1.0160	1.65	2.6660	1.01	83.8113	17.00	12.293	6.1465	0.0129	0.0320	70.4853
15	26	1.0150	1.65	2.6650	1.01	78.4185	16.00	12.55	0.8367	0.0129	0.0118	65.9499
30	26	1.0130	1.65	2.6630	1.01	73.0297	14.00	13.064	0.4355	0.0129	0.0085	61.4179
60	26	1.0100	1.65	2.6600	1.01	67.6469	11.00	13.835	0.2306	0.0129	0.0062	56.8911
120	26	1.0100	1.65	2.6600	1.01	62.2642	11.00	13.835	0.1153	0.0129	0.0044	52.3642
1440	26	1.0080	1.65	2.6580	1.01	56.8855	9.00	14.349	0.0100	0.0129	0.0013	47.8407



**Data Analisis Saringan dan Analisis Hidrometer Sampel Tanah 3 Tegalweru**

No.	Saringan		Tertahan saringan	Jumlah Tertahan	% Jumlah Tertahan	% Lolos Saringan
	Diameter(mm)					
4	4.75		0	0	0	100
10	2		0.9	0.9	0.45	99.55
20	0.84		3	3.9	1.95	98.05
40	0.42		4.5	8.4	4.2	95.8
50	0.3		0.5	8.9	4.45	95.55
80	0.18		7.2	16.1	8.05	91.95
100	0.15		5	21.1	10.55	89.45
200	0.075		15.8	36.9	18.45	81.55
Pan			163.1	200	100	0

t (minute)	C (°C)	Rh	Cr	Rc (Rh+Ct)	a	Finer (%)	R	L (cm)	L/t	K	D (mm)	Adjusted finer (%)
0.5	26	1.0210	1.65	2.6710	1.01	94.5950	22.00	11.008	22.0160	0.0129	0.0605	77.1422
1	26	1.0210	1.65	2.6710	1.01	89.1900	22.00	11.008	11.0080	0.0129	0.0428	72.7345
2	26	1.0200	1.65	2.6700	1.01	83.7870	21.00	11.265	5.6325	0.0129	0.0306	68.3283
15	26	1.0200	1.65	2.6700	1.01	78.3841	21.00	11.265	0.7510	0.0129	0.0112	63.9222
30	26	1.0180	1.65	2.6680	1.01	72.9851	19.00	11.779	0.3926	0.0129	0.0081	59.5194
60	26	1.0160	1.65	2.6660	1.01	67.5903	17.00	12.293	0.2049	0.0129	0.0058	55.1199
120	26	1.0140	1.65	2.6640	1.01	62.1994	15.00	12.807	0.1067	0.0129	0.0042	50.7236
1440	26	1.0100	1.65	2.6600	1.01	56.8167	11.00	13.835	0.0096	0.0129	0.0013	46.3340



**Lampiran 2. Data Hasil Uji Specific Gravity**

No. Pikno			
Berat Pikno	W1	gr	53
Berat Pikno + Tanah	W2	gr	73
Berat Tanah	$W_t = W_2 - W_1$	gr	20
Berat Pikno + Tanah + Air	W3	gr	162.3
Berat Pikno + Air	W4	gr	150.8
Temperatur		C°	27
Faktor Koreksi Temperatur	K		0.9963
Berat Pikno + Air Terkoreksi	W5	gr	150.24
Berat Jenis (Gs)	$W_t / (W_5 - W_1) - (W_2 - W_3)$		2.518

No. Pikno			
Berat Pikno	W1	gr	39.4
Berat Pikno + Tanah	W2	gr	59.4
Berat Tanah	$W_t = W_2 - W_1$	gr	20
Berat Pikno + Tanah + Air	W3	gr	151.3
Berat Pikno + Air	W4	gr	139.5
Temperatur		C°	27
Faktor Koreksi Temperatur	K		0.9963
Berat Pikno + Air Terkoreksi	W5	gr	138.98
Berat Jenis (Gs)	$W_t / (W_5 - W_1) - (W_2 - W_3)$		2.603

**Lampiran 3. Data Hasil Uji Kuat Tekan Metode Kubus**

**Sampel Batu Bata Kubus 1 Gondanglegi**

No Benda Uji : 1

Ukuran Bata :

p = 3,5 cm

l = 3,5 cm

h = 3,5 cm

Tanggal = 21 April 2014

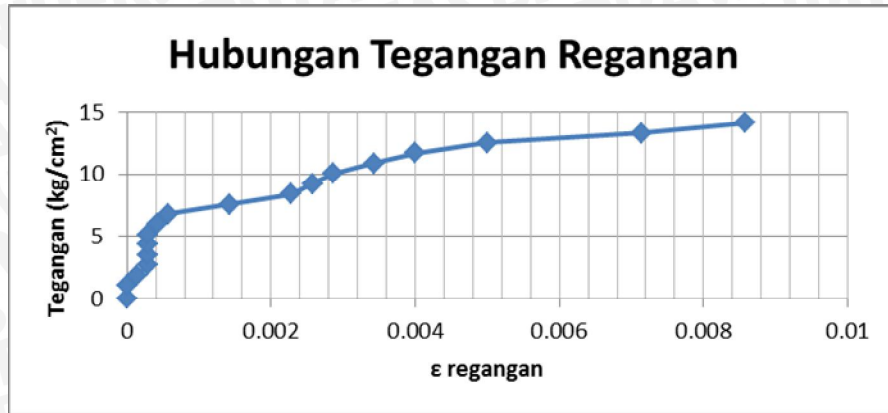
Berat Plat = 1,30 kg

Berat Ring = 1,85 kg

Kuat Tekan	$\Delta H$	$\Delta v$	E Aksial
0	0	0	0
1.07	0.0000	0.0000	0.0000
1.89	0.0010	0.0005	0.0001
2.71	0.0010	0.0010	0.0003
3.52	0.0025	0.0010	0.0003
4.34	0.0015	0.0010	0.0003
5.16	0.0015	0.0010	0.0003
5.97	0.0020	0.0015	0.0004
6.79	0.0030	0.0020	0.0006
7.60	0.0030	0.0050	0.0014
8.42	0.0040	0.0080	0.0023
9.24	0.0040	0.0090	0.0026
10.05	0.0050	0.0100	0.0029
10.87	0.0080	0.0120	0.0034
11.69	0.0100	0.0140	0.0040
12.50	0.0120	0.0175	0.0050
13.32	0.0120	0.0250	0.0071
14.13	0.0210	0.0300	0.0086
14.95	0.0320	0.0355	0.0101
15.77	0.0390	0.0420	0.0120
16.58	0.0480	0.0480	0.0137
17.40	0.0530	0.0580	0.0166
18.22	0.0630	0.0500	0.0143
19.03	0.0700	0.0580	0.0166
19.85	0.0990	0.0750	0.0214







**Sampel Batu Bata Kubus 2 Gondanglegi**

No Benda Uji : 2

Ukuran Bata :

p = 3,5 cm

l = 3,5 cm

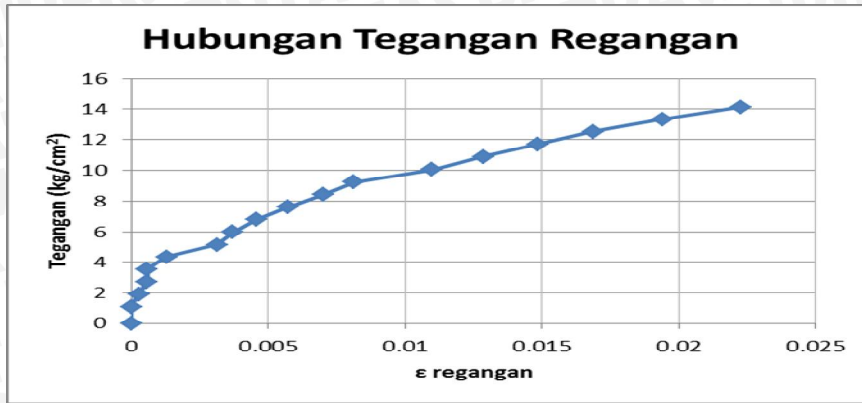
h = 3,5 cm

Tanggal = 21 April 2014

Berat Plat = 1,30 kg

Berat Ring = 1,85 kg

Kuat Tekan	ΔH	Δv	E Aksial
0	0	0	0
1.07	0.001	0	0
1.89	0.0045	0.001	0.000286
2.71	0.01	0.002	0.000571
3.52	0.015	0.002	0.000571
4.34	0.023	0.0045	0.001286
5.16	0.028	0.011	0.003143
5.97	0.035	0.013	0.003714
6.79	0.036	0.016	0.004571
7.60	0.039	0.02	0.005714
8.42	0.048	0.0245	0.007
9.24	0.052	0.0285	0.008143
10.05	0.056	0.0385	0.011
10.87	0.064	0.045	0.012857
11.69	0.067	0.052	0.014857
12.50	0.084	0.059	0.016857
13.32	0.089	0.068	0.019429
14.13	0.117	0.078	0.022286



**Sampel Batu Bata Kubus 3 Gondanglegi**

No Benda Uji : 3

Ukuran Bata :

p = 3,5 cm

l = 3,5 cm

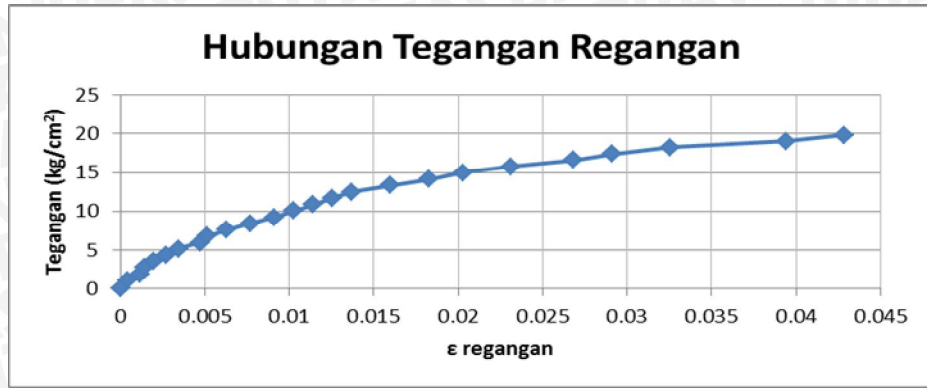
h = 3,5 cm

Tanggal = 21 April 2014

Berat Plat = 1,30 kg

Berat Ring = 1,85 kg

Kuat Tekan	ΔH	Δv	E Aksial
0	0	0	0
1.07	0.0010	0.0015	0.0004
1.89	0.0000	0.0040	0.0011
2.71	0.0000	0.0050	0.0014
3.52	0.0010	0.0070	0.0020
4.34	0.0000	0.0095	0.0027
5.16	0.0000	0.0120	0.0034
5.97	0.0000	0.0165	0.0047
6.79	0.0020	0.0180	0.0051
7.60	0.0040	0.0220	0.0063
8.42	0.0070	0.0270	0.0077
9.24	0.0090	0.0320	0.0091
10.05	0.0130	0.0360	0.0103
10.87	0.0170	0.0400	0.0114
11.69	0.0260	0.0440	0.0126
12.50	0.0390	0.0480	0.0137
13.32	0.0500	0.0560	0.0160
14.13	0.0680	0.0640	0.0183
14.95	0.0740	0.0710	0.0203
15.77	0.1030	0.0810	0.0231
16.58	0.1220	0.0940	0.0269
17.40	0.1410	0.1020	0.0291
18.22	0.1600	0.1140	0.0326
19.03	0.2150	0.1380	0.0394
19.85	0.2500	0.1500	0.0429



**Sampel Batu Bata Kubus 4 Gondanglegi**

No Benda Uji : 4

Ukuran Bata :

p = 3,5 cm

l = 3,5 cm

h = 3,5 cm

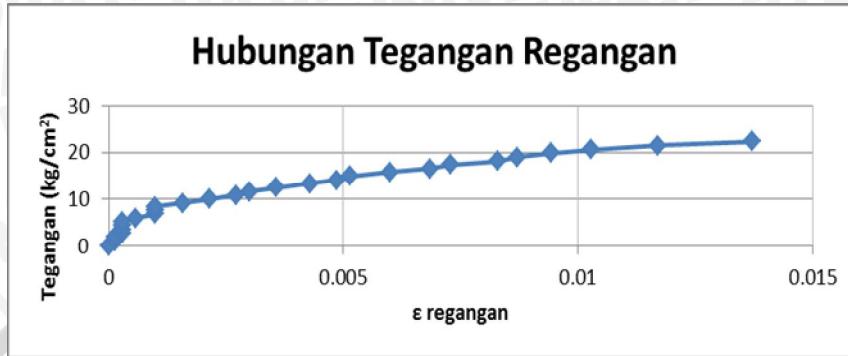
Tanggal = 21 April 2014

Berat Plat = 1,30 kg

Berat Ring = 1,85 kg

Kuat Tekan	$\Delta H$	$\Delta v$	E Aksial
0	0	0	0
1.07	0.008	0	0
1.89	0.008	0.0005	0.000143
2.71	0.008	0.0005	0.000143
3.52	0.009	0.001	0.000286
4.34	0.0115	0.001	0.000286
5.16	0.0115	0.001	0.000286
5.97	0.013	0.001	0.000286
6.79	0.014	0.002	0.000571
7.60	0.016	0.0035	0.001
8.42	0.018	0.0035	0.001
9.24	0.02	0.0035	0.001
10.05	0.02	0.0055	0.001571
10.87	0.02	0.0075	0.002143
11.69	0.02	0.0095	0.002714
12.50	0.022	0.0105	0.003
13.32	0.024	0.0125	0.003571
14.13	0.024	0.015	0.004286
14.95	0.024	0.017	0.004857
15.77	0.025	0.018	0.005143
16.58	0.026	0.021	0.006
17.40	0.034	0.024	0.006857
18.22	0.039	0.0255	0.007286
19.03	0.047	0.029	0.008286
19.85	0.054	0.0305	0.008714

20.67	0.062	0.033	0.009429
21.48	0.077	0.036	0.010286
22.30	0.094	0.041	0.011714
23.11	0.15	0.048	0.013714



**Sampel Batu Bata Kubus 5 Gondanglegi**

No Benda Uji : 5

Ukuran Bata :

p = 3,5 cm

l = 3,5 cm

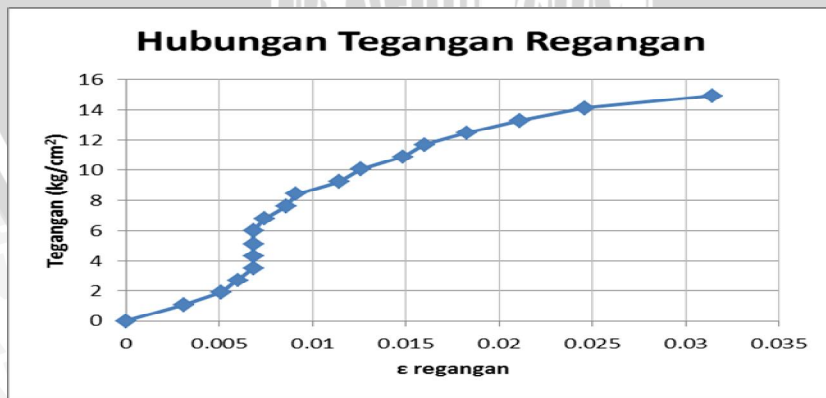
h = 3,5 cm

Tanggal = 21 April 2014

Berat Plat = 1,30 kg

Berat Ring = 1,85 kg

Kuat Tekan	$\Delta H$	$\Delta v$	E Aksial
0	0	0	0
1.07	0.0000	0.0110	0.0031
1.89	0.0000	0.0180	0.0051
2.71	0.0000	0.0210	0.0060
3.52	0.0010	0.0240	0.0069
4.34	0.0010	0.0240	0.0069
5.16	0.0020	0.0240	0.0069
5.97	0.0000	0.0240	0.0069
6.79	0.0040	0.0260	0.0074
7.60	0.0050	0.0300	0.0086
8.42	0.0050	0.0320	0.0091
9.24	0.0060	0.0400	0.0114
10.05	0.0060	0.0440	0.0126
10.87	0.0070	0.0520	0.0149
11.69	0.0090	0.0560	0.0160
12.50	0.0100	0.0640	0.0183
13.32	0.0130	0.0740	0.0211
14.13	0.0150	0.0860	0.0246
14.95	0.0290	0.1100	0.0314



**Sampel Batu Bata Kubus 6 Gondanglegi**

No Benda Uji : 6

Ukuran Bata :

p = 3,5 cm

l = 3,5 cm

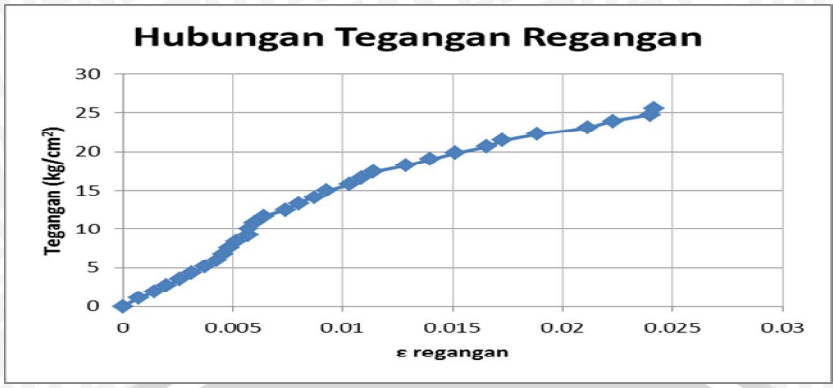
h = 3,5 cm

Tanggal = 21 April 2014

Berat Plat = 1,30 kg

Berat Ring = 1,85 kg

Kuat Tekan	$\Delta H$	$\Delta v$	E Aksial
0	0	0	0
1.07	0.0000	0.0025	0.0007
1.89	0.0000	0.0050	0.0014
2.71	0.0000	0.0070	0.0020
3.52	0.0020	0.0090	0.0026
4.34	0.0000	0.0110	0.0031
5.16	0.0000	0.0130	0.0037
5.97	0.0000	0.0150	0.0043
6.79	0.0000	0.0160	0.0046
7.60	0.0000	0.0170	0.0049
8.42	0.0010	0.0180	0.0051
9.24	0.0020	0.0200	0.0057
10.05	0.0020	0.0200	0.0057
10.87	0.0030	0.0210	0.0060
11.69	0.0010	0.0225	0.0064
12.50	0.0020	0.0260	0.0074
13.32	0.0030	0.0280	0.0080
14.13	0.0060	0.0305	0.0087
14.95	0.0070	0.0325	0.0093
15.77	0.0090	0.0360	0.0103
16.58	0.0140	0.0380	0.0109
17.40	0.0170	0.0400	0.0114
18.22	0.0210	0.0450	0.0129
19.03	0.0250	0.0490	0.0140
19.85	0.0300	0.0530	0.0151
20.67	0.0335	0.0580	0.0166
21.48	0.0380	0.0605	0.0173
22.30	0.0420	0.0660	0.0189
23.11	0.0490	0.0740	0.0211
23.93	0.0560	0.0780	0.0223
24.75	0.0610	0.0840	0.0240
25.56	0.0740	0.0845	0.0241



**Sampel Batu Bata Kubus 7 Gondanglegi**

No Benda Uji : 7

Ukuran Bata :

p = 3,5 cm

l = 3,5 cm

h = 3,5 cm

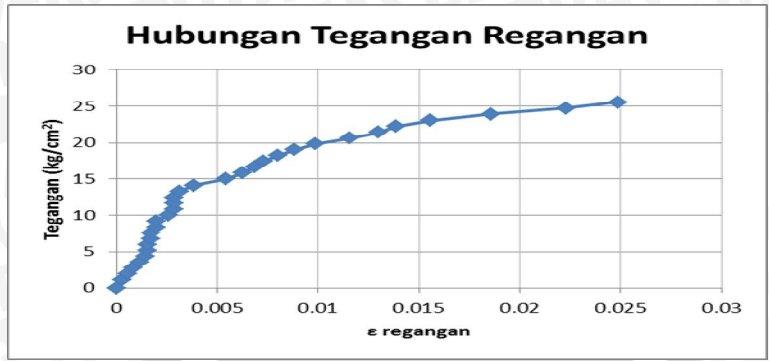
Tanggal = 21 April 2014

Berat Plat = 1,30 kg

Berat Ring = 1,85 kg

Kuat Tekan	$\Delta H$	$\Delta v$	E Aksial
0	0	0	0
1.07	0	0.001	0.000286
1.89	0.002	0.002	0.000571
2.71	0	0.003	0.000857
3.52	0.001	0.004	0.001143
4.34	0.002	0.005	0.001429
5.16	0.004	0.0055	0.001571
5.97	0.005	0.0055	0.001571
6.79	0.008	0.006	0.001714
7.60	0.008	0.006	0.001714
8.42	0.009	0.007	0.002
9.24	0.01	0.007	0.002
10.05	0.011	0.009	0.002571
10.87	0.013	0.01	0.002857
11.69	0.012	0.01	0.002857
12.50	0.013	0.01	0.002857
13.32	0.014	0.011	0.003143
14.13	0.014	0.0135	0.003857
14.95	0.016	0.019	0.005429
15.77	0.017	0.022	0.006286
16.58	0.022	0.024	0.006857
17.40	0.026	0.0255	0.007286
18.22	0.029	0.028	0.008
19.03	0.032	0.031	0.008857
19.85	0.034	0.0345	0.009857
20.67	0.037	0.0405	0.011571
21.48	0.045	0.0455	0.013
22.30	0.046	0.0485	0.013857
23.11	0.053	0.0545	0.015571
23.93	0.065	0.065	0.018571
24.75	0.077	0.078	0.022286
25.56	0.092	0.087	0.024857





**Sampel Batu Bata Kubus 8 Gondanglegi**

No Benda Uji : 8

Ukuran Bata :

p = 3,5 cm

l = 3,5 cm

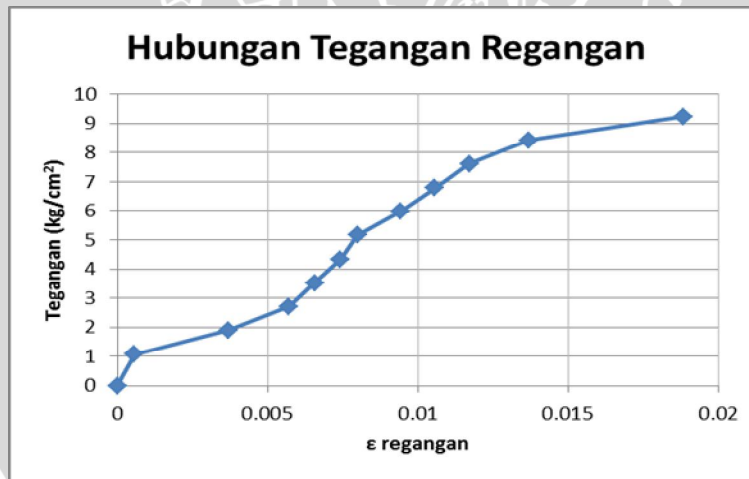
h = 3,5 cm

Tanggal = 21 April 2014

Berat Plat = 1,30 kg

Berat Ring = 1,85 kg

Kuat Tekan	$\Delta H$	$\Delta v$	E Aksial	$\Delta H/\Delta V$
0	0	0	0	0
1.07	0.00	0.00	0.00	0.00
1.89	0.00	0.01	0.00	0.08
2.71	0.00	0.02	0.01	0.10
3.52	0.00	0.02	0.01	0.17
4.34	0.01	0.03	0.01	0.19
5.16	0.00	0.03	0.01	0.14
5.97	0.01	0.03	0.01	0.30
6.79	0.02	0.04	0.01	0.46
7.60	0.02	0.04	0.01	0.54
8.42	0.03	0.05	0.01	0.63
9.24	0.05	0.07	0.02	0.71



**Sampel Batu Bata Kubus 9 Gondanglegi**

No Benda Uji : 9

Ukuran Bata :

p = 3,5 cm

l = 3,5 cm

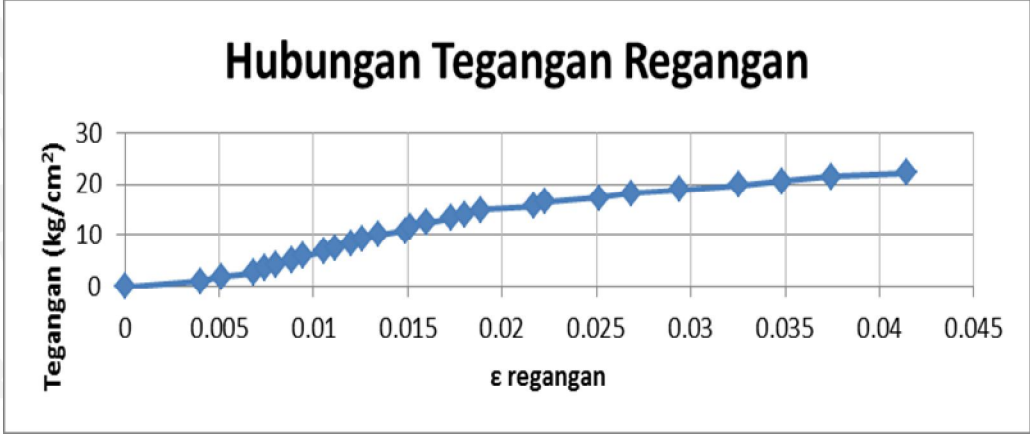
h = 3,5 cm

Tanggal = 21 April 2014

Berat Plat = 1,30 kg

Berat Ring = 1,85 kg

Kuat Tekan	$\Delta H$	$\Delta v$	E Aksial	$\Delta H/\Delta V$
0	0	0	0	0
1.07	0.0010	0.0140	0.0040	0.07
1.89	0.0015	0.0180	0.0051	0.08
2.71	0.0020	0.0240	0.0069	0.08
3.52	0.0020	0.0260	0.0074	0.08
4.34	0.0020	0.0280	0.0080	0.07
5.16	0.0030	0.0310	0.0089	0.10
5.97	0.0030	0.0330	0.0094	0.09
6.79	0.0030	0.0370	0.0106	0.08
7.60	0.0040	0.0390	0.0111	0.10
8.42	0.0040	0.0420	0.0120	0.10
9.24	0.0040	0.0440	0.0126	0.09
10.05	0.0050	0.0470	0.0134	0.11
10.87	0.0040	0.0520	0.0149	0.08
11.69	0.0050	0.0530	0.0151	0.09
12.50	0.0060	0.0560	0.0160	0.11
13.32	0.0080	0.0605	0.0173	0.13
14.13	0.0100	0.0630	0.0180	0.16
14.95	0.0130	0.0660	0.0189	0.20
15.77	0.0140	0.0760	0.0217	0.18
16.58	0.0190	0.0780	0.0223	0.24
17.40	0.0240	0.0880	0.0251	0.27
18.22	0.0300	0.0940	0.0269	0.32
19.03	0.0340	0.1030	0.0294	0.33
19.85	0.0430	0.1140	0.0326	0.38
20.67	0.0520	0.1220	0.0349	0.43
21.48	0.0580	0.1310	0.0374	0.44
22.30	0.0780	0.1450	0.0414	0.54



**Sampel Batu Bata Kubus 10 Gondanglegi**

No Benda Uji : 10

Ukuran Bata :

p = 3,5 cm

l = 3,5 cm

h = 3,5 cm

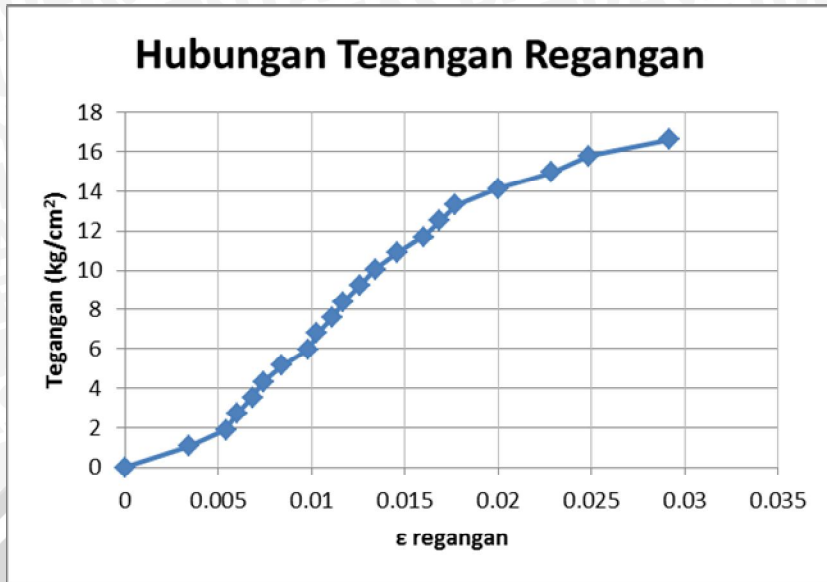
Tanggal = 21 April 2014

Berat Plat = 1,30 kg

Berat Ring = 1,85 kg

Kuat Tekan	$\Delta H$	$\Delta v$	E Aksial
0	0	0	0
1.07	0.00	0.01	0.00
1.89	0.00	0.02	0.01
2.71	0.00	0.02	0.01
3.52	0.00	0.02	0.01
4.34	0.00	0.03	0.01
5.16	0.00	0.03	0.01
5.97	0.00	0.03	0.01
6.79	0.00	0.04	0.01
7.60	0.00	0.04	0.01
8.42	0.00	0.04	0.01
9.24	0.01	0.04	0.01
10.05	0.01	0.05	0.01
10.87	0.01	0.05	0.01
11.69	0.01	0.06	0.02
12.50	0.01	0.06	0.02
13.32	0.02	0.06	0.02
14.13	0.02	0.07	0.02
14.95	0.03	0.08	0.02
15.77	0.04	0.09	0.02
16.58	0.05	0.10	0.03





**Sampel Batu Bata Kubus 1 Tegalweru**

No Benda Uji : 1

Ukuran Bata :

p = 3,7 cm

l = 3,7 cm

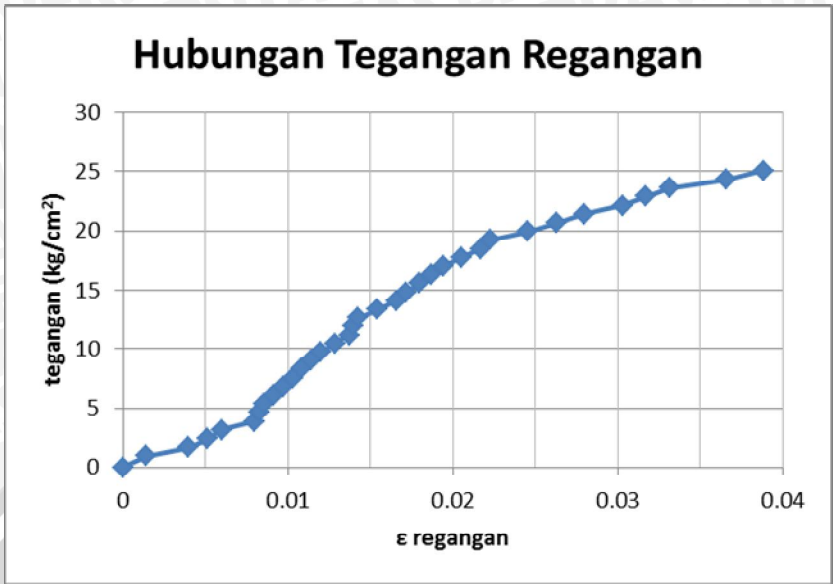
h = 3,7 cm

Tanggal = 23 April 2014

Berat Plat = 1,15 kg

Berat Ring = 1,85 kg

	$\Delta H$	$\Delta v$	E Aksial
0	0	0	0
0.95	0.01	0.01	0.001
1.68	0.01	0.01	0.004
2.41	0.02	0.02	0.005
3.14	0.02	0.02	0.006
3.87	0.03	0.03	0.008
4.60	0.04	0.03	0.008
5.33	0.05	0.03	0.009
6.06	0.05	0.03	0.009
6.79	0.05	0.03	0.010
7.52	0.05	0.04	0.010
8.25	0.05	0.04	0.011
8.98	0.06	0.04	0.011
9.71	0.06	0.04	0.012
10.45	0.06	0.05	0.013
11.18	0.06	0.05	0.014
11.91	0.06	0.05	0.014
12.64	0.07	0.05	0.014
13.37	0.07	0.05	0.015
14.10	0.07	0.06	0.017
14.83	0.07	0.06	0.017
15.56	0.07	0.06	0.018
16.29	0.07	0.07	0.019
17.02	0.07	0.07	0.019
17.75	0.08	0.07	0.021
18.48	0.08	0.08	0.022
19.21	0.08	0.08	0.022
19.94	0.09	0.09	0.025
20.67	0.09	0.09	0.026
21.40	0.10	0.10	0.028
22.13	0.10	0.11	0.030
22.86	0.11	0.11	0.032
23.59	0.11	0.12	0.033
24.32	0.11	0.13	0.037
25.05	0.12	0.14	0.039





**Sampel Batu Bata Kubus 2 Tegalweru**

No Benda Uji : 2

Ukuran Bata :

p = 3,7 cm

l = 3,7 cm

h = 3,7 cm

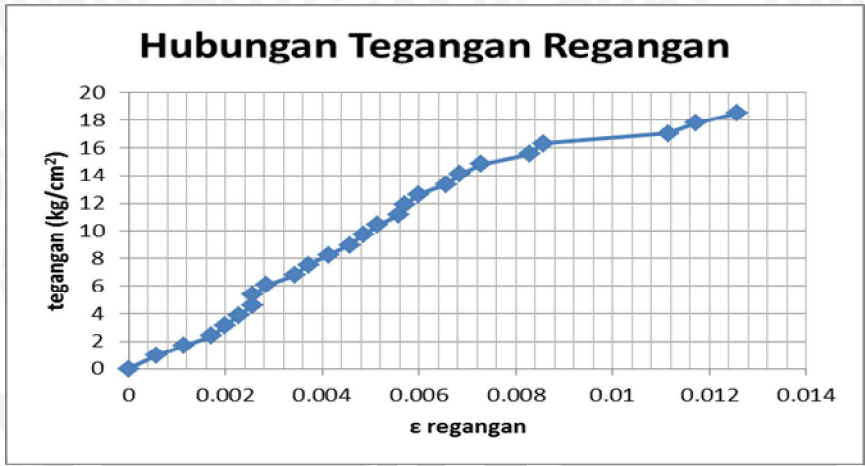
Tanggal = 23 April 2014

Berat Plat = 1,15 kg

Berat Ring = 1,85 kg

Kuat Tekan	$\Delta H$	$\Delta v$	E Aksial
0	0	0	0
0.95	0.0030	0.0020	0.0006
1.68	0.0060	0.0040	0.0011
2.41	0.0070	0.0060	0.0017
3.14	0.0080	0.0070	0.0020
3.87	0.0080	0.0080	0.0023
4.60	0.0080	0.0090	0.0026
5.33	0.0090	0.0090	0.0026
6.06	0.0100	0.0100	0.0029
6.79	0.0115	0.0120	0.0034
7.52	0.0130	0.0130	0.0037
8.25	0.0160	0.0145	0.0041
8.98	0.0170	0.0160	0.0046
9.71	0.0190	0.0170	0.0049
10.45	0.0210	0.0180	0.0051
11.18	0.0220	0.0195	0.0056
11.91	0.0240	0.0200	0.0057
12.64	0.0260	0.0210	0.0060
13.37	0.0270	0.0230	0.0066
14.10	0.0280	0.0240	0.0069
14.83	0.0300	0.0255	0.0073
15.56	0.0310	0.0290	0.0083
16.29	0.0320	0.0300	0.0086
17.02	0.0330	0.0390	0.0111
17.75	0.0340	0.0410	0.0117
18.48	0.0460	0.0440	0.0126





**Sampel Batu Bata Kubus 3 Tegalweru**

No Benda Uji : 3

Ukuran Bata :

p = 3,7 cm

l = 3,7 cm

h = 3,7 cm

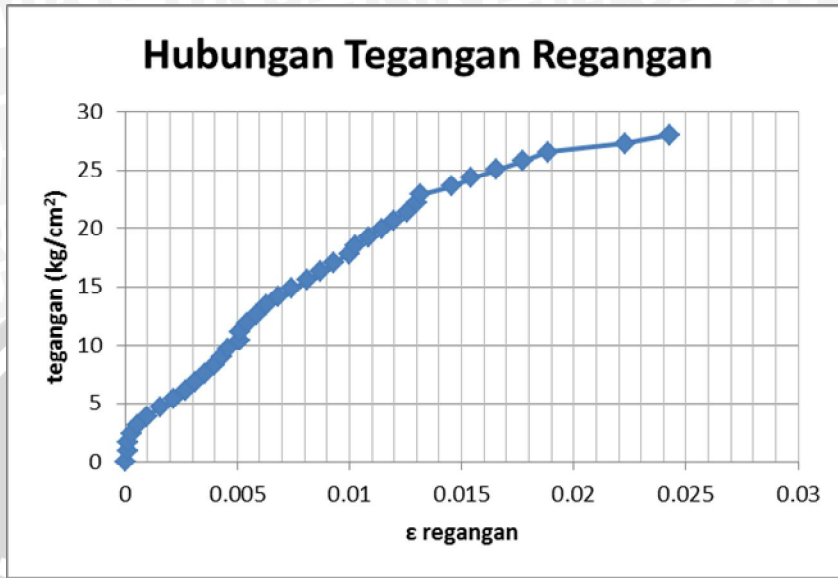
Tanggal = 23 April 2014

Berat Plat = 1,15 kg

Berat Ring = 1,85 kg

Kuat Tekan	$\Delta H$	$\Delta v$	E Aksial	$\Delta H/\Delta V$
0	0	0	0	0
0.95	0.00300	0.00050	0.00014	6.00000
1.68	0.00400	0.00050	0.00014	8.00000
2.41	0.00500	0.00100	0.00029	5.00000
3.14	0.00600	0.00200	0.00057	3.00000
3.87	0.00900	0.00350	0.00100	2.57143
4.60	0.00900	0.00550	0.00157	1.63636
5.33	0.01050	0.00750	0.00214	1.40000
6.06	0.01050	0.00950	0.00271	1.10526
6.79	0.01150	0.01100	0.00314	1.04545
7.52	0.01250	0.01250	0.00357	1.00000
8.25	0.01350	0.01400	0.00400	0.96429
8.98	0.01350	0.01500	0.00429	0.90000
9.71	0.01350	0.01600	0.00457	0.84375
10.45	0.01400	0.01800	0.00514	0.77778
11.18	0.01500	0.01800	0.00514	0.83333
11.91	0.01500	0.01900	0.00543	0.78947
12.64	0.01500	0.02050	0.00586	0.73171
13.37	0.01550	0.02200	0.00629	0.70455
14.10	0.01650	0.02400	0.00686	0.68750
14.83	0.01750	0.02600	0.00743	0.67308
15.56	0.01850	0.02850	0.00814	0.64912
16.29	0.02050	0.03050	0.00871	0.67213
17.02	0.02050	0.03250	0.00929	0.63077
17.75	0.02250	0.03500	0.01000	0.64286
18.48	0.02300	0.03600	0.01029	0.63889
19.21	0.02400	0.03800	0.01086	0.63158
19.94	0.02500	0.04000	0.01143	0.62500
20.67	0.02650	0.04200	0.01200	0.63095
21.40	0.02700	0.04400	0.01257	0.61364
22.13	0.02800	0.04550	0.01300	0.61538
22.86	0.03000	0.04600	0.01314	0.65217
23.59	0.03100	0.05100	0.01457	0.60784
24.32	0.03200	0.05400	0.01543	0.59259
25.05	0.03400	0.05800	0.01657	0.58621
25.79	0.03600	0.06200	0.01771	0.58065

26.52	0.03600	0.06600	0.01886	0.54545
27.25	0.03700	0.07800	0.02229	0.47436
27.98	0.04200	0.08500	0.02429	0.49412



**Sampel Batu Bata Kubus 4 Tegalweru**

No Benda Uji : 4

Ukuran Bata :

p = 3,5 cm

l = 3,5 cm

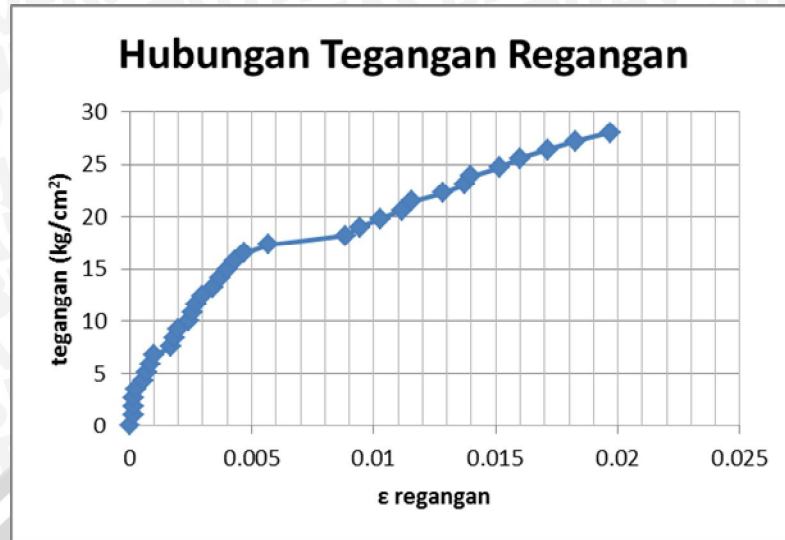
h = 3,5 cm

Tanggal = 23 April 2014

Berat Plat = 1,15 kg

Berat Ring = 1,85 kg

Kuat Tekan	$\Delta H$	$\Delta v$	E Aksial
0	0	0	0
1.06	0.00150	0.00050	0.00014
1.88	0.00200	0.00050	0.00014
2.69	0.00400	0.00050	0.00014
3.51	0.00500	0.00100	0.00029
4.33	0.00500	0.00200	0.00057
5.14	0.00600	0.00250	0.00071
5.96	0.00500	0.00300	0.00086
6.78	0.00700	0.00350	0.00100
7.59	0.00700	0.00600	0.00171
8.41	0.00700	0.00650	0.00186
9.22	0.00700	0.00700	0.00200
10.04	0.00800	0.00850	0.00243
10.86	0.00800	0.00900	0.00257
11.67	0.00900	0.00950	0.00271
12.49	0.00900	0.01050	0.00300
13.31	0.00900	0.01200	0.00343
14.12	0.00900	0.01300	0.00371
14.94	0.01000	0.01400	0.00400
15.75	0.01000	0.01500	0.00429
16.57	0.01000	0.01650	0.00471
17.39	0.01000	0.02000	0.00571
18.20	0.00650	0.03100	0.00886
19.02	0.00800	0.03300	0.00943
19.84	0.00900	0.03600	0.01029
20.65	0.00900	0.03900	0.01114
21.47	0.01100	0.04050	0.01157
22.29	0.01200	0.04500	0.01286
23.10	0.01200	0.04800	0.01371
23.92	0.01300	0.04900	0.01400
24.73	0.01400	0.05300	0.01514
25.55	0.01600	0.05600	0.01600
26.37	0.01700	0.06000	0.01714
27.18	0.02400	0.06400	0.01829
28.00	0.03200	0.06900	0.01971



**Sampel Batu Bata Kubus 5 Tegalweru**

No Benda Uji : 5

Ukuran Bata :

p = 3,7 cm

l = 3,7 cm

h = 3,7 cm

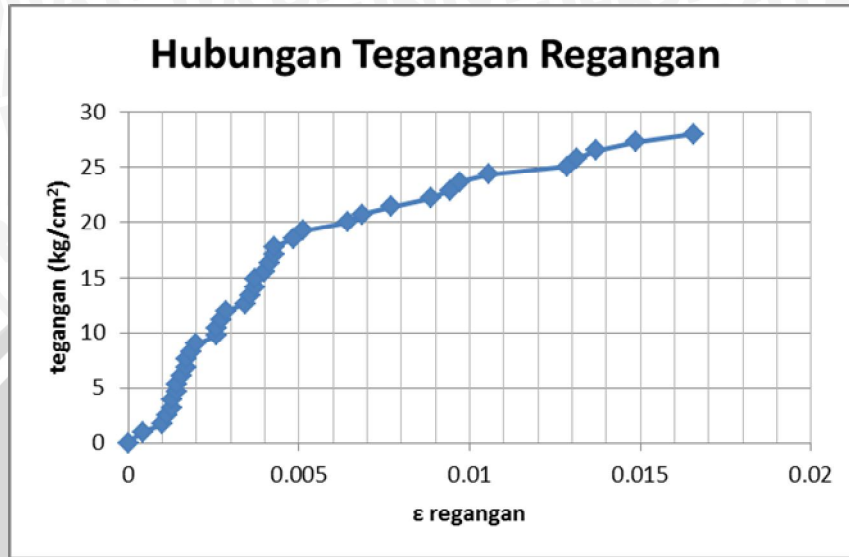
Tanggal = 23 April 2014

Berat Plat = 1,15 kg

Berat Ring = 1,85 kg

Kuat Tekan	$\Delta H$	$\Delta v$	E Aksial
0	0	0	0
0.949466764	0.00000	0.00150	0.00043
1.679926954	0.00000	0.00350	0.00100
2.410387144	0.00000	0.00400	0.00114
3.140847334	0.00050	0.00450	0.00129
3.871307524	0.00150	0.00450	0.00129
4.601767714	0.00300	0.00500	0.00143
5.332227904	0.00400	0.00500	0.00143
6.062688093	0.00500	0.00550	0.00157
6.793148283	0.00500	0.00600	0.00171
7.523608473	0.00500	0.00600	0.00171
8.254068663	0.00600	0.00650	0.00186
8.984528853	0.00500	0.00700	0.00200
9.714989043	0.00800	0.00900	0.00257
10.44544923	0.00800	0.00900	0.00257
11.17590942	0.00900	0.00950	0.00271
11.90636961	0.01000	0.01000	0.00286
12.6368298	0.01000	0.01200	0.00343
13.36728999	0.01000	0.01250	0.00357
14.09775018	0.01100	0.01300	0.00371
14.82821037	0.01200	0.01300	0.00371
15.55867056	0.01300	0.01400	0.00400
16.28913075	0.01300	0.01450	0.00414
17.01959094	0.01300	0.01500	0.00429
17.75005113	0.01600	0.01500	0.00429
18.48051132	0.01850	0.01700	0.00486
19.21097151	0.01750	0.01800	0.00514
19.9414317	0.01850	0.02250	0.00643
20.67189189	0.01900	0.02400	0.00686
21.40235208	0.02100	0.02700	0.00771
22.13281227	0.02000	0.03100	0.00886
22.86327246	0.01850	0.03300	0.00943
23.59373265	0.01800	0.03400	0.00971
24.32419284	0.01950	0.03700	0.01057
25.05465303	0.02100	0.04500	0.01286
25.78511322	0.02200	0.04600	0.01314

26.51557341	0.02100	0.04800	0.01371
27.2460336	0.01800	0.05200	0.01486
27.97649379	0.01700	0.05800	0.01657





**Sampel Batu Bata Kubus 6 Tegalweru**

No Benda Uji : 6

Ukuran Bata :

p = 3,7 cm

l = 3,7 cm

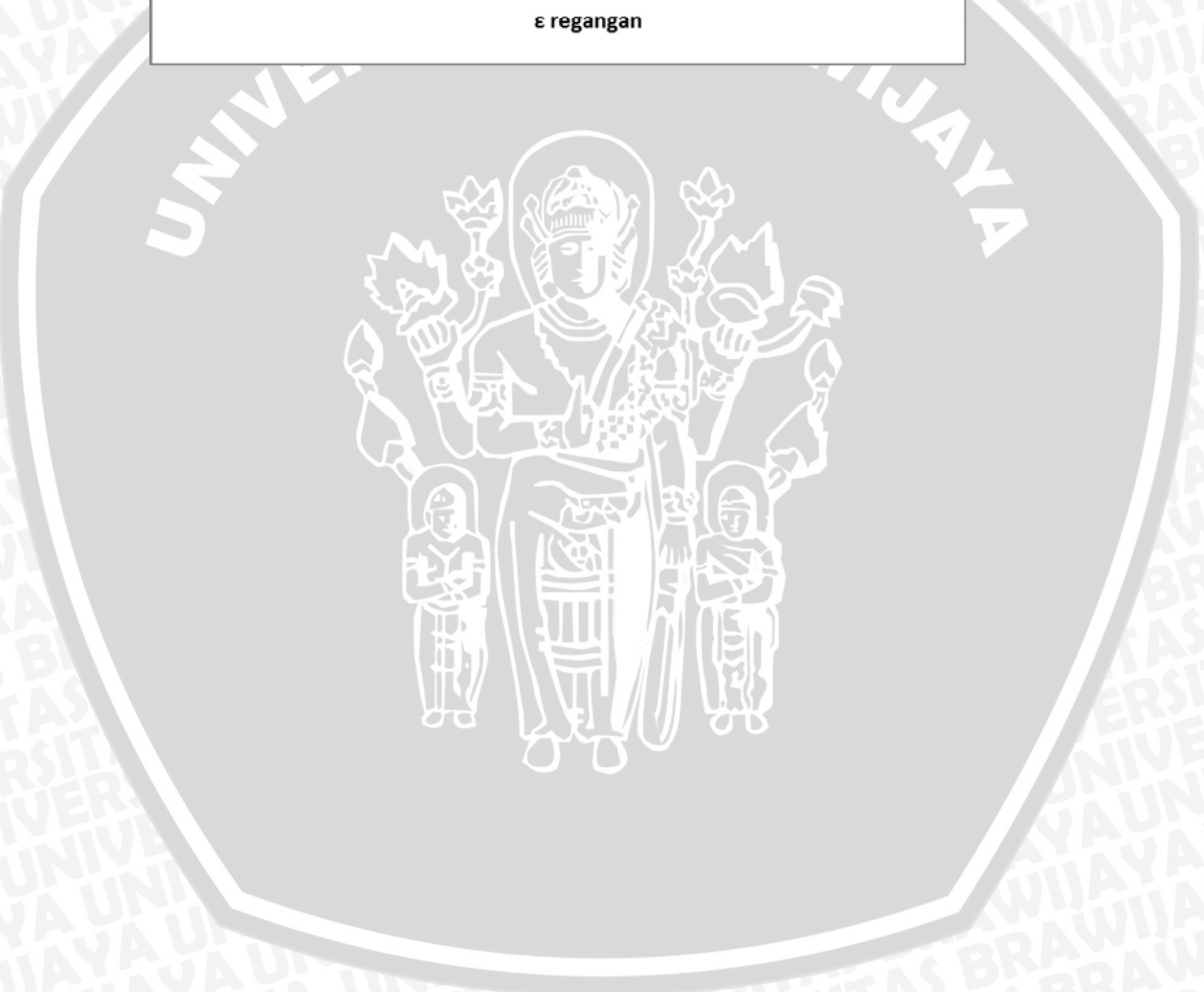
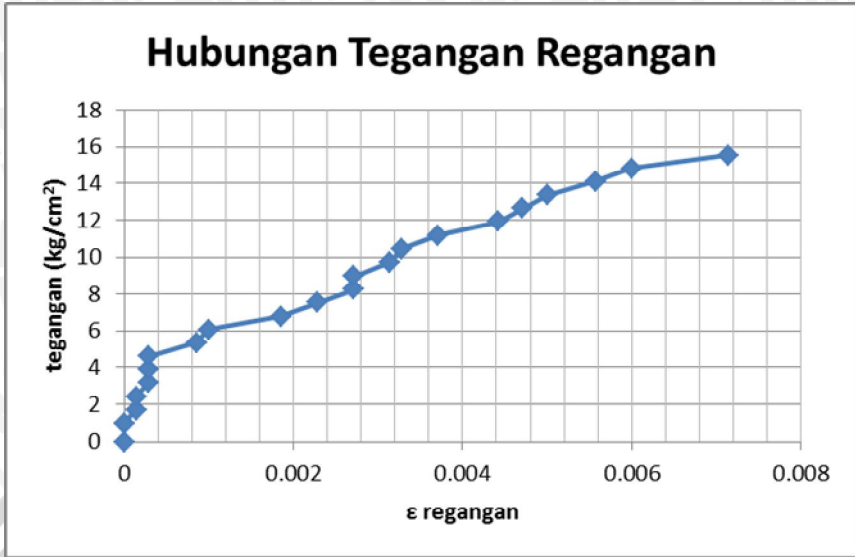
h = 3,7 cm

Tanggal = 23 April 2014

Berat Plat = 1,15 kg

Berat Ring = 1,85 kg

Kuat Tekan	$\Delta H$	$\Delta v$	E Aksial
0	0	0	0
0.949466764	0.00000	0.00000	0.00000
1.679926954	0.00000	0.00050	0.00014
2.410387144	0.00100	0.00050	0.00014
3.140847334	0.00500	0.00100	0.00029
3.871307524	0.00500	0.00100	0.00029
4.601767714	0.00900	0.00100	0.00029
5.332227904	0.01300	0.00300	0.00086
6.062688093	0.01500	0.00350	0.00100
6.793148283	0.01800	0.00650	0.00186
7.523608473	0.02200	0.00800	0.00229
8.254068663	0.02400	0.00950	0.00271
8.984528853	0.02600	0.00950	0.00271
9.714989043	0.02900	0.01100	0.00314
10.44544923	0.03000	0.01150	0.00329
11.17590942	0.03300	0.01300	0.00371
11.90636961	0.03450	0.01550	0.00443
12.6368298	0.03700	0.01650	0.00471
13.36728999	0.03900	0.01750	0.00500
14.09775018	0.04000	0.01950	0.00557
14.82821037	0.04300	0.02100	0.00600
15.55867056	0.04700	0.02500	0.00714



**Sampel Batu Bata Kubus 7 Tegalweru**

No Benda Uji : 7

Ukuran Bata :

p = 3,5 cm

l = 3,5 cm

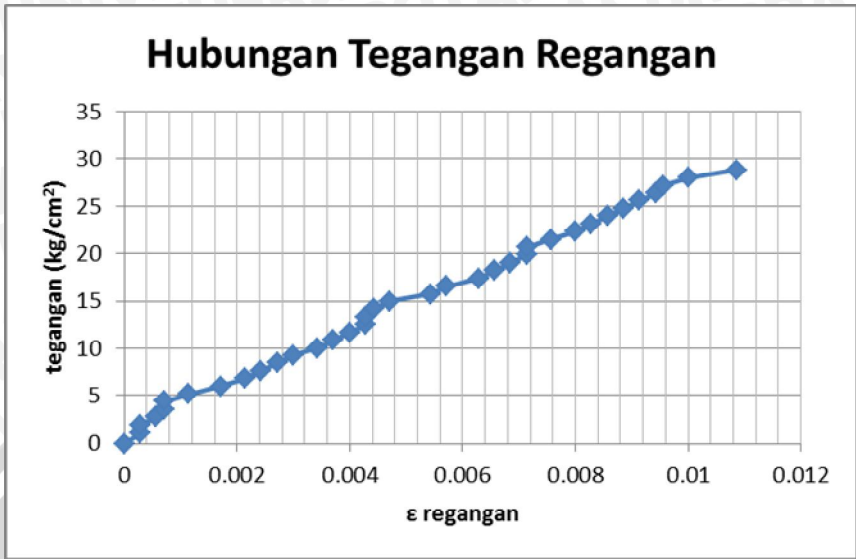
h = 3,5 cm

Tanggal = 23 April 2014

Berat Plat = 1,15 kg

Berat Ring = 1,85 kg

Kuat Tekan	$\Delta H$	$\Delta v$	E Aksial
0	0	0	0
1.061077551	0.00000	0.00100	0.00029
1.877404082	0.00050	0.00100	0.00029
2.693730612	0.00100	0.00200	0.00057
3.510057143	0.00100	0.00250	0.00071
4.326383673	0.00000	0.00250	0.00071
5.142710204	0.00100	0.00400	0.00114
5.959036735	0.00000	0.00600	0.00171
6.775363265	0.00200	0.00750	0.00214
7.591689796	0.00400	0.00850	0.00243
8.408016327	0.00600	0.00950	0.00271
9.224342857	0.00900	0.01050	0.00300
10.04066939	0.01200	0.01200	0.00343
10.85699592	0.01200	0.01300	0.00371
11.67332245	0.01500	0.01400	0.00400
12.48964898	0.01700	0.01500	0.00429
13.30597551	0.01700	0.01500	0.00429
14.12230204	0.01800	0.01550	0.00443
14.93862857	0.01900	0.01650	0.00471
15.7549551	0.02300	0.01900	0.00543
16.57128163	0.02500	0.02000	0.00571
17.38760816	0.02700	0.02200	0.00629
18.20393469	0.02800	0.02300	0.00657
19.02026122	0.02900	0.02400	0.00686
19.83658776	0.03100	0.02500	0.00714
20.65291429	0.03500	0.02500	0.00714
21.46924082	0.03600	0.02650	0.00757
22.28556735	0.03800	0.02800	0.00800
23.10189388	0.03900	0.02900	0.00829
23.91822041	0.04100	0.03000	0.00857
24.73454694	0.04300	0.03100	0.00886
25.55087347	0.04600	0.03200	0.00914
26.3672	0.04700	0.03300	0.00943
27.18352653	0.04800	0.03350	0.00957
27.99985306	0.05200	0.03500	0.01000
28.81617959	0.05800	0.03800	0.01086



**Sampel Batu Bata Kubus 8 Tegalweru**

No Benda Uji : 8

Ukuran Bata :

p = 3,7 cm

l = 3,7 cm

h = 3,7 cm

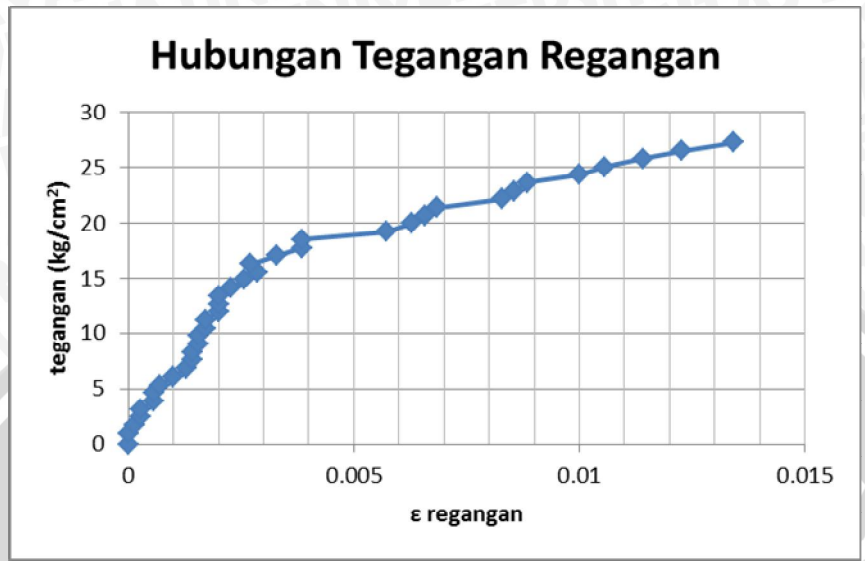
Tanggal = 23 April 2014

Berat Plat = 1,15 kg

Berat Ring = 1,85 kg

Kuat Tekan	$\Delta H$	$\Delta v$	E Aksial
0	0	0	0
0.949466764	0.00000	0.00000	0.00000
1.679926954	0.00200	0.00050	0.00014
2.410387144	0.00400	0.00100	0.00029
3.140847334	0.00450	0.00100	0.00029
3.871307524	0.00500	0.00200	0.00057
4.601767714	0.00300	0.00200	0.00057
5.332227904	0.00300	0.00250	0.00071
6.062688093	0.00300	0.00350	0.00100
6.793148283	0.00000	0.00450	0.00129
7.523608473	0.00000	0.00500	0.00143
8.254068663	0.00000	0.00500	0.00143
8.984528853	0.00000	0.00550	0.00157
9.714989043	0.00100	0.00550	0.00157
10.44544923	0.00200	0.00600	0.00171
11.17590942	0.00300	0.00600	0.00171
11.90636961	0.00300	0.00700	0.00200
12.6368298	0.00500	0.00700	0.00200
13.36728999	0.00600	0.00700	0.00200
14.09775018	0.00600	0.00800	0.00229
14.82821037	0.00700	0.00900	0.00257
15.55867056	0.00900	0.01000	0.00286
16.28913075	0.01000	0.00950	0.00271
17.01959094	0.01300	0.01150	0.00329
17.75005113	0.01500	0.01350	0.00386
18.48051132	0.01700	0.01350	0.00386
19.21097151	0.02500	0.02000	0.00571
19.9414317	0.03000	0.02200	0.00629
20.67189189	0.03700	0.02300	0.00657
21.40235208	0.04400	0.02400	0.00686
22.13281227	0.05500	0.02900	0.00829
22.86327246	0.05900	0.03000	0.00857
23.59373265	0.06400	0.03100	0.00886
24.32419284	0.07000	0.03500	0.01000
25.05465303	0.07300	0.03700	0.01057
25.78511322	0.08300	0.04000	0.01143

26.51557341	0.09000	0.04300	0.01229
27.2460336	0.09900	0.04700	0.01343



**Sampel Batu Bata Kubus 9 Tegalweru**

No Benda Uji : 9

Ukuran Bata :

p = 3,7 cm

l = 3,7 cm

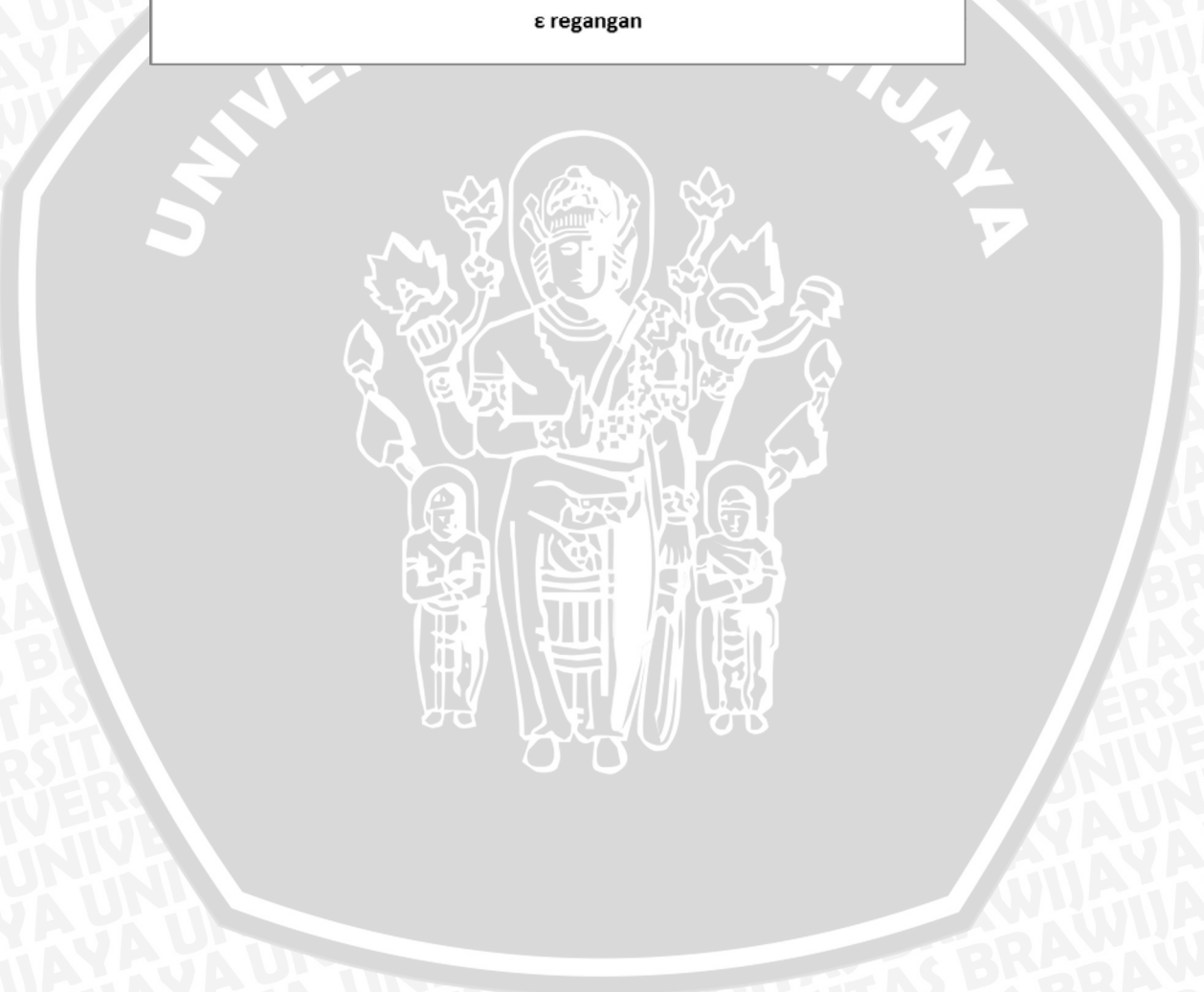
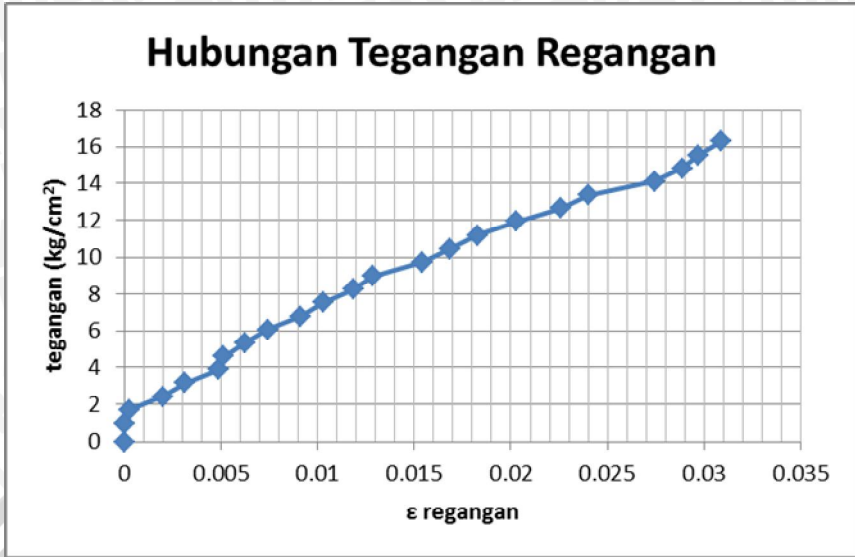
h = 3,7 cm

Tanggal = 23 April 2014

Berat Plat = 1,15 kg

Berat Ring = 1,85 kg

Kuat Tekan	$\Delta H$	$\Delta v$	E Aksial
0	0	0	0
0.949466764	0	0	0
1.679926954	0.001	0.001	0.000285714
2.410387144	0.002	0.007	0.002
3.140847334	0.003	0.011	0.003142857
3.871307524	0.0035	0.017	0.004857143
4.601767714	0.0045	0.018	0.005142857
5.332227904	0.005	0.022	0.006285714
6.062688093	0.006	0.026	0.007428571
6.793148283	0.007	0.032	0.009142857
7.523608473	0.009	0.036	0.010285714
8.254068663	0.01	0.0415	0.011857143
8.984528853	0.013	0.045	0.012857143
9.714989043	0.016	0.054	0.015428571
10.44544923	0.02	0.059	0.016857143
11.17590942	0.027	0.064	0.018285714
11.90636961	0.035	0.071	0.020285714
12.6368298	0.043	0.079	0.022571429
13.36728999	0.051	0.084	0.024
14.09775018	0.063	0.096	0.027428571
14.82821037	0.073	0.101	0.028857143
15.55867056	0.09	0.104	0.029714286
16.28913075	0.104	0.108	0.030857143





**Sampel Batu Bata Kubus 10 Tegalweru**

No Benda Uji : 10

Ukuran Bata :

p = 3,7 cm

l = 3,7 cm

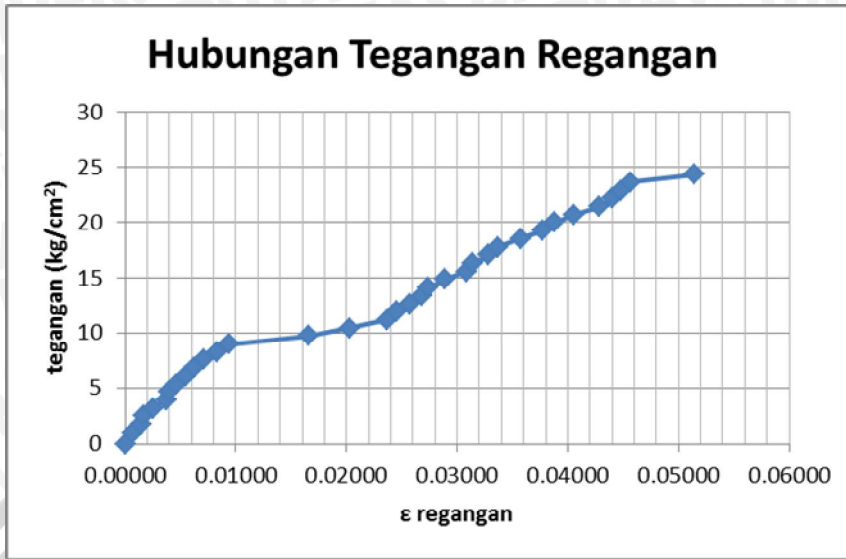
h = 3,7 cm

Tanggal = 23 April 2014

Berat Plat = 1,15 kg

Berat Ring = 1,85 kg

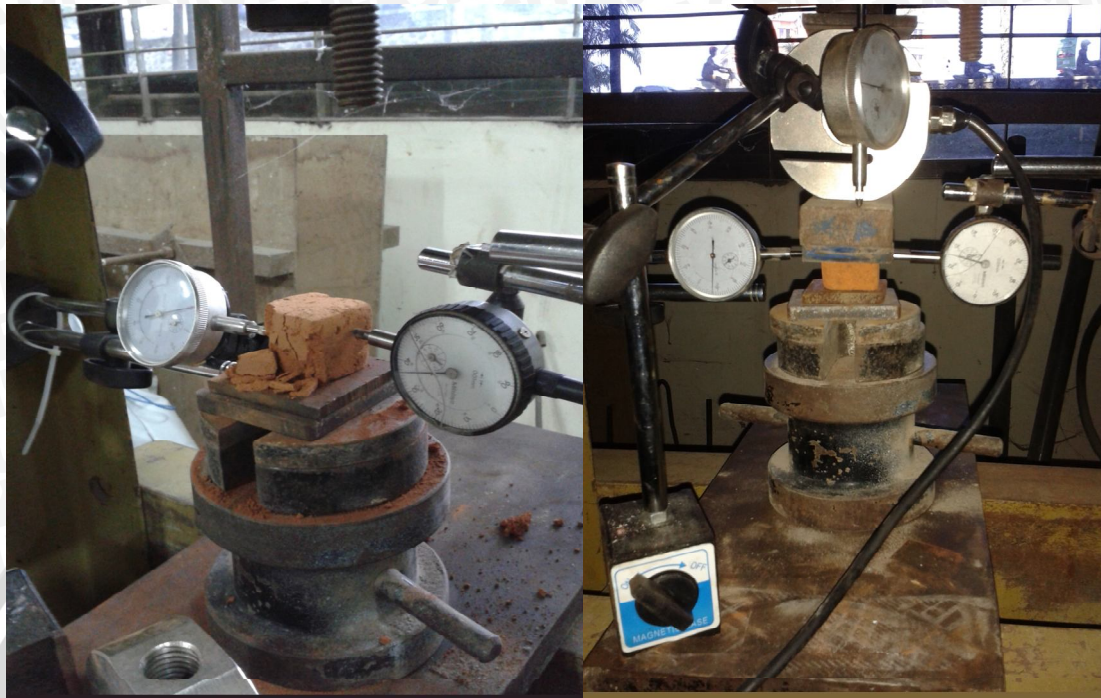
Kuat Tekan	$\Delta H$	$\Delta v$	E Aksial
0	0.00000	0.00000	0.00000
0.949466764	0.00600	0.00250	0.00071
1.679926954	0.00800	0.00500	0.00143
2.410387144	0.01300	0.00600	0.00171
3.140847334	0.01900	0.00900	0.00257
3.871307524	0.02000	0.01300	0.00371
4.601767714	0.02000	0.01400	0.00400
5.332227904	0.02000	0.01600	0.00457
6.062688093	0.01900	0.01900	0.00543
6.793148283	0.01800	0.02200	0.00629
7.523608473	0.00900	0.02500	0.00714
8.254068663	0.00300	0.02900	0.00829
8.984528853	-0.00400	0.03300	0.00943
9.714989043	-0.00600	0.05800	0.01657
10.44544923	-0.00400	0.07100	0.02029
11.17590942	-0.00200	0.08300	0.02371
11.90636961	-0.00100	0.08600	0.02457
12.6368298	0.00100	0.09000	0.02571
13.36728999	0.00400	0.09400	0.02686
14.09775018	0.00600	0.09600	0.02743
14.82821037	0.01000	0.10100	0.02886
15.55867056	0.01300	0.10800	0.03086
16.28913075	0.01400	0.11000	0.03143
17.01959094	0.01700	0.11500	0.03286
17.75005113	0.01800	0.11800	0.03371
18.48051132	0.02200	0.12500	0.03571
19.21097151	0.02600	0.13200	0.03771
19.9414317	0.03100	0.13600	0.03886
20.67189189	0.04000	0.14200	0.04057
21.40235208	0.04300	0.15000	0.04286
22.13281227	0.04400	0.15400	0.04400
22.86327246	0.05200	0.15700	0.04486
23.59373265	0.05300	0.16000	0.04571
24.32419284	0.05500	0.18000	0.05143



Lampiran 4. Dokumentasi Penelitian  
Pengujian Kuat Tekan Metode ASTM C67-07



### Pengujian Kuat Tekan Metode Kubus



### Analisis Saringan dan Hidrometer

