BAB VI

KESIMPULAN DAN SARAN

6.1. Kesimpulan

Setelah dilakukan penelitian mengenai pengaruh penambahan kapur padam terhadap kuat tekan dan modulus elastisitas beton *geopolymer* maka dapat disimpulkan bahwa:

1. Dari pengujian *slump,* diperoleh nilai *slump* 11 hingga 21 cm. Kadar kapur padam yang tinggi menyebabkan penggunaan air yang banyak sehingga dapat terjadi nilai *slump* yang besar. Berat jenis beton variasi A, B, C, D, F, G, H, dan I kurang dari 2200 kg/m^3 sehingga tidak memenuhi syarat berat jenis beton normal, yaitu 2200 – 2500 kg/m^3 (SK SNI 03-2847-2002). Sedangkan berat jenis variasi E dan J lebih dari 2200 kg/m^3 sehingga memenuhi syarat berat jenis beton normal.
2. Dari pengujian kuat tekan, nampak bahwa kuat tekan beton variasi dengan kadar kapur padam rendah lebih tinggi dari pada kuat tekan beton variasi dengan kadar kapur padam yang lebih tinggi. Penggunaan kadar kapur yang tinggi akan meningkatkan jumlah air sehingga dapat mengurangi kuat tekannya.
3. Variasi A, B, F, G, H, I, dan J mengalami peningkatan kuat tekan pada umur 7, 14, 28, dan 56 hari. Sedangkan variasi E, D, C mengalami penurunan kuat tekan pada umur 56 hari.

4. Dari pengujian kuat tekan, diperoleh kuat tekan beton variasi J (75%*fly ash*: 25%kapur) sebesar 20,63 Mpa pada umur 28 hari dan 21,38 Mpa. Pada umur 56 hari. Sehingga beton dapat gunakan sebagai beton struktur (SNI 03-2847-2002).
5. Dari pengujian modulus elastisitas, beton variasi J (75% *fly ash*: 25%kapur), mempunyai nilai modulus elastisitas sebesar 14676,53299 Mpa pada umur 28 hari dan 18535,78830 Mpa pada umur 56 hari.
6. Kuat tekan dan modulus elastisitas beton *geopolymer* dipengaruhi oleh penambahan kapur padam. Dari hasil pengujian kuat tekan dan modulus elastisitas, diperoleh hasil bahwa beton *geopolymer* dengan komposisi binder (*fly ash*:kapur padam) 25% : 75% mempuyai kuat tekan dan nilai modulus elastisitas yang rendah dibandingkan beton dengan komposisi binder 75%:25%.

6.2. Saran

Dari hasil penelitian yang telah dilaksanakan dan kesulitan-kesulitan yang dihadapi, dapat diberikan saran yang diharapkan dapat bermanfaat, antara lain sebagai berikut :

1. Sebelum proses pengadukan, kapur padam sebaiknya disaring terlebih dahulu. Pada saat pengadukan, binder dan agregat harus benar-benar tercampur rata sehingga dapat mengurangi terjadinya penggumpalan dan membuat adukan lebih homogen.

2. Perlu dilakukan penelitian lebih lanjut dengan kadar larutan alkali yang lebih bervariasi dan menggunakan bahan kimia murni serta komposisi agregat kasar dengan agregat halus yang lebih bervariasi.
3. Dalam penelitian ini *curing* beton hanya dengan cara merendam dalam air, perlu diteliti lebih lanjut bagaimana pengaruh *curing* dengan cara di oven pada suhu tertentu terhadap sifat fisik dan mekanis beton *geopolymer* dengan binder *fly ash* kelas C dan kapur padam.
4. Perlu dilakukan pengujian sifat mekanik beton lainnya selain kuat tekan dan modulus elastisitas.

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LAMPIRAN

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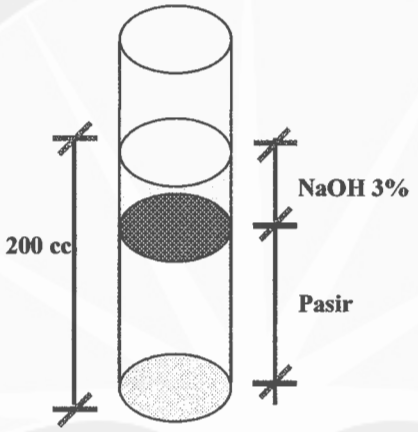
PEMERIKSAAN KANDUNGAN ZAT ORGANIK DALAM PASIR SEBELUM DICUCI

1. Bahan : a. Pasir kering tungku, asal : Merapi Volume 130 cc
   b. Larutan NaOH 3 %
2. Alat : Gelas ukur, ukuran : 250 cc
3. Sketsa



4. Hasil didiamkan selama 24 jam, warna larutan diatas pasir sesuai dengan warna Gardner Standard Calor no. 5 / 8 / (11) / 14 / 16

Kesimpulan : Pasir perlu dicuci dahulu untuk memenuhi warna Gardner Standard Calor

Yogyakarta, 24 November 2007
Mengetahui,

Pemeriksa :
1. Dolok H Panjaitan
2. Peggie G H
3. Yoseph P
4. Meta

(Ir. Haryanto Yoso Wigroho, MT.)
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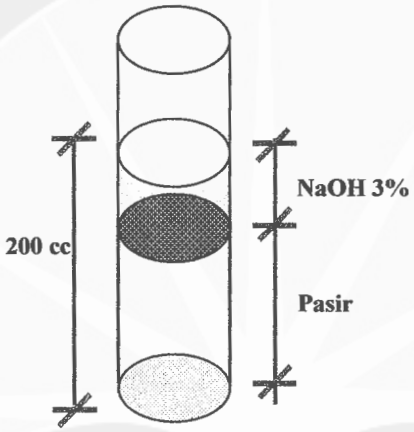
PEMERIKSAAN KANDUNGAN ZAT ORGANIK DALAM PASIR SETELAH DICUCI

1. Bahan : a. Pasir kering tungku, asal : Merapi Volume 130 cc
   b. Larutan NaOH 3 %
2. Alat : Gelas ukur, ukuran : 250 cc
3. Sketsa



5. Hasil didiamkan selama 24 jam, warna larutan diatas pasir sesuai dengan warna Gardner Standard Calor no. (5) / 8 / 11 / 14 / 16

Kesimpulan : Setelah pasir dicuci ternyata memenuhi warna Gardner Standard Calor

Yogyakarta, 24 November 2007
Mengetahui,

Pemeriksa :
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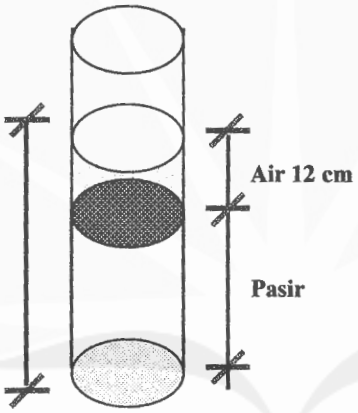
PEMERIKSAAN KANDUNGAN LUMPUR DALAM PASIR

1. Bahan : a. Pasir kering tungku asal : Merapi Berat : (100) gram
   b. Air jernih asal : LSBB Prodi TS FT-UAJY
2. Alat : a. Gelas ukur, ukuran : 250 cc
   b. Timbangan
   c. Tungku (oven), suhu dibuat antara 105°C – 110°C
   d. Air tetap jernih setelah 30 Kali pengocokan
   e. Pasir + piring masuk tungku tanggal : 3/5/2007 Jam :14.45
3. Sketsa



4. Hasil

Setelah pasir keluar tungku tanggal : 5/5/2007 Jam : 14.30

a. berat piring + pasir	:	220.2	gram
b. berat piring kosong	:	126.7	gram
c. berat pasir	:	93.5	gram

Kesimpulan : Kandungan lumpur dalam pasir 6,5 % >5 %, tidak memenuhi syarat.

Yogyakarta, 24 November 2007
Mengetahui,

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PEMERIKSAAN BERAT JENIS PASIR

Bahan	: Pasir					
Asal dari	: Merapi					
Keadaan	: Lapangan					
Diperiksa tgl.	: 3/5/2007					
Pasir kering udara sejumlah (gr)	:	500 gram direndam air tgl 3/5/2007				
SSD pasir tgl./jam	:	4/5/2007				
Masuk botol (V = 500) sejumlah	:	500 gram. Tgl/jam 5/5/2007 Jam 11.00				
Tambah air sampai garis	:	500 cc sebanyak 280 cc				
Direndam dalam air selama 1 jam	:	111.30s.d. 12.30				
Tambah air (cc)	:	21				
W (jumlah air)	:	280	+	21	=	301
Volum – W (jumlah air)	:	500	-	301	=	199
Masuk oven tgl/jam	:	5/5/2007		s.d.		6/5/2007
Ditimbang beratnya (gr) A	:	498				
Bulk spesific grafity $\frac{A}{V-W}$	:	2,50251				
Bulk spesific grafity $\frac{500}{V-W}$	:	2,51256				
V – A(500 – A)	:	2				
Apparent spesific grafity $\frac{A}{(V-M)-(500-A)}$	:	2,5279				
Absorption $\frac{500-A}{A} x\,100\%$	:	0.40161 %				

Yogyakarta, 24 November 2007
Mengetahui,

Pemeriksa :
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PEMERIKSAAN BERAT JENIS KRICAK/KRIKIL

Bahan : Krikil
Asal dari : Cleremg
Keadaan : Lapangan
Diperiksa tgl. : 5/5/2007

Krikil ukuran 3/8" yang telah dicuci

Berat krikil	: 1000 gram	masuk oven tanggal 5/5/2007
Keluar oven tgl.	: 6/5/2007	
Berat kering oven (A)	: 982 gram	
Masuk air 24 jam tgl	: 7/5/2007	
Keluar air tgl	: 8/5/2007	permukaan dibersihkan (kering)
Berat SSD (B)	: 1008 gram	dimasukkan dalam keranjang kawat
Berat conth dalam air (C)	: 618.8 gram	

Bulk spesific grafity $\frac{A}{B-C}$: a. 2,5231

Bulk spesific grafity SSD $\frac{B}{B-C}$: a. 2,5899

Apparent spesific grafity $\frac{A}{A-C}$: a. 2,7037

Absorption $\frac{B-A}{A} x100\%$: a. 2.6477 %

Yogyakarta, 24 November 2007
Mengetahui,

Pemeriksa :
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PEMERIKSAAN GRADASI PASIR

Bahan : Pasir
Asal dari : Merapi
Untuk : Pemeriksaan Modulus Halus Butir
Keadaan : kering tungku 105-110 °C Jumlah : ± 1000 gram.
Diperiksa tgl. : 6/5/2007

DAFTAR AYAKAN

Lubang ayakan	B. Sar (gr)	B. Sar + Tertahan (gr)	B. Tertahan (gr)	∑ B. Tertahan (gr)	Presetase		Syarat ASTM
					B. Tertahan (%)	Lolos (%)	
¾"	504	504	0	0	0	0	100
½"	477	477	0	0	0	0	100
3/8"	478	478	0	0	0	0	100
4	512	553	41	41	4.1	95.9	95-100
8	334	419	85	126	12.6	87.4	80-100
30	301	918	617	743	74.3	25.7	25-60
50	297	482	185	928	92.8	7.2	10-30
100	290	359	69	997	99.7	0.3	2-10
200	341	344	3	1000	100	0	0-2
Pan	371	371	0	1000	100	0	-
Jumlah			500		483.5		

Modulus halus butir : $\frac{283.5}{100} = 2{,}835$

Kesimpulan : MHB pasir $2{,}3 \leq 2{,}835 \leq 3{,}1$, berarti memenuhi syarat

Yogyakarta, 24 November 2007
Mengetahui,

Pemeriksa :
1. Dolok H Panjaitan
2. Peggie G H
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PEMERIKSAAN GRADASI KERIKIL

Bahan : Krikil
Asal dari : Clereng
Untuk : Pemeriksaan Modulus Halus Butir
Keadaan : Kering Tungku Suhu 105-110 °C Jumlah: ± 1500 gram.
Diperiksa tgl. : 6/5/2007

DAFTAR AYAKAN

Lubang ayakan	B. Sar (gr)	B. Sar + Tertahan (gr)	B. Tertahan (gr)	∑ B. Tertahan (gr)	Presetase	
					B. Tertahan (%)	Lolos (%)
¾"	504	504	0	0	0	100
½"	477	1094	617	617	61.7	38.3
3/8"	478	749	271	888	88.8	11.2
4	512	624	112	1000	100	0
8	334	334	0	1000	100	0
30	301	301	0	1000	100	0
50	297	297	0	1000	100	0
100	290	290	0	1000	100	0
200	341	341	0	1000	100	0
Pan	371	371	0	1000	100	0
Jumlah					755,03	

Modulus halus butir : $\frac{750.5}{100}$ = 7,505

Kesimpulan : MHB kerikil 5 ≤ 7,505 ≤ 8 berarti memenuhi syarat

Yogyakarta, 24 November 2007
Mengetahui,

Pemeriksa :

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PEMERIKSAAN KADAR AIR PASIR

1. Bahan : Pasir
2. Asal : Merapi

Pemeriksaan	Pasir	
	A	B
Cawan	8.3 gr	9.1 gr
Cawan + Berat basah	75 gr	77.98 gr
Berat mula (W1)	66.7 gr	68.88
Cawan + Berat kering	73.54 gr	76.95 gr
Berat kering (W2)	65.24gr	67.85 gr
$W_a = \frac{W_1 - W_2}{W_2}$ x 100%	2.1889	1.4954
Kadar air rerata	1.8422 %	

Yogyakarta, 24 November 2007

Pemeriksa :

1. Dolok H Panjaitan
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4. Meta

Mengetahui,

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PEMERIKSAAN KADAR AIR KERIKIL

1. Bahan : Kerikil
2. Asal : Clereng

Pemeriksaan	Kerikil	
	A	B
Cawan	9.32 gr	9.72 gr
Cawan + Berat basah	87.60 gr	88.13 gr
Berat mula (W1)	78.28 gr	78.41 gr
Cawan + Berat kering	87.05 gr	87.32 gr
Berat kering (W2)	77.73gr	77.6 gr
$W_a = \frac{W_1 - W_2}{W_2}$ x 100%	0.7076	1.0438
Kadar air rerata	0.8757 %	

Yogyakarta, 24 November 2007

Pemeriksa :
1. Dolok H Panjaitan
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Mengetahui,

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PEMERIKSAAN KEAUSAN AGREGAT KASAR DENGAN MESIN LOS ANGELES

1. Bahan : Krikil
2. Asal : Clereng

Gradasi Saringan		Berat Saringan Masing-Masing Agregat
Lolos	Tertahan	
¾	½	2500 gram
½	3/8	2500 gram

Berat sebelum (A)	5000 gram
Berat Sesudah Diayak Saringan No. 12 (B)	3518.7 gram
Berat Sesudah (A-B)	1481.3gram
Keausan = $\frac{A-B}{A} \times 100\%$	29.6260 %

Ukuran Saringan		Berat Agregat			
Lolos	Tertahan	A	B	C	D
1 1/2	1	1250	-	-	-
1	3/4	1250	-	-	-
3/4	1/2	1250	2500	-	-
1/2	3/8	1250	2500	-	-
3/8	1/4	-	-	2500	-
1/4	No. 4	-	-	2500	-
No. 4	No. 8	-	-	-	5000
Total		5000	5000	5000	5000
Jumlah Bola Baja		12	11	8	6

Kesimpulan : Menurut AASHTO 29.6260% < 40%, memenuhi syarat

Yogyakarta, 24 November 2007
Mengetahui,

Pemeriksa :
1. Dolok H Panjaitan
2. Peggie G H
3. Yoseph P
4. Meta

(Ir. Hendra Suryadharma, MT.)
Kepala Laboratorium Transportasi

UNIVERSITAS GADJAH MADA
Laboratorium Penelitian dan Pengujian Terpadu

DP.5.10.01
Halaman 1 dari 1

LAPORAN HASIL PENGUJIAN

Nomor : 1027/LPPT-UGM/U/V/2007

Laporan hasil pengujian dibuat untuk	:
Nama	: Peggie Gladies Hehanusa
Institusi	: Teknik Sipil Universitas Atma Jaya – Yogyakarta
Nomor sampel	: 162-02-001-1476
Nama sampel	: Fly ash
Jumlah sampel	: 01
Parameter uji	: CaO, Fe_2O_3, K_2O, MgO, Na_2O, SO_3, TiO_2, SiO_2, Al_2O_3, P_2O_5
Metode	: AAS-Flame, Spektrofotometer UV-Vis
Tanggal terima sampel	: 21 Mei 2007
Tanggal pengujian	: 25 Mei 2007

HASIL UJI

No	Parameter uji	Hasil uji	Satuan	Metode
1	CaO	13,33	%	AAS-Flame
2	Fe_2O_3	10,04	%	
3	K_2O	0,31	%	
4	MgO	5,08	%	
5	Na_2O	0,14	%	
6	SO_3	1,85	%	Spektro UV-Vis
7	TiO_2	0,50	%	
8	SiO_2	1,19	%	
9	Al_2O_3	9,63	%	
10	P_2O_5	693,29	ppm	

Yogyakarta, 30 Mei 2007

Kepala,

Prof. Sismindari, Apt., SU, Ph.D.

Manajer Teknik,

Dr. Tri Joko Raharjo, M.Si.

Hasil pengujian ini berlaku hanya untuk sampel yang diujikan

Tidak diperkenankan untuk menggandakan dokumen ini tanpa seijin LPPT-UGM

Sekip Utara, Jl. Kaliurang Km. 4 Yogyakarta 55281
Telp. (0274) 546868 - Fax (0274) 546868
Email : lppt_info@mail.ugm.ac.id - Website : www.lppt.ugm.ac.id

PENGUJIAN KUAT TEKAN BENDA UJI VARIASI A

Kode	Tanggal			Diameter				Tinggi				Berat	Luas	Volume	BJ	Beban max.		f	f rerata
A	pembuatan	pengujian	Umur	1	2	3	rerata	1	2	3	rerata								
				mm	*mm*	*mm*	*mm*	*mm*	*mm*	*mm*	*mm*	*kg*	*mm2*	*mm3*	*kg/m3*	*Kgf*	*N*	*Mpa*	*Mpa*
1	12-Sep	15-Sep	7	149.60	148.40	149.60	149.20	302.40	300.80	300.90	301.37	10.50	17490.50	5271054.54	1992.01	930	9120	0.5214	
2	12-Sep	15-Sep	7	152.80	150.00	148.50	150.43	301.30	303.30	301.80	302.13	10.58	17780.86	5372191.05	1969.40	1050	10297	0.5791	
3	12-Sep	15-Sep	7	151.40	151.30	150.70	151.13	299.80	298.70	298.90	299.13	10.40	17946.72	5368463.22	1937.24	1120	10984	0.6120	0.5871
4	12-Sep	15-Sep	7	150.90	151.30	150.80	151.00	300.00	300.30	300.90	300.40	10.52	17915.07	5381687.46	1954.78	1160	11376	0.6350	
5	12-Sep	15-Sep	7	148.30	150.80	148.70	149.27	300.30	300.00	299.30	299.87	10.52	17506.14	5249506.90	2004.00	1050	10297	0.5882	
1	31-Aug	14-Sep	14	-	-	-	150.80	-	-	-	297.30	10.58	17867.65	5312051.07	1991.70	2235	21918	1.2267	
2	31-Aug	14-Sep	14	-	-	-	153.30	-	-	-	300.50	10.78	18464.99	5548727.99	1942.79	2560	25105	1.3596	
3	31-Aug	14-Sep	14	-	-	-	149.70	-	-	-	297.80	10.32	17607.93	5243640.92	1968.10	2180	21379	1.2141	1.1636
4	31-Aug	14-Sep	14	-	-	-	149.90	-	-	-	300.10	10.52	17655.01	5298267.86	1985.55	1720	16868	0.9554	
5	31-Aug	14-Sep	14	-	-	-	150.20	-	-	-	299.60	10.40	17725.75	5310633.42	1958.34	1920	18829	1.0622	
1	07-Sep	04-Oct	28	151.80	151.50	151.00	151.43	299.00	300.10	299.40	299.50	10.24	18018.04	5396403.81	1897.56	2160	21182	1.1756	
2	07-Sep	04-Oct	28	148.40	151.20	147.40	149.00	300.50	301.00	300.40	300.63	10.06	17443.64	5244140.50	1918.33	2130	20888	1.1975	
3	07-Sep	04-Oct	28	149.00	148.90	148.60	148.83	299.40	299.90	299.30	299.53	9.98	17404.64	5213270.10	1914.35	1720	16868	0.9691	1.1440
4	07-Sep	04-Oct	28	148.50	149.60	148.90	149.00	302.00	301.40	301.10	301.50	9.98	17443.64	5259258.32	1897.61	2140	20986	1.2031	
5	07-Sep	04-Oct	28	150.80	151.10	151.50	151.13	299.40	300.00	299.00	299.47	10.20	17946.72	5374445.46	1897.87	2150	21084	1.1748	
1	02-Jul	27-Aug	56	150.43	150.46	150.26	150.38	298.99	299.46	297.82	298.76	10.38	17769.04	5308620.36	1955.31	3670	35991	2.0255	
2	02-Jul	27-Aug	56	150.16	149.60	150.20	149.99	298.85	298.68	299.90	299.14	10.36	17675.43	5287486.66	1959.34	3420	33539	1.8975	
3	02-Jul	27-Aug	56	150.60	151.12	151.33	151.02	300.16	299.28	300.48	299.97	10.70	17919.03	5375230.08	1990.61	4160	40796	2.2767	2.0765
4	02-Jul	27-Aug	56	149.72	148.96	150.97	149.88	298.78	297.82	299.66	298.75	10.26	17651.08	5273319.62	1945.64	3580	35108	1.9890	
5	02-Jul	27-Aug	56	150.58	151.36	151.20	151.05	299.74	300.12	299.38	299.75	10.48	17926.15	5373302.65	1950.38	4010	39325	2.1937	

PENGUJIAN KUAT TEKAN BENDA UJI VARIASI B

Kode	Tanggal			Diameter				Tinggi				Berat	Luas	V olume	BJ	Beban max.		f	f rerata
B	pembuatan	pengujian	Umur	1	2	3	rerata	1	2	3	rerata								
				mm	mm	mm	mm	mm	mm	mm	mm	kg	mm2	mm3	kg/m3	Kgf	N	Mpa	Mpa
1	10-Nov	17-Nov	7	150.10	151.00	151.00	150.70	302.00	301.00	300.80	301.27	11.18	17843.96	5375789.27	2079.69	3680	36089	2.0225	
2	10-Nov	17-Nov	7	150.80	150.70	150.20	150.57	302.00	300.10	302.20	301.43	11.10	17812.40	5369249.65	2067.33	3170	31087	1.7453	1.8929
3	10-Nov	17-Nov	7	150.80	150.90	150.60	150.77	301.60	300.90	300.00	300.83	11.10	17859.75	5372807.38	2065.96	3480	34127	1.9109	
1	02-Nov	16-Nov	14	150.30	151.80	150.60	150.90	299.40	301.50	300.50	300.47	10.82	17891.35	5375754.51	2012.74	6000	58840	3.2888	
2	02-Nov	16-Nov	14	151.20	151.40	151.10	151.23	301.10	301.20	300.40	300.90	10.86	17970.48	5407317.69	2008.39	6350	62273	3.4653	3.3242
3	02-Nov	16-Nov	14	154.50	150.20	152.90	152.53	303.30	300.40	301.70	301.80	10.98	18280.76	5517132.41	1990.16	6000	58840	3.2187	
1	09-Sep	06-Oct	28	150.00	150.80	150.50	150.43	300.40	300.70	301.10	300.73	10.76	17780.86	5347297.85	2012.23	10150	99538	5.5980	
2	09-Sep	06-Oct	28	151.20	150.30	150.90	150.80	300.30	300.80	300.20	300.43	10.86	17867.65	5368036.36	2023.09	9750	95615	5.3513	
3	09-Sep	06-Oct	28	150.40	149.70	150.00	150.03	301.70	301.60	301.20	301.50	10.88	17686.43	5332458.48	2040.33	9500	93164	5.2675	5.3952
4	09-Sep	06-Oct	28	151.70	150.60	151.20	151.17	299.70	301.00	300.20	300.30	10.84	17954.64	5391778.65	2010.47	9650	94635	5.2708	
5	09-Sep	06-Oct	28	151.00	150.50	150.90	150.80	300.90	300.40	301.30	300.87	10.80	17867.65	5375779.01	2009.01	10000	98067	5.4885	
1	03-Jul	28-Aug	56	151.64	151.12	150.52	151.09	300.62	301.36	301.68	301.22	11.14	17937.22	5403050.90	2061.80	11825	115964	6.4650	
2	03-Jul	28-Aug	56	151.64	150.12	151.18	150.98	301.18	301.25	301.72	301.38	11.14	17910.33	5397873.76	2063.78	10825	106158	5.9272	
3	03-Jul	28-Aug	56	151.08	150.85	151.40	151.11	301.42	302.69	302.12	302.08	11.12	17941.18	5419612.56	2051.81	9750	95615	5.3294	6.1867
4	03-Jul	28-Aug	56	150.02	151.86	151.26	151.05	301.94	301.74	302.16	301.95	11.40	17926.15	5412740.17	2106.14	12950	126997	7.0845	
5	03-Jul	28-Aug	56	150.43	150.32	150.35	150.37	301.25	300.08	302.26	301.20	11.12	17765.11	5350790.60	2078.20	11100	108854	6.1274	

PENGUJIAN KUAT TEKAN BENDA UJI VARIASI C

Kode	Tanggal			Diameter				Tinggi				Berat	Luas	V olume	BJ	Beban max.		f	f rerata
C	pembuatan	pengujian	Umur	1	2	3	rerata	1	2	3	rerata								
				mm	mm	mm	mm	mm	mm	mm	mm	kg	mm2	mm3	kg/m3	Kgf	N	Mpa	Mpa
1	10-Nov	17-Nov	7	150.10	149.80	150.50	150.13	301.70	301.30	301.60	301.53	11.12	17710.01	5340159.55	2082.33	5275	51730	2.9210	
2	10-Nov	17-Nov	7	150.20	150.40	150.30	150.30	300.80	299.90	300.90	300.53	11.30	17749.36	5334273.25	2118.38	4775	46827	2.6382	2.6168
3	10-Nov	17-Nov	7	150.00	149.90	149.80	149.90	300.30	301.60	300.80	300.90	11.22	17655.01	5312391.86	2112.04	4125	40453	2.2913	
1	02-Nov	16-Nov	14	150.65	150.25	150.50	150.47	300.20	300.70	300.20	300.37	11.12	17788.74	5343145.30	2081.17	12800	125526	7.0565	
2	02-Nov	16-Nov	14	151.20	150.25	150.95	150.80	302.50	302.00	300.75	301.75	11.12	17867.65	5391562.09	2062.48	11550	113268	6.3393	6.3862
3	02-Nov	16-Nov	14	151.50	151.25	149.65	150.80	301.40	301.00	301.20	301.20	11.08	17867.65	5381734.89	2058.82	10500	102970	5.7630	
1	14-Sep	12-Oct	28	150.20	150.60	150.70	150.50	300.80	300.30	300.50	300.53	11.00	17796.63	5348479.03	2056.66	15150	148572	8.3483	
2	14-Sep	12-Oct	28	150.80	151.00	150.00	150.60	301.00	300.60	300.70	300.77	11.16	17820.28	5359747.07	2082.19	15350	150533	8.4473	
3	14-Sep	12-Oct	28	151.20	151.30	149.80	150.77	301.50	301.20	301.60	301.43	11.26	17859.75	5383523.23	2091.57	15150	148572	8.3188	8.3723
4	14-Sep	12-Oct	28	150.20	150.30	150.30	150.27	300.50	300.80	301.50	300.93	11.16	17741.48	5339004.05	2090.28	15000	147101	8.2913	
5	14-Sep	12-Oct	28	150.40	149.90	149.80	150.03	301.85	301.30	301.35	301.50	11.22	17686.43	5332458.48	2104.10	15250	149552	8.4558	
1	25-May	20-Jul	56	151.68	150.76	151.02	151.15	301.33	301.56	303.40	302.10	11.34	17951.47	5423080.37	2091.06	14600	143178	7.9758	
2	25-May	20-Jul	56	151.32	151.20	151.66	151.39	302.54	302.72	302.90	302.72	11.42	18008.53	5451540.80	2094.82	18150	177992	9.8838	
3	25-May	20-Jul	56	150.70	150.68	150.94	150.77	304.86	303.36	303.54	303.92	11.42	17861.33	5428414.51	2103.75	13600	133371	7.4670	7.9762
4	25-May	20-Jul	56	150.21	150.64	150.90	150.58	302.80	304.82	302.78	303.47	11.36	17816.34	5406664.94	2101.11	13350	130920	7.3483	
5	25-May	20-Jul	56	150.82	150.88	151.06	150.92	301.46	304.76	304.72	303.65	11.40	17896.09	5434089.17	2097.87	13150	128958	7.2059	

PENGUJIAN KUAT TEKAN BENDA UJI VARIASI D

Kode	Tanggal			Diameter				Tinggi				Berat	Luas	V olume	BJ	Beban max.		f	f rerata
D	pembuatan	pengujian	Umur	1	2	3	rerata	1	2	3	rerata								
				mm	mm	mm	mm	mm	mm	mm	mm	kg	mm2	mm3	kg/m3	Kgf	N	Mpa	Mpa
1	10-Nov	17-Nov	7	150.90	150.30	150.00	150.40	299.50	298.70	299.90	299.37	10.76	17772.98	5320638.63	2022.31	7100	69628	3.9176	
2	10-Nov	17-Nov	7	149.60	150.00	150.90	150.17	299.60	299.30	299.50	299.47	10.62	17717.88	5305914.16	2001.54	7750	76002	4.2896	4.0572
3	10-Nov	17-Nov	7	149.70	150.50	149.90	150.03	298.50	298.00	299.00	298.50	10.62	17686.43	5279399.19	2011.59	7150	70118	3.9645	
1	01-Nov	15-Nov	14	150.90	151.70	150.90	151.17	300.70	301.00	300.65	300.78	11.40	17954.64	5400456.73	2110.93	18400	180443	10.0500	
2	01-Nov	15-Nov	14	151.00	151.86	151.50	151.45	301.80	301.20	300.40	301.13	11.40	18022.80	5427266.57	2100.50	18350	179953	9.9847	9.8945
3	01-Nov	15-Nov	14	151.30	150.50	151.50	151.10	300.50	301.90	301.30	301.23	11.42	17938.81	5403766.89	2113.34	17650	173088	9.6488	
1	14-Sep	12-Oct	28	150.00	150.30	150.40	150.23	301.30	302.10	301.00	301.47	11.48	17733.61	5346093.56	2147.36	21600	211825	11.9448	
2	14-Sep	12-Oct	28	150.90	150.80	151.70	151.13	303.20	300.00	302.50	301.90	11.50	17946.72	5418115.82	2122.51	18300	179463	9.9998	
3	14-Sep	12-Oct	28	150.90	151.10	150.70	150.90	301.30	300.70	299.40	300.47	11.52	17891.35	5375754.51	2142.95	19550	191721	10.7159	10.7948
4	14-Sep	12-Oct	28	151.10	151.25	151.00	151.12	302.10	302.45	301.40	301.98	11.38	17942.77	5418416.12	2100.24	19600	192212	10.7125	
5	14-Sep	12-Oct	28	151.20	148.70	148.80	149.57	302.70	302.50	302.80	302.67	11.36	17576.58	5319843.70	2135.40	19000	186327	10.6009	
1	19-May	14-Jul	56	149.14	149.68	149.81	149.54	302.82	302.30	302.68	302.60	11.58	17571.09	5317012.57	2177.91	12350	121113	6.8927	
2	19-May	14-Jul	56	151.90	151.20	151.04	151.38	302.12	302.20	302.60	302.31	11.56	18005.35	5443138.39	2123.77	20600	202018	11.2199	
3	19-May	14-Jul	56	150.08	149.88	150.65	150.20	302.22	301.76	301.66	301.88	11.50	17726.53	5351285.63	2149.02	21400	209864	11.8390	9.7113
4	19-May	14-Jul	56	152.24	151.28	152.66	152.06	301.90	302.62	302.12	302.21	11.88	18167.48	5490453.82	2163.76	19100	187308	10.3101	
5	19-May	14-Jul	56	151.20	148.42	151.08	150.23	304.85	303.04	302.96	303.62	11.66	17733.61	5384220.83	2165.59	15000	147101	8.2950	

PENGUJIAN KUAT TEKAN BENDA UJI VARIASI E

Kode	Tanggal			Diameter				Tinggi				Berat	Luas	V olume	BJ	Beban max.		f	f rerata
E	pembuatan	pengujian	Umur	1	2	3	rerata	1	2	3	rerata								
				mm	*mm*	*mm*	*mm*	*mm*	*mm*	*mm*	*mm*	*kg*	*mm2*	*mm3*	*kg/m3*	*Kgf*	*N*	*Mpa*	*Mpa*
1	03-Oct	10-Oct	7	150.50	151.10	150.75	150.78	300.25	300.55	300.25	300.35	11.94	17863.70	5365361.22	2225.39	19250	188779	10.5678	
2	03-Oct	10-Oct	7	150.50	150.90	151.10	150.83	301.70	300.00	300.00	300.57	11.98	17875.55	5372793.17	2229.75	18500	181424	10.1493	
3	03-Oct	10-Oct	7	151.10	150.40	150.15	150.55	300.40	300.60	300.20	300.40	12.00	17808.45	5349658.97	2243.13	17700	173579	9.7470	10.2975
4	03-Oct	10-Oct	7	150.00	150.40	150.40	150.27	300.30	300.25	300.20	300.25	11.90	17741.48	5326880.70	2233.95	18850	184856	10.4194	
5	03-Oct	10-Oct	7	151.30	151.60	151.60	151.50	300.00	299.90	300.25	300.05	12.06	18033.91	5411074.91	2228.76	19500	191231	10.6040	
1	07-Sep	04-Oct	14	151.50	153.80	149.80	151.70	301.80	301.90	301.00	301.57	12.06	18081.56	5452794.70	2211.71	310	310000	17.1445	
2	07-Sep	04-Oct	14	150.00	150.20	150.50	150.23	301.60	301.80	302.00	301.80	12.04	17733.61	5352004.77	2249.62	265	265000	14.9434	
3	07-Sep	04-Oct	14	150.70	150.20	150.50	150.47	299.40	300.40	298.90	299.57	11.90	17788.74	5328914.31	2233.10	310	310000	17.4268	16.7847
4	07-Sep	04-Oct	14	151.40	151.10	151.30	151.27	300.20	299.10	299.40	299.57	12.00	17978.40	5385730.41	2228.11	325	325000	18.0772	
5	07-Sep	04-Oct	14	150.50	150.20	150.30	150.33	299.90	300.40	300.60	300.30	11.96	17757.23	5332496.22	2242.85	290	290000	16.3314	
1	22-Sep	19-Oct	28	150.60	150.80	150.20	150.53	299.30	300.20	300.30	299.93	11.98	17804.51	5340165.79	2243.38	400	400000	22.4662	
2	22-Sep	19-Oct	28	151.80	150.10	152.20	151.37	299.20	300.40	300.50	300.03	12.08	18002.18	5401254.62	2236.52	335	335000	18.6089	
3	22-Sep	19-Oct	28	150.20	149.70	150.40	150.10	299.70	300.00	300.90	300.20	11.92	17702.15	5314185.64	2243.05	300	300000	16.9471	18.7424
4	22-Sep	19-Oct	28	150.30	149.90	150.70	150.30	301.20	300.20	301.10	300.83	12.02	17749.36	5339598.06	2251.11	320	320000	18.0288	
5	22-Sep	19-Oct	28	150.20	150.80	151.00	150.67	299.50	300.00	300.30	299.93	12.02	17836.06	5349629.98	2246.88	315	315000	17.6608	
1	01-Jun	27-Jul	56	154.87	149.90	153.80	152.86	302.96	302.16	302.80	302.64	12.24	18358.34	5555968.15	2203.04	27350	268214	14.6099	
2	01-Jun	27-Jul	56	150.62	150.20	152.92	151.25	301.29	302.94	302.06	302.10	12.10	17973.65	5429779.67	2228.45	27400	268704	14.9499	
3	01-Jun	27-Jul	56	149.32	150.22	150.82	150.12	302.48	302.94	303.32	302.91	11.86	17706.87	5363646.55	2211.18	25100	246148	13.9013	13.9712
4	01-Jun	27-Jul	56	151.30	149.80	151.02	150.71	303.35	302.90	303.12	303.12	11.96	17845.54	5409398.12	2210.97	21900	214767	12.0348	
5	01-Jun	27-Jul	56	151.42	151.38	151.64	151.48	302.10	301.60	302.46	302.05	12.06	18029.15	5445764.73	2214.57	26400	258897	14.3599	

PENGUJIAN KUAT TEKAN BENDA UJI VARIASI F

Kode	Tanggal		Umur	Diameter				Tinggi				Berat	Luas	V olume	BJ	Beban max.		f	f rerata
F	pembuatan	pengujian		1	2	3	rerata	1	2	3	rerata								
			7	mm	mm	mm	mm	mm	mm	mm	mm	kg	mm2	m:m3	kg/m3	Kgf	N	Mpa	Mpa
1	10-Nov	17-Nov	7	149.50	149.80	150.70	150.00	302.20	301.30	301.00	301.50	11.98	17678.57	5330089.29	2247.62	2750	26968	1.5255	
2	10-Nov	17-Nov	7	149.10	150.20	150.40	149.90	301.20	300.90	300.30	300.80	10.96	17655.01	5310626.36	2063.79	2770	27165	1.5386	1.4889
3	10-Nov	17-Nov	7	150.90	151.00	150.90	150.93	300.80	300.80	301.00	300.87	11.06	17899.26	5385289.45	2053.74	2560	25105	1.4026	
1	02-Nov	16-Nov	14	150.00	151.20	150.00	150.40	300.00	300.50	300.10	300.20	11.88	17772.98	5335449.45	2226.62	2670	26184	1.4732	
2	02-Nov	16-Nov	14	150.20	149.90	151.50	150.53	301.00	300.90	300.80	300.90	11.44	17804.51	5357376.82	2135.37	2850	27949	1.5698	1.5241
3	02-Nov	16-Nov	14	150.90	150.00	151.00	150.63	300.90	300.10	300.70	300.57	11.60	17828.17	5358554.32	2164.76	2780	27263	1.5292	
1	21-Sep	18-Oct	28	150.10	150.25	150.10	150.15	301.70	301.10	301.30	301.37	11.44	17713.95	5338392.93	2142.97	3545	34765	1.9626	
2	21-Sep	18-Oct	28	150.40	151.30	150.80	150.83	299.50	301.00	299.90	300.13	11.44	17875.55	5365047.10	2132.32	3990	39129	2.1890	
3	21-Sep	18-Oct	28	150.70	151.40	150.70	150.93	301.20	301.60	302.50	301.77	11.48	17899.26	5401398.78	2125.38	3430	33637	1.8792	2.0299
4	21-Sep	18-Oct	28	150.20	150.30	150.10	150.20	300.00	301.20	299.90	300.37	11.50	17725.75	5324223.15	2159.94	3590	35206	1.9862	
5	21-Sep	18-Oct	28	150.00	149.90	150.15	150.02	300.10	300.00	299.85	299.98	11.44	17682.50	5304455.36	2156.68	3845	37707	2.1324	
1	30-May	31-Jul	56	150.13	149.95	149.14	149.74	305.82	305.36	305.92	305.70	10.98	17617.34	5385620.48	2038.76	3900	38246	2.1709	
2	30-May	31-Jul	56	150.40	150.08	151.56	150.68	304.94	304.54	305.30	304.93	11.08	17839.22	5439654.03	2036.89	3250	31872	1.7866	
3	30-May	31-Jul	56	150.02	149.63	150.74	150.13	303.80	303.32	303.34	303.49	10.92	17709.23	5374514.44	2031.81	4120	40404	2.2815	2.1032
4	30-May	31-Jul	56	150.05	150.18	150.04	150.09	302.44	301.98	303.22	302.55	10.86	17699.79	5355013.09	2028.01	4400	43150	2.4379	
5	30-May	31-Jul	56	150.80	151.32	150.22	150.78	303.52	300.72	302.11	302.12	10.86	17862.91	5396681.80	2012.35	3350	32852	1.8391	

PENGUJIAN KUAT TEKAN BENDA UJI VARIASI G

Kode	Tanggal		Umur	Diameter				Tinggi				Berat	Luas	V olume	BJ	Beban max.		f	f rerata
G	pembuatan	pengujian		1	2	3	rerata	1	2	3	rerata								
				mm	mm	mm	mm	mm	mm	mm	mm	kg	mm2	mm3	kg/m3	Kgf	N	Mpa	Mpa
1	10-Nov	17-Nov	7	150.70	151.00	151.40	151.03	300.80	301.30	299.70	300.60	11.10	17922.98	5387648.34	2060.27	4110	40306	2.2488	
2	10-Nov	17-Nov	7	150.50	151.60	150.60	150.90	299.40	300.30	299.20	299.63	11.10	17891.35	5360845.05	2070.57	3790	37167	2.0774	2.1783
3	10-Nov	17-Nov	7	150.80	150.20	150.60	150.53	301.60	300.00	301.40	301.00	10.88	17804.51	5359157.27	2030.17	4010	39325	2.2087	
1	02-Nov	16-Nov	14	150.90	151.00	151.20	151.03	300.20	300.10	299.95	300.08	11.00	17922.98	5378388.13	2045.22	5250	51485	2.8726	
2	02-Nov	16-Nov	14	150.00	150.20	149.80	150.00	299.50	300.00	300.60	300.03	11.20	17678.57	5304160.71	2111.55	5300	51976	2.9400	3.0404
3	02-Nov	16-Nov	14	150.60	150.80	149.95	150.45	300.10	300.25	300.50	300.28	11.30	17784.80	5340479.62	2115.91	6000	58840	3.3085	
1	22-Sep	19-Oct	28	150.00	151.00	149.90	150.30	300.00	300.10	301.20	300.43	10.70	17749.36	5332498.32	2006.56	7700	75512	4.2543	
2	22-Sep	19-Oct	28	151.05	151.55	151.60	151.40	300.60	300.65	301.00	300.75	10.80	18010.11	5416541.01	1993.89	7825	76738	4.2608	
3	22-Sep	19-Oct	28	150.75	150.30	150.70	150.58	300.75	300.90	300.70	300.78	10.72	17816.34	5358857.77	2000.43	7450	73060	4.1007	4.1987
4	22-Sep	19-Oct	28	150.00	150.10	149.85	149.98	300.20	300.10	299.90	300.07	10.64	17674.64	5303571.23	2006.20	7400	72570	4.1059	
5	22-Sep	19-Oct	28	150.20	150.50	150.00	150.23	300.00	301.00	300.05	300.35	10.76	17733.61	5326291.03	2020.17	7725	75757	4.2719	
1	20-May	15-Jul	56	150.58	150.48	150.68	150.58	301.87	302.82	302.60	302.43	11.08	17815.55	5387956.80	2056.44	13550	132881	7.4587	
2	20-May	15-Jul	56	150.92	150.66	150.72	150.77	302.39	302.30	301.53	302.07	11.08	17859.75	5394953.47	2053.77	12750	125036	7.0010	
3	20-May	15-Jul	56	150.02	152.06	152.07	151.38	301.20	301.17	302.23	301.53	11.20	18006.15	5429453.35	2062.82	13950	136804	7.5976	7.4992
4	20-May	15-Jul	56	150.98	149.56	150.24	150.26	301.18	301.72	302.08	301.66	11.06	17739.91	5351421.33	2066.74	14000	137294	7.7393	
5	20-May	15-Jul	56	150.20	150.02	151.72	150.65	301.95	301.47	301.54	301.65	11.14	17831.33	5378879.70	2071.06	14000	137294	7.6996	

PENGUJIAN KUAT TEKAN BENDA UJI VARIASI H

Kode	Tanggal			Diameter				Tinggi				Berat	Luas	V olume	BJ	Beban max.		f	f rerata
H	pembuatan	pengujian	Umur	1	2	3	rerata	1	2	3	rerata								
				mm	mm	mm	mm	mm	mm	mm	mm	kg	mm2	mm3	kg/m3	Kgf	N	Mpa	Mpa
1	10-Nov	17-Nov	14	150.40	149.60	150.00	150.00	303.20	301.70	302.30	302.40	10.90	17678.57	5346000.00	2038.91	10650	104441	5.9078	5.1840
2	10-Nov	17-Nov	14	150.30	148.60	149.90	149.60	301.00	301.50	300.90	301.13	10.70	17584.41	5295252.43	2020.68	9200	90222	5.1308	
3	10-Nov	17-Nov	14	149.20	148.80	151.00	149.67	301.00	300.90	300.40	300.77	10.66	17600.09	5293519.59	2013.78	8100	79434	4.5133	
1	01-Nov	15-Nov	7	150.75	151.60	151.30	151.22	302.40	301.75	300.50	301.55	10.74	17966.52	5417804.17	1982.35	10050	98557	5.4856	6.2541
2	01-Nov	15-Nov	7	150.00	150.50	150.85	150.45	301.30	301.90	301.65	301.62	10.72	17784.80	5364192.69	1998.44	12800	125526	7.0580	
3	01-Nov	15-Nov	7	150.10	150.20	150.50	150.27	301.30	300.7.	300.10	300.70	11.78	17741.48	5334864.37	2208.12	11250	110325	6.2185	
1	14-Sep	12-Oct	28	151.30	150.90	151.20	151.13	300.10	301.80	300.50	300.80	11.26	17946.72	5398374.43	2085.81	12900	126507	7.0490	6.9844
2	14-Sep	12-Oct	28	151.00	151.60	151.50	151.37	300.00	301.20	300.50	300.57	11.30	18002.18	5410855.78	2088.39	13500	132391	7.3541	
3	14-Sep	12-Oct	28	151.60	150.40	151.00	151.00	300.60	301.40	300.70	300.90	11.26	17915.07	5390644.99	2088.80	11350	111306	6.2130	
4	14-Sep	12-Oct	28	150.80	150.90	151.95	151.22	300.80	299.45	300.40	300.22	11.26	17966.52	5393848.81	2087.56	13350	130920	7.2869	
5	14-Sep	12-Oct	28	149.90	150.05	150.00	149.98	303.10	302.70	302.80	302.87	11.30	17674.64	5353060.23	2110.94	12650	124055	7.0188	
1	04-Jul	29-Aug	56	150.96	152.63	151.47	151.69	303.50	300.83	303.62	302.65	11.38	18078.38	5471421.13	2079.90	10050	98557	5.4517	8.0230
2	04-Jul	29-Aug	56	150.55	149.96	150.75	150.42	303.47	303.81	302.89	303.39	11.24	17777.71	5393579.45	2083.96	12500	122584	6.8954	
3	04-Jul	29-Aug	56	150.93	150.68	151.88	151.16	303.82	303.23	302.03	303.03	11.34	17953.85	5440495.03	2084.37	18750	183876	10.2416	
4	04-Jul	29-Aug	56	151.90	152.40	152.50	152.27	302.61	302.26	301.68	302.18	11.44	18216.89	5504841.74	2078.17	15500	152004	8.3441	
5	04-Jul	29-Aug	56	150.48	150.99	150.52	150.66	303.13	303.02	302.53	302.89	11.36	17835.27	5402185.68	2102.85	16700	163772	9.1825	

PENGUJIAN KUAT TEKAN BENDA UJI VARIASI I

Kode	Tanggal			Diameter				Tinggi				Berat	Luas	V olume	BJ	Beban max.		f	f rerata
I	pembuatan	pengujian	Umur	1	2	3	rerata	1	2	3	rerata								
				mm	mm	mm	mm	mm	mm	mm	mm	kg	mm2	mm3	kg/m3	Kgf	N	Mpa	Mpa
1	10-Nov	17-Nov	7	150.10	150.80	150.80	150.57	300.80	300.10	300.50	300.47	11.44	17812.40	5352031.00	2137.51	19100	187308	10.5156	9.6855
2	10-Nov	17-Nov	7	150.30	151.80	150.40	150.83	301.10	300.20	302.00	301.10	11.54	17875.55	5382326.79	2144.05	16900	165733	9.2715	
3	10-Nov	17-Nov	7	150.60	150.75	151.20	150.85	300.95	301.05	301.50	301.17	11.56	17879.50	5384708.29	2146.82	16900	165733	9.2695	
1	02-Nov	16-Nov	14	151.00	150.80	151.40	151.07	300.30	299.50	299.00	299.60	11.48	17930.89	5372095.83	2136.97	16900	165733	9.2429	10.7467
2	02-Nov	16-Nov	14	150.00	150.20	150.30	150.17	301.00	300.80	301.30	301.03	11.48	17717.88	5333672.17	2152.36	21700	212806	12.0108	
3	02-Nov	16-Nov	14	151.50	151.10	151.30	151.30	300.70	300.60	301.60	300.97	11.66	17986.33	5413285.14	2153.96	20150	197605	10.9864	
1	14-Sep	12-Oct	28	150.20	150.80	151.10	150.70	301.85	301.50	302.50	301.95	11.49	17843.96	5387982.64	2132.52	21900	214767	12.0358	11.0153
2	14-Sep	12-Oct	28	149.90	149.80	149.40	149.70	300.10	300.30	300.20	300.20	11.34	17607.93	5285899.94	2145.33	21000	205941	11.6959	
3	14-Sep	12-Oct	28	151.85	151.60	149.90	151.12	303.80	304.40	303.80	304.00	11.58	17942.77	5454600.70	2122.98	19800	194173	10.8218	
4	14-Sep	12-Oct	28	150.50	150.50	150.15	150.38	302.00	301.90	302.85	302.25	11.48	17769.04	5370693.56	2137.53	19100	187308	10.5413	
5	14-Sep	12-Oct	28	150.70	150.50	150.75	150.65	300.90	300.40	302.00	301.10	11.36	17832.12	5369250.63	2115.75	18150	177992	9.9815	
1	16-May	11-Jul	56	151.82	151.73	151.90	151.82	302.96	301.82	301.48	302.09	11.62	18109.38	5470601.87	2124.08	19300	189270	10.4515	11.3688
2	16-May	11-Jul	56	152.02	152.04	152.09	152.05	302.63	301.43	301.72	301.93	11.78	18165.09	5484524.37	2147.86	17800	174559	9.6096	
3	16-May	11-Jul	56	150.16	151.84	151.64	151.21	302.16	302.16	301.84	302.05	11.62	17965.73	5426608.07	2141.30	25000	245168	13.6464	
4	16-May	11-Jul	56	151.20	149.52	151.84	150.85	302.22	302.22	303.95	302.80	11.50	17880.29	5414091.13	2124.09	22500	220651	12.3405	
5	16-May	11-Jul	56	150.56	151.82	151.74	151.37	303.72	303.28	302.53	303.18	11.56	18003.77	5458322.25	2117.87	19820	194369	10.7960	

PENGUJIAN KUAT TEKAN BENDA UJI VARIASI J

Kode	Tanggal			Diameter				Tinggi				Berat	Luas	V olume	BJ	Beban max.		f	f rerata
J	pembuatan	pengujian	Umur	1	2	3	rerata	1	2	3	rerata								
				mm	*mm*	*mm*	*mm*	*mm*	*mm*	*mm*	*mm*	*kg*	*mm2*	*mm3*	*kg/m3*	*Kgf*	*N*	*Mpa*	*Mpa*
1	22-Sep	29-Sep	7	150.10	149.60	151.40	150.37	302.20	302.00	302.40	302.20	12.16	17765.11	5368614.92	2265.02	22650	222122	12.5033	
2	22-Sep	29-Sep	7	151.00	150.70	151.10	150.93	301.80	302.00	301.80	301.87	12.18	17899.26	5403188.71	2254.22	20500	201038	11.2316	
3	22-Sep	29-Sep	7	150.75	151.30	150.20	150.75	299.40	299.80	301.40	300.20	12.04	17855.80	5360310.89	2246.14	16300	159849	8.9522	11.4028
4	22-Sep	29-Sep	7	150.10	150.50	150.20	150.27	300.80	301.00	301.20	301.00	12.00	17741.48	5340186.82	2247.11	21750	213296	12.0224	
5	22-Sep	29-Sep	7	149.80	150.40	150.50	150.23	300.90	300.70	300.50	300.70	12.00	17733.61	5332497.79	2250.35	22250	218199	12.3043	
1	09-Sep	06-Oct	14	151.80	151.30	151.70	151.60	301.00	301.50	300.60	301.03	12.16	18057.73	5435977.36	2236.95	255	255000	14.1214	
2	09-Sep	06-Oct	14	149.70	150.10	149.00	149.60	303.30	303.20	304.60	303.70	12.02	17584.41	5340385.75	2250.77	245	245000	13.9328	
3	09-Sep	06-Oct	14	150.20	151.30	150.70	150.73	300.80	301.40	300.60	300.93	12.06	17851.85	5372217.06	2244.88	235	235000	13.1639	13.1868
4	09-Sep	06-Oct	14	149.90	150.50	150.40	150.27	300.50	300.60	300.90	300.67	12.02	17741.48	5334272.99	2253.35	240	240000	13.5276	
5	09-Sep	06-Oct	14	150.30	151.30	150.90	150.83	301.20	301.50	300.60	301.10	11.98	17875.55	5382326.79	2225.80	200	200000	11.1885	
1	22-Sep	19-Oct	28	150.60	151.40	151.10	151.03	299.60	298.40	299.20	299.07	12.02	17922.98	5360166.43	2242.47	380	380000	21.2018	
2	22-Sep	19-Oct	28	150.20	150.50	150.30	150.33	301.40	300.80	301.10	301.10	12.02	17757.23	5346702.00	2248.11	340	340000	19.1471	
3	22-Sep	19-Oct	28	150.80	151.10	150.90	150.93	301.50	300.50	301.30	301.10	12.08	17899.26	5389465.94	2241.41	405	405000	22.6266	20.6331
4	22-Sep	19-Oct	28	150.40	150.80	150.60	150.60	299.20	299.60	300.00	299.60	12.06	17820.28	5338956.74	2258.87	410	410000	23.0075	
5	22-Sep	19-Oct	28	151.60	151.30	151.70	151.53	299.90	299.90	300.00	299.93	12.14	18041.85	5411351.40	2243.43	310	310000	17.1823	
1	25-May	20-Jul	56	151.88	151.27	150.88	151.34	302.11	301.16	300.84	301.37	12.00	17996.63	5423645.03	2212.53	42828	420000	23.3377	
2	25-May	20-Jul	56	150.76	150.73	150.46	150.65	302.88	302.65	303.51	303.01	12.00	17832.12	5403369.42	2220.84	37219	365000	20.4687	
3	25-May	20-Jul	56	153.50	152.82	152.24	152.85	301.93	301.77	301.82	301.84	11.92	18357.54	5541039.80	2151.22	33650	330000	17.9763	21.3780
4	25-May	20-Jul	56	152.45	151.41	150.76	151.54	303.03	302.01	301.29	302.11	11.42	18043.43	5451102.10	2094.99	40788	400000	22.1687	
5	25-May	20-Jul	56	151.75	151.50	151.98	151.74	301.78	302.83	302.31	302.31	12.15	18091.89	5469298.34	2221.49	42318	415000	22.9385	

PENGUJIAN KUAT TEKAN BENDA UJI VARIASI A

Kode	Tanggal			Diameter				Tinggi				Berat	Luas	V olume	BJ	Beban max.		f	f rerata
A	pembuatan	pengujian	Umur	1	2	3	rerata	1	2	3	rerata								
				mm	*mm*	*mm*	*mm*	*mm*	*mm*	*mm*	*mm*	*kg*	*mm2*	*mm3*	*kg/m3*	*Kgf*	*N*	*Mpa*	*Mpa*
1	12-Sep	15-Sep	7	149.60	148.40	149.60	149.20	302.40	300.80	300.90	301.37	10.50	17490.50	5271054.54	1992.01	930	9120	0.5214	
2	12-Sep	15-Sep	7	152.80	150.00	148.50	150.43	301.30	303.30	301.80	302.13	10.58	17780.86	5372191.05	1969.40	1050	10297	0.5791	
3	12-Sep	15-Sep	7	151.40	151.30	150.70	151.13	299.80	298.70	298.90	299.13	10.40	17946.72	5368463.22	1937.24	1120	10984	0.6120	0.5871
4	12-Sep	15-Sep	7	150.90	151.30	150.80	151.00	300.00	300.30	300.90	300.40	10.52	17915.07	5381687.46	1954.78	1160	11376	0.6350	
5	12-Sep	15-Sep	7	148.30	150.80	148.70	149.27	300.30	300.00	299.30	299.87	10.52	17506.14	5249506.90	2004.00	1050	10297	0.5882	
1	31-Aug	14-Sep	14	-	-	-	150.80	-	-	-	297.30	10.58	17867.65	5312051.07	1991.70	2235	21918	1.2267	
2	31-Aug	14-Sep	14	-	-	-	153.30	-	-	-	300.50	10.78	18464.99	5548727.99	1942.79	2560	25105	1.3596	
3	31-Aug	14-Sep	14	-	-	-	149.70	-	-	-	297.80	10.32	17607.93	5243640.92	1968.10	2180	21379	1.2141	1.1636
4	31-Aug	14-Sep	14	-	-	-	149.90	-	-	-	300.10	10.52	17655.01	5298267.86	1985.55	1720	16868	0.9554	
5	31-Aug	14-Sep	14	-	-	-	150.20	-	-	-	299.60	10.40	17725.75	5310633.42	1958.34	1920	18829	1.0622	
1	07-Sep	04-Oct	28	151.80	151.50	151.00	151.43	299.00	300.10	299.40	299.50	10.24	18018.04	5396403.81	1897.56	2160	21182	1.1756	
2	07-Sep	04-Oct	28	148.40	151.20	147.40	149.00	300.50	301.00	300.40	300.63	10.06	17443.64	5244140.50	1918.33	2130	20888	1.1975	
3	07-Sep	04-Oct	28	149.00	148.90	148.60	148.83	299.40	299.90	299.30	299.53	9.98	17404.64	5213270.10	1914.35	1720	16868	0.9691	1.1440
4	07-Sep	04-Oct	28	148.50	149.60	148.90	149.00	302.00	301.40	301.10	301.50	9.98	17443.64	5259258.32	1897.61	2140	20986	1.2031	
5	07-Sep	04-Oct	28	150.80	151.10	151.50	151.13	299.40	300.00	299.00	299.47	10.20	17946.72	5374445.46	1897.87	2150	21084	1.1748	
1	02-Jul	27-Aug	56	150.43	150.46	150.26	150.38	298.99	299.46	297.82	298.76	10.38	17769.04	5308620.36	1955.31	3670	35991	2.0255	
2	02-Jul	27-Aug	56	150.16	149.60	150.20	149.99	298.85	298.68	299.90	299.14	10.36	17675.43	5287486.66	1959.34	3420	33539	1.8975	
3	02-Jul	27-Aug	56	150.60	151.12	151.33	151.02	300.16	299.28	300.48	299.97	10.70	17919.03	5375230.08	1990.61	4160	40796	2.2767	2.0765
4	02-Jul	27-Aug	56	149.72	148.96	150.97	149.88	298.78	297.82	299.66	298.75	10.26	17651.08	5273319.62	1945.64	3580	35108	1.9890	
5	02-Jul	27-Aug	56	150.58	151.36	151.20	151.05	299.74	300.12	299.38	299.75	10.48	17926.15	5373302.65	1950.38	4010	39325	2.1937	

PENGUJIAN KUAT TEKAN BENDA UJI VARIASI B

Kode	Tanggal			Diameter				Tinggi				Berat	Luas	V olume	BJ	Beban max.		f	f rerata
B	pembuatan	pengujian	Umur	1	2	3	rerata	1	2	3	rerata								
				mm	mm	mm	mm	mm	mm	mm	mm	kg	mm2	mm3	kg/m3	Kgf	N	Mpa	Mpa
1	10-Nov	17-Nov	7	150.10	151.00	151.00	150.70	302.00	301.00	300.80	301.27	11.18	17843.96	5375789.27	2079.69	3680	36089	2.0225	
2	10-Nov	17-Nov	7	150.80	150.70	150.20	150.57	302.00	300.10	302.20	301.43	11.10	17812.40	5369249.65	2067.33	3170	31087	1.7453	1.8929
3	10-Nov	17-Nov	7	150.80	150.90	150.60	150.77	301.60	300.90	300.00	300.83	11.10	17859.75	5372807.38	2065.96	3480	34127	1.9109	
1	02-Nov	16-Nov	14	150.30	151.80	150.60	150.90	299.40	301.50	300.50	300.47	10.82	17891.35	5375754.51	2012.74	6000	58840	3.2888	
2	02-Nov	16-Nov	14	151.20	151.40	151.10	151.23	301.10	301.20	300.40	300.90	10.86	17970.48	5407317.69	2008.39	6350	62273	3.4653	3.3242
3	02-Nov	16-Nov	14	154.50	150.20	152.90	152.53	303.30	300.40	301.70	301.80	10.98	18280.76	5517132.41	1990.16	6000	58840	3.2187	
1	09-Sep	06-Oct	28	150.00	150.80	150.50	150.43	300.40	300.70	301.10	300.73	10.76	17780.86	5347297.85	2012.23	10150	99538	5.5980	
2	09-Sep	06-Oct	28	151.20	150.30	150.90	150.80	300.30	300.80	300.20	300.43	10.86	17867.65	5368036.36	2023.09	9750	95615	5.3513	
3	09-Sep	06-Oct	28	150.40	149.70	150.00	150.03	301.70	301.60	301.20	301.50	10.88	17686.43	5332458.48	2040.33	9500	93164	5.2675	5.3952
4	09-Sep	06-Oct	28	151.70	150.60	151.20	151.17	299.70	301.00	300.20	300.30	10.84	17954.64	5391778.65	2010.47	9650	94635	5.2708	
5	09-Sep	06-Oct	28	151.00	150.50	150.90	150.80	300.90	300.40	301.30	300.87	10.80	17867.65	5375779.01	2009.01	10000	98067	5.4885	
1	03-Jul	28-Aug	56	151.64	151.12	150.52	151.09	300.62	301.36	301.68	301.22	11.14	17937.22	5403050.90	2061.80	11825	115964	6.4650	
2	03-Jul	28-Aug	56	151.64	150.12	151.18	150.98	301.18	301.25	301.72	301.38	11.14	17910.33	5397873.76	2063.78	10825	106158	5.9272	
3	03-Jul	28-Aug	56	151.08	150.85	151.40	151.11	301.42	302.69	302.12	302.08	11.12	17941.18	5419612.56	2051.81	9750	95615	5.3294	6.1867
4	03-Jul	28-Aug	56	150.02	151.86	151.26	151.05	301.94	301.74	302.16	301.95	11.40	17926.15	5412740.17	2106.14	12950	126997	7.0845	
5	03-Jul	28-Aug	56	150.43	150.32	150.35	150.37	301.25	300.08	302.26	301.20	11.12	17765.11	5350790.60	2078.20	11100	108854	6.1274	

PENGUJIAN KUAT TEKAN BENDA UJI VARIASI C

Kode	Tanggal			Diameter				Tinggi				Berat	Luas	V olume	BJ	Beban max.		f	f rerata
C	pembuatan	pengujian	Umur	1	2	3	rerata	1	2	3	rerata								
				mm	mm	mm	mm	mm	mm	mm	mm	kg	mm2	mm3	kg/m3	Kgf	N	Mpa	Mpa
1	10-Nov	17-Nov	7	150.10	149.80	150.50	150.13	301.70	301.30	301.60	301.53	11.12	17710.01	5340159.55	2082.33	5275	51730	2.9210	
2	10-Nov	17-Nov	7	150.20	150.40	150.30	150.30	300.80	299.90	300.90	300.53	11.30	17749.36	5334273.25	2118.38	4775	46827	2.6382	2.6168
3	10-Nov	17-Nov	7	150.00	149.90	149.80	149.90	300.30	301.60	300.80	300.90	11.22	17655.01	5312391.86	2112.04	4125	40453	2.2913	
1	02-Nov	16-Nov	14	150.65	150.25	150.50	150.47	300.20	300.70	300.20	300.37	11.12	17788.74	5343145.30	2081.17	12800	125526	7.0565	
2	02-Nov	16-Nov	14	151.20	150.25	150.95	150.80	302.50	302.00	300.75	301.75	11.12	17867.65	5391562.09	2062.48	11550	113268	6.3393	6.3862
3	02-Nov	16-Nov	14	151.50	151.25	149.65	150.80	301.40	301.00	301.20	301.20	11.08	17867.65	5381734.89	2058.82	10500	102970	5.7630	
1	14-Sep	12-Oct	28	150.20	150.60	150.70	150.50	300.80	300.30	300.50	300.53	11.00	17796.63	5348479.03	2056.66	15150	148572	8.3483	
2	14-Sep	12-Oct	28	150.80	151.00	150.00	150.60	301.00	300.60	300.70	300.77	11.16	17820.28	5359747.07	2082.19	15350	150533	8.4473	
3	14-Sep	12-Oct	28	151.20	151.30	149.80	150.77	301.50	301.20	301.60	301.43	11.26	17859.75	5383523.23	2091.57	15150	148572	8.3188	8.3723
4	14-Sep	12-Oct	28	150.20	150.30	150.30	150.27	300.50	300.80	301.50	300.93	11.16	17741.48	5339004.05	2090.28	15000	147101	8.2913	
5	14-Sep	12-Oct	28	150.40	149.90	149.80	150.03	301.85	301.30	301.35	301.50	11.22	17686.43	5332458.48	2104.10	15250	149552	8.4558	
1	25-May	20-Jul	56	151.68	150.76	151.02	151.15	301.33	301.56	303.40	302.10	11.34	17951.47	5423080.37	2091.06	14600	143178	7.9758	
2	25-May	20-Jul	56	151.32	151.20	151.66	151.39	302.54	302.72	302.90	302.72	11.42	18008.53	5451540.80	2094.82	18150	177992	9.8838	
3	25-May	20-Jul	56	150.70	150.68	150.94	150.77	304.86	303.36	303.54	303.92	11.42	17861.33	5428414.51	2103.75	13600	133371	7.4670	7.9762
4	25-May	20-Jul	56	150.21	150.64	150.90	150.58	302.80	304.82	302.78	303.47	11.36	17816.34	5406664.94	2101.11	13350	130920	7.3483	
5	25-May	20-Jul	56	150.82	150.88	151.06	150.92	301.46	304.76	304.72	303.65	11.40	17896.09	5434089.17	2097.87	13150	128958	7.2059	

PENGUJIAN KUAT TEKAN BENDA UJI VARIASI D

Kode	Tanggal			Diameter				Tinggi				Berat	Luas	V olume	BJ	Beban max.		f	f rerata
D	pembuatan	pengujian	Umur	1	2	3	rerata	1	2	3	rerata								
				mm	mm	mm	mm	mm	mm	mm	mm	kg	mm2	mm3	kg/m3	Kgf	N	Mpa	Mpa
1	10-Nov	17-Nov	7	150.90	150.30	150.00	150.40	299.50	298.70	299.90	299.37	10.76	17772.98	5320638.63	2022.31	7100	69628	3.9176	
2	10-Nov	17-Nov	7	149.60	150.00	150.90	150.17	299.60	299.30	299.50	299.47	10.62	17717.88	5305914.16	2001.54	7750	76002	4.2896	4.0572
3	10-Nov	17-Nov	7	149.70	150.50	149.90	150.03	298.50	298.00	299.00	298.50	10.62	17686.43	5279399.19	2011.59	7150	70118	3.9645	
1	01-Nov	15-Nov	14	150.90	151.70	150.90	151.17	300.70	301.00	300.65	300.78	11.40	17954.64	5400456.73	2110.93	18400	180443	10.0500	
2	01-Nov	15-Nov	14	151.00	151.86	151.50	151.45	301.80	301.20	300.40	301.13	11.40	18022.80	5427266.57	2100.50	18350	179953	9.9847	9.8945
3	01-Nov	15-Nov	14	151.30	150.50	151.50	151.10	300.50	301.90	301.30	301.23	11.42	17938.81	5403766.89	2113.34	17650	173088	9.6488	
1	14-Sep	12-Oct	28	150.00	150.30	150.40	150.23	301.30	302.10	301.00	301.47	11.48	17733.61	5346093.56	2147.36	21600	211825	11.9448	
2	14-Sep	12-Oct	28	150.90	150.80	151.70	151.13	303.20	300.00	302.50	301.90	11.50	17946.72	5418115.82	2122.51	18300	179463	9.9998	
3	14-Sep	12-Oct	28	150.90	151.10	150.70	150.90	301.30	300.70	299.40	300.47	11.52	17891.35	5375754.51	2142.95	19550	191721	10.7159	10.7948
4	14-Sep	12-Oct	28	151.10	151.25	151.00	151.12	302.10	302.45	301.40	301.98	11.38	17942.77	5418416.12	2100.24	19600	192212	10.7125	
5	14-Sep	12-Oct	28	151.20	148.70	148.80	149.57	302.70	302.50	302.80	302.67	11.36	17576.58	5319843.70	2135.40	19000	186327	10.6009	
1	19-May	14-Jul	56	149.14	149.68	149.81	149.54	302.82	302.30	302.68	302.60	11.58	17571.09	5317012.57	2177.91	12350	121113	6.8927	
2	19-May	14-Jul	56	151.90	151.20	151.04	151.38	302.12	302.20	302.60	302.31	11.56	18005.35	5443138.39	2123.77	20600	202018	11.2199	
3	19-May	14-Jul	56	150.08	149.88	150.65	150.20	302.22	301.76	301.66	301.88	11.50	17726.53	5351285.63	2149.02	21400	209864	11.8390	9.7113
4	19-May	14-Jul	56	152.24	151.28	152.66	152.06	301.90	302.62	302.12	302.21	11.88	18167.48	5490453.82	2163.76	19100	187308	10.3101	
5	19-May	14-Jul	56	151.20	148.42	151.08	150.23	304.85	303.04	302.96	303.62	11.66	17733.61	5384220.83	2165.59	15000	147101	8.2950	

PENGUJIAN KUAT TEKAN BENDA UJI VARIASI E

Kode	Tanggal			Diameter				Tinggi				Berat	Luas	V olume	BJ	Beban max.		f	f rerata
E	pembuatan	pengujian	Umur	1	2	3	rerata	1	2	3	rerata								
				mm	*mm*	*mm*	*mm*	*mm*	*mm*	*mm*	*mm*	*kg*	*mm2*	*mm3*	*kg/m3*	*Kgf*	*N*	*Mpa*	*Mpa*
1	03-Oct	10-Oct	7	150.50	151.10	150.75	150.78	300.25	300.55	300.25	300.35	11.94	17863.70	5365361.22	2225.39	19250	188779	10.5678	
2	03-Oct	10-Oct	7	150.50	150.90	151.10	150.83	301.70	300.00	300.00	300.57	11.98	17875.55	5372793.17	2229.75	18500	181424	10.1493	
3	03-Oct	10-Oct	7	151.10	150.40	150.15	150.55	300.40	300.60	300.20	300.40	12.00	17808.45	5349658.97	2243.13	17700	173579	9.7470	10.2975
4	03-Oct	10-Oct	7	150.00	150.40	150.40	150.27	300.30	300.25	300.20	300.25	11.90	17741.48	5326880.70	2233.95	18850	184856	10.4194	
5	03-Oct	10-Oct	7	151.30	151.60	151.60	151.50	300.00	299.90	300.25	300.05	12.06	18033.91	5411074.91	2228.76	19500	191231	10.6040	
1	07-Sep	04-Oct	14	151.50	153.80	149.80	151.70	301.80	301.90	301.00	301.57	12.06	18081.56	5452794.70	2211.71	310	310000	17.1445	
2	07-Sep	04-Oct	14	150.00	150.20	150.50	150.23	301.60	301.80	302.00	301.80	12.04	17733.61	5352004.77	2249.62	265	265000	14.9434	
3	07-Sep	04-Oct	14	150.70	150.20	150.50	150.47	299.40	300.40	298.90	299.57	11.90	17788.74	5328914.31	2233.10	310	310000	17.4268	16.7847
4	07-Sep	04-Oct	14	151.40	151.10	151.30	151.27	300.20	299.10	299.40	299.57	12.00	17978.40	5385730.41	2228.11	325	325000	18.0772	
5	07-Sep	04-Oct	14	150.50	150.20	150.30	150.33	299.90	300.40	300.60	300.30	11.96	17757.23	5332496.22	2242.85	290	290000	16.3314	
1	22-Sep	19-Oct	28	150.60	150.80	150.20	150.53	299.30	300.20	300.30	299.93	11.98	17804.51	5340165.79	2243.38	400	400000	22.4662	
2	22-Sep	19-Oct	28	151.80	150.10	152.20	151.37	299.20	300.40	300.50	300.03	12.08	18002.18	5401254.62	2236.52	335	335000	18.6089	
3	22-Sep	19-Oct	28	150.20	149.70	150.40	150.10	299.70	300.00	300.90	300.20	11.92	17702.15	5314185.64	2243.05	300	300000	16.9471	18.7424
4	22-Sep	19-Oct	28	150.30	149.90	150.70	150.30	301.20	300.20	301.10	300.83	12.02	17749.36	5339598.06	2251.11	320	320000	18.0288	
5	22-Sep	19-Oct	28	150.20	150.80	151.00	150.67	299.50	300.00	300.30	299.93	12.02	17836.06	5349629.98	2246.88	315	315000	17.6608	
1	01-Jun	27-Jul	56	154.87	149.90	153.80	152.86	302.96	302.16	302.80	302.64	12.24	18358.34	5555968.15	2203.04	27350	268214	14.6099	
2	01-Jun	27-Jul	56	150.62	150.20	152.92	151.25	301.29	302.94	302.06	302.10	12.10	17973.65	5429779.67	2228.45	27400	268704	14.9499	
3	01-Jun	27-Jul	56	149.32	150.22	150.82	150.12	302.48	302.94	303.32	302.91	11.86	17706.87	5363646.55	2211.18	25100	246148	13.9013	13.9712
4	01-Jun	27-Jul	56	151.30	149.80	151.02	150.71	303.35	302.90	303.12	303.12	11.96	17845.54	5409398.12	2210.97	21900	214767	12.0348	
5	01-Jun	27-Jul	56	151.42	151.38	151.64	151.48	302.10	301.60	302.46	302.05	12.06	18029.15	5445764.73	2214.57	26400	258897	14.3599	

PENGUJIAN KUAT TEKAN BENDA UJI VARIASI F

Kode	Tanggal		Umur	Diameter				Tinggi				Berat	Luas	V olume	BJ	Beban max.		f	f rerata
F	pembuatan	pengujian		1	2	3	rerata	1	2	3	rerata								
			7	mm	mm	mm	mm	mm	mm	mm	mm	kg	mm2	mm3	kg/m3	Kgf	N	Mpa	Mpa
1	10-Nov	17-Nov	7	149.50	149.80	150.70	150.00	302.20	301.30	301.00	301.50	11.98	17678.57	5330089.29	2247.62	2750	26968	1.5255	
2	10-Nov	17-Nov	7	149.10	150.20	150.40	149.90	301.20	300.90	300.30	300.80	10.96	17655.01	5310626.36	2063.79	2770	27165	1.5386	1.4889
3	10-Nov	17-Nov	7	150.90	151.00	150.90	150.93	300.80	300.80	301.00	300.87	11.06	17899.26	5385289.45	2053.74	2560	25105	1.4026	
1	02-Nov	16-Nov	14	150.00	151.20	150.00	150.40	300.00	300.50	300.10	300.20	11.88	17772.98	5335449.45	2226.62	2670	26184	1.4732	
2	02-Nov	16-Nov	14	150.20	149.90	151.50	150.53	301.00	300.90	300.80	300.90	11.44	17804.51	5357376.82	2135.37	2850	27949	1.5698	1.5241
3	02-Nov	16-Nov	14	150.90	150.00	151.00	150.63	300.90	300.10	300.70	300.57	11.60	17828.17	5358554.32	2164.76	2780	27263	1.5292	
1	21-Sep	18-Oct	28	150.10	150.25	150.10	150.15	301.70	301.10	301.30	301.37	11.44	17713.95	5338392.93	2142.97	3545	34765	1.9626	
2	21-Sep	18-Oct	28	150.40	151.30	150.80	150.83	299.50	301.00	299.90	300.13	11.44	17875.55	5365047.10	2132.32	3990	39129	2.1890	
3	21-Sep	18-Oct	28	150.70	151.40	150.70	150.93	301.20	301.60	302.50	301.77	11.48	17899.26	5401398.78	2125.38	3430	33637	1.8792	2.0299
4	21-Sep	18-Oct	28	150.20	150.30	150.10	150.20	300.00	301.20	299.90	300.37	11.50	17725.75	5324223.15	2159.94	3590	35206	1.9862	
5	21-Sep	18-Oct	28	150.00	149.90	150.15	150.02	300.10	300.00	299.85	299.98	11.44	17682.50	5304455.36	2156.68	3845	37707	2.1324	
1	30-May	31-Jul	56	150.13	149.95	149.14	149.74	305.82	305.36	305.92	305.70	10.98	17617.34	5385620.48	2038.76	3900	38246	2.1709	
2	30-May	31-Jul	56	150.40	150.08	151.56	150.68	304.94	304.54	305.30	304.93	11.08	17839.22	5439654.03	2036.89	3250	31872	1.7866	
3	30-May	31-Jul	56	150.02	149.63	150.74	150.13	303.80	303.32	303.34	303.49	10.92	17709.23	5374514.44	2031.81	4120	40404	2.2815	2.1032
4	30-May	31-Jul	56	150.05	150.18	150.04	150.09	302.44	301.98	303.22	302.55	10.86	17699.79	5355013.09	2028.01	4400	43150	2.4379	
5	30-May	31-Jul	56	150.80	151.32	150.22	150.78	303.52	300.72	302.11	302.12	10.86	17862.91	5396681.80	2012.35	3350	32852	1.8391	

PENGUJIAN KUAT TEKAN BENDA UJI VARIASI G

Kode	Tanggal			Diameter				Tinggi				Berat	Luas	V olume	BJ	Beban max.		f	f rerata
G	pembuatan	pengujian	Umur	1	2	3	rerata	1	2	3	rerata								
				mm	mm	mm	mm	mm	mm	mm	mm	kg	mm2	mm3	kg/m3	Kgf	N	Mpa	Mpa
1	10-Nov	17-Nov	7	150.70	151.00	151.40	151.03	300.80	301.30	299.70	300.60	11.10	17922.98	5387648.34	2060.27	4110	40306	2.2488	
2	10-Nov	17-Nov	7	150.50	151.60	150.60	150.90	299.40	300.30	299.20	299.63	11.10	17891.35	5360845.05	2070.57	3790	37167	2.0774	2.1783
3	10-Nov	17-Nov	7	150.80	150.20	150.60	150.53	301.60	300.00	301.40	301.00	10.88	17804.51	5359157.27	2030.17	4010	39325	2.2087	
1	02-Nov	16-Nov	14	150.90	151.00	151.20	151.03	300.20	300.10	299.95	300.08	11.00	17922.98	5378388.13	2045.22	5250	51485	2.8726	
2	02-Nov	16-Nov	14	150.00	150.20	149.80	150.00	299.50	300.00	300.60	300.03	11.20	17678.57	5304160.71	2111.55	5300	51976	2.9400	3.0404
3	02-Nov	16-Nov	14	150.60	150.80	149.95	150.45	300.10	300.25	300.50	300.28	11.30	17784.80	5340479.62	2115.91	6000	58840	3.3085	
1	22-Sep	19-Oct	28	150.00	151.00	149.90	150.30	300.00	300.10	301.20	300.43	10.70	17749.36	5332498.32	2006.56	7700	75512	4.2543	
2	22-Sep	19-Oct	28	151.05	151.55	151.60	151.40	300.60	300.65	301.00	300.75	10.80	18010.11	5416541.01	1993.89	7825	76738	4.2608	
3	22-Sep	19-Oct	28	150.75	150.30	150.70	150.58	300.75	300.90	300.70	300.78	10.72	17816.34	5358857.77	2000.43	7450	73060	4.1007	4.1987
4	22-Sep	19-Oct	28	150.00	150.10	149.85	149.98	300.20	300.10	299.90	300.07	10.64	17674.64	5303571.23	2006.20	7400	72570	4.1059	
5	22-Sep	19-Oct	28	150.20	150.50	150.00	150.23	300.00	301.00	300.05	300.35	10.76	17733.61	5326291.03	2020.17	7725	75757	4.2719	
1	20-May	15-Jul	56	150.58	150.48	150.68	150.58	301.87	302.82	302.60	302.43	11.08	17815.55	5387956.80	2056.44	13550	132881	7.4587	
2	20-May	15-Jul	56	150.92	150.66	150.72	150.77	302.39	302.30	301.53	302.07	11.08	17859.75	5394953.47	2053.77	12750	125036	7.0010	
3	20-May	15-Jul	56	150.02	152.06	152.07	151.38	301.20	301.17	302.23	301.53	11.20	18006.15	5429453.35	2062.82	13950	136804	7.5976	7.4992
4	20-May	15-Jul	56	150.98	149.56	150.24	150.26	301.18	301.72	302.08	301.66	11.06	17739.91	5351421.33	2066.74	14000	137294	7.7393	
5	20-May	15-Jul	56	150.20	150.02	151.72	150.65	301.95	301.47	301.54	301.65	11.14	17831.33	5378879.70	2071.06	14000	137294	7.6996	

PENGUJIAN KUAT TEKAN BENDA UJI VARIASI H

Kode	Tanggal			Diameter				Tinggi				Berat	Luas	V olume	BJ	Beban max.		f	f rerata
H	pembuatan	pengujian	Umur	1	2	3	rerata	1	2	3	rerata								
				mm	mm	mm	mm	mm	mm	mm	mm	kg	mm2	mm3	kg/m3	Kgf	N	Mpa	Mpa
1	10-Nov	17-Nov	14	150.40	149.60	150.00	150.00	303.20	301.70	302.30	302.40	10.90	17678.57	5346000.00	2038.91	10650	104441	5.9078	
2	10-Nov	17-Nov	14	150.30	148.60	149.90	149.60	301.00	301.50	300.90	301.13	10.70	17584.41	5295252.43	2020.68	9200	90222	5.1308	5.1840
3	10-Nov	17-Nov	14	149.20	148.80	151.00	149.67	301.00	300.90	300.40	300.77	10.66	17600.09	5293519.59	2013.78	8100	79434	4.5133	
1	01-Nov	15-Nov	7	150.75	151.60	151.30	151.22	302.40	301.75	300.50	301.55	10.74	17966.52	5417804.17	1982.35	10050	98557	5.4856	
2	01-Nov	15-Nov	7	150.00	150.50	150.85	150.45	301.30	301.90	301.65	301.62	10.72	17784.80	5364192.69	1998.44	12800	125526	7.0580	6.2541
3	01-Nov	15-Nov	7	150.10	150.20	150.50	150.27	301.30	300.7.	300.10	300.70	11.78	17741.48	5334864.37	2208.12	11250	110325	6.2185	
1	14-Sep	12-Oct	28	151.30	150.90	151.20	151.13	300.10	301.80	300.50	300.80	11.26	17946.72	5398374.43	2085.81	12900	126507	7.0490	
2	14-Sep	12-Oct	28	151.00	151.60	151.50	151.37	300.00	301.20	300.50	300.57	11.30	18002.18	5410855.78	2088.39	13500	132391	7.3541	
3	14-Sep	12-Oct	28	151.60	150.40	151.00	151.00	300.60	301.40	300.70	300.90	11.26	17915.07	5390644.99	2088.80	11350	111306	6.2130	6.9844
4	14-Sep	12-Oct	28	150.80	150.90	151.95	151.22	300.80	299.45	300.40	300.22	11.26	17966.52	5393848.81	2087.56	13350	130920	7.2869	
5	14-Sep	12-Oct	28	149.90	150.05	150.00	149.98	303.10	302.70	302.80	302.87	11.30	17674.64	5353060.23	2110.94	12650	124055	7.0188	
1	04-Jul	29-Aug	56	150.96	152.63	151.47	151.69	303.50	300.83	303.62	302.65	11.38	18078.38	5471421.13	2079.90	10050	98557	5.4517	
2	04-Jul	29-Aug	56	150.55	149.96	150.75	150.42	303.47	303.81	302.89	303.39	11.24	17777.71	5393579.45	2083.96	12500	122584	6.8954	
3	04-Jul	29-Aug	56	150.93	150.68	151.88	151.16	303.82	303.23	302.03	303.03	11.34	17953.85	5440495.03	2084.37	18750	183876	10.2416	8.0230
4	04-Jul	29-Aug	56	151.90	152.40	152.50	152.27	302.61	302.26	301.68	302.18	11.44	18216.89	5504841.74	2078.17	15500	152004	8.3441	
5	04-Jul	29-Aug	56	150.48	150.99	150.52	150.66	303.13	303.02	302.53	302.89	11.36	17835.27	5402185.68	2102.85	16700	163772	9.1825	

PENGUJIAN KUAT TEKAN BENDA UJI VARIASI I

Kode	Tanggal			Diameter				Tinggi				Berat	Luas	V olume	BJ	Beban max.		f	f rerata
I	pembuatan	pengujian	Umur	1	2	3	rerata	1	2	3	rerata								
				mm	mm	mm	mm	mm	mm	mm	mm	kg	mm2	mm3	kg/m3	Kgf	N	Mpa	Mpa
1	10-Nov	17-Nov	7	150.10	150.80	150.80	150.57	300.80	300.10	300.50	300.47	11.44	17812.40	5352031.00	2137.51	19100	187308	10.5156	
2	10-Nov	17-Nov	7	150.30	151.80	150.40	150.83	301.10	300.20	302.00	301.10	11.54	17875.55	5382326.79	2144.05	16900	165733	9.2715	9.6855
3	10-Nov	17-Nov	7	150.60	150.75	151.20	150.85	300.95	301.05	301.50	301.17	11.56	17879.50	5384708.29	2146.82	16900	165733	9.2695	
1	02-Nov	16-Nov	14	151.00	150.80	151.40	151.07	300.30	299.50	299.00	299.60	11.48	17930.89	5372095.83	2136.97	16900	165733	9.2429	
2	02-Nov	16-Nov	14	150.00	150.20	150.30	150.17	301.00	300.80	301.30	301.03	11.48	17717.88	5333672.17	2152.36	21700	212806	12.0108	10.7467
3	02-Nov	16-Nov	14	151.50	151.10	151.30	151.30	300.70	300.60	301.60	300.97	11.66	17986.33	5413285.14	2153.96	20150	197605	10.9864	
1	14-Sep	12-Oct	28	150.20	150.80	151.10	150.70	301.85	301.50	302.50	301.95	11.49	17843.96	5387982.64	2132.52	21900	214767	12.0358	
2	14-Sep	12-Oct	28	149.90	149.80	149.40	149.70	300.10	300.30	300.20	300.20	11.34	17607.93	5285899.94	2145.33	21000	205941	11.6959	
3	14-Sep	12-Oct	28	151.85	151.60	149.90	151.12	303.80	304.40	303.80	304.00	11.58	17942.77	5454600.70	2122.98	19800	194173	10.8218	11.0153
4	14-Sep	12-Oct	28	150.50	150.50	150.15	150.38	302.00	301.90	302.85	302.25	11.48	17769.04	5370693.56	2137.53	19100	187308	10.5413	
5	14-Sep	12-Oct	28	150.70	150.50	150.75	150.65	300.90	300.40	302.00	301.10	11.36	17832.12	5369250.63	2115.75	18150	177992	9.9815	
1	16-May	11-Jul	56	151.82	151.73	151.90	151.82	302.96	301.82	301.48	302.09	11.62	18109.38	5470601.87	2124.08	19300	189270	10.4515	
2	16-May	11-Jul	56	152.02	152.04	152.09	152.05	302.63	301.43	301.72	301.93	11.78	18165.09	5484524.37	2147.86	17800	174559	9.6096	
3	16-May	11-Jul	56	150.16	151.84	151.64	151.21	302.16	302.16	301.84	302.05	11.62	17965.73	5426608.07	2141.30	25000	245168	13.6464	11.3688
4	16-May	11-Jul	56	151.20	149.52	151.84	150.85	302.22	302.22	303.95	302.80	11.50	17880.29	5414091.13	2124.09	22500	220651	12.3405	
5	16-May	11-Jul	56	150.56	151.82	151.74	151.37	303.72	303.28	302.53	303.18	11.56	18003.77	5458322.25	2117.87	19820	194369	10.7960	

PENGUJIAN KUAT TEKAN BENDA UJI VARIASI J

Kode	Tanggal			Diameter				Tinggi				Berat	Luas	V olume	BJ	Beban max.		f	f rerata
J	pembuatan	pengujian	Umur	1	2	3	rerata	1	2	3	rerata								
				mm	mm	mm	mm	mm	mm	mm	mm	kg	mm2	mm3	kg/m3	Kgf	N	Mpa	Mpa
1	22-Sep	29-Sep	7	150.10	149.60	151.40	150.37	302.20	302.00	302.40	302.20	12.16	17765.11	5368614.92	2265.02	22650	222122	12.5033	
2	22-Sep	29-Sep	7	151.00	150.70	151.10	150.93	301.80	302.00	301.80	301.87	12.18	17899.26	5403188.71	2254.22	20500	201038	11.2316	
3	22-Sep	29-Sep	7	150.75	151.30	150.20	150.75	299.40	299.80	301.40	300.20	12.04	17855.80	5360310.89	2246.14	16300	159849	8.9522	11.4028
4	22-Sep	29-Sep	7	150.10	150.50	150.20	150.27	300.80	301.00	301.20	301.00	12.00	17741.48	5340186.82	2247.11	21750	213296	12.0224	
5	22-Sep	29-Sep	7	149.80	150.40	150.50	150.23	300.90	300.70	300.50	300.70	12.00	17733.61	5332497.79	2250.35	22250	218199	12.3043	
1	09-Sep	06-Oct	14	151.80	151.30	151.70	151.60	301.00	301.50	300.60	301.03	12.16	18057.73	5435977.36	2236.95	255	255000	14.1214	
2	09-Sep	06-Oct	14	149.70	150.10	149.00	149.60	303.30	303.20	304.60	303.70	12.02	17584.41	5340385.75	2250.77	245	245000	13.9328	
3	09-Sep	06-Oct	14	150.20	151.30	150.70	150.73	300.80	301.40	300.60	300.93	12.06	17851.85	5372217.06	2244.88	235	235000	13.1639	13.1868
4	09-Sep	06-Oct	14	149.90	150.50	150.40	150.27	300.50	300.60	300.90	300.67	12.02	17741.48	5334272.99	2253.35	240	240000	13.5276	
5	09-Sep	06-Oct	14	150.30	151.30	150.90	150.83	301.20	301.50	300.60	301.10	11.98	17875.55	5382326.79	2225.80	200	200000	11.1885	
1	22-Sep	19-Oct	28	150.60	151.40	151.10	151.03	299.60	298.40	299.20	299.07	12.02	17922.98	5360166.43	2242.47	380	380000	21.2018	
2	22-Sep	19-Oct	28	150.20	150.50	150.30	150.33	301.40	300.80	301.10	301.10	12.02	17757.23	5346702.00	2248.11	340	340000	19.1471	
3	22-Sep	19-Oct	28	150.80	151.10	150.90	150.93	301.50	300.50	301.30	301.10	12.08	17899.26	5389465.94	2241.41	405	405000	22.6266	20.6331
4	22-Sep	19-Oct	28	150.40	150.80	150.60	150.60	299.20	299.60	300.00	299.60	12.06	17820.28	5338956.74	2258.87	410	410000	23.0075	
5	22-Sep	19-Oct	28	151.60	151.30	151.70	151.53	299.90	299.90	300.00	299.93	12.14	18041.85	5411351.40	2243.43	310	310000	17.1823	
1	25-May	20-Jul	56	151.88	151.27	150.88	151.34	302.11	301.16	300.84	301.37	12.00	17996.63	5423645.03	2212.53	42828	420000	23.3377	
2	25-May	20-Jul	56	150.76	150.73	150.46	150.65	302.88	302.65	303.51	303.01	12.00	17832.12	5403369.42	2220.84	37219	365000	20.4687	
3	25-May	20-Jul	56	153.50	152.82	152.24	152.85	301.93	301.77	301.82	301.84	11.92	18357.54	5541039.80	2151.22	33650	330000	17.9763	21.3780
4	25-May	20-Jul	56	152.45	151.41	150.76	151.54	303.03	302.01	301.29	302.11	11.42	18043.43	5451102.10	2094.99	40788	400000	22.1687	
5	25-May	20-Jul	56	151.75	151.50	151.98	151.74	301.78	302.83	302.31	302.31	12.15	18091.89	5469298.34	2221.49	42318	415000	22.9385	

MODULUS ELASTISITAS BENDA UJI

Kode	f'c (Mpa)	E (Mpa)	Rerata (Mpa)	Kode	f'c (Mpa)	E (Mpa)	Rerata (Mpa)
7A3	0.61201	0.00000		7F1	1.52549	3909.62039	
7A4	0.63498	0.00000	0.00000	7F2	1.53863	2875.23706	3556.03698
7A5	0.58820	0.00000		7F3	1.40258	3883.25347	
14A1	1.22669	2630.57279		14F1	1.47324	4027.11433	
14A2	1.35961	0.00000	876.85760	14F2	1.56978	5336.89168	4703.45506
14A3	1.21415	0.00000		14F3	1.52919	4746.35917	
28A2	1.19747	0.00003		28F1	1.96257	7307.46019	
28A4	1.20309	0.00000	0.00001	28F2	2.18896	5801.42606	5919.75681
28A5	1.17483	0.00000		28F3	1.87924	4650.38417	
56A1	2.02547	0.00000		56F1	2.17094	5001.91565	
56A3	2.27668	6587.74932	4248.64359	56F3	2.28150	11500.69690	8082.50764
56A5	2.19372	6158.18144		56F5	1.83915	7744.91035	
7B1	2.02246	8391.23160		7G1	2.24882	2277.56792	
7B2	1.74526	3932.56029	6184.11444	7G2	2.07740	2502.86294	4405.24796
7B3	1.91085	6228.55144		7G3	2.20870	8435.31301	
14B1	3.28875	9650.36283		14G1	2.87258	4618.15548	
14B2	3.46527	3911.05244	6496.09402	14G2	2.94003	3975.22817	4049.24813
14B3	3.21870	5926.86679		14G3	3.30846	3554.36075	
28B1	5.59805	7643.66293		28G1	4.25433	8156.12604	
28B2	5.35132	7266.59347	7892.26614	28G2	4.26080	7493.53547	7343.08507
28B3	5.26753	8766.54203		28G3	4.10073	6379.59371	
56B1	6.46501	9637.29960		56G3	7.59761	6978.08969	
56B4	7.08445	6377.41515	10068.29033	56G4	7.73927	9083.86316	7654.91050
56B5	6.12743	14190.15622		56G5	7.69959	6902.77865	
7C1	2.92097	8291.68989		7H1	5.90780	6478.23998	
7C2	2.63824	9001.08578	7762.21754	7H2	5.13078	6757.65269	6374.83916
7C3	2.29129	5993.87694		7H3	4.51329	5888.62480	
14C1	7.05648	12137.26075		14H1	5.48562	7007.30657	
14C2	6.33925	6647.45357	13077.27960	14H2	7.05804	8994.04858	8239.38989
14C3	5.76296	20447.12449		14H3	6.21850	8716.81451	
28C1	8.34831	11786.94763		28H1	7.04901	14644.55513	
28C2	8.44728	7603.98365	9779.14615	28H2	7.35414	14106.81647	13796.34932
28C3	8.31880	9946.50717		28H3	6.21299	12637.67637	
56C1	7.97583	10410.90296		56H3	10.24158	14092.35705	
56C4	7.34829	12549.19347	11871.10686	56H4	8.34412	7720.14984	12310.25095
56C5	7.20594	12653.22414		56H5	9.18248	15118.24597	
7D1	3.91761	5497.24008		7I1	11.53414	11046.83581	
7D2	4.28957	4396.21019	5120.05220	7I2	11.79512	12294.63802	11960.44208
7D3	3.96451	5466.70634		7I3	12.53298	12539.85242	
14D1	10.04996	12101.90278		14I1	9.24290	9802.40122	
14D2	9.98475	13465.20020	12915.48687	14I2	12.01078	10643.47141	10518.20889
14D3	9.64883	13179.35764		14I3	10.98641	11108.75405	
28D1	11.94483	11308.59703		28I1	10.49701	9790.00775	
28D2	9.99975	10250.80390	11030.50770	28I4	9.82379	12018.12415	11791.07068
28D3	10.71586	11532.12217		28I5	9.98153	13565.08015	
56D1	6.89273	12231.94684		56I3	13.64641	12481.43714	
56D2	11.21990	17479.23548	15642.96145	56I4	12.34046	14099.40786	11949.31757
56D3	11.83895	17217.70204		56I5	10.79602	9267.10772	

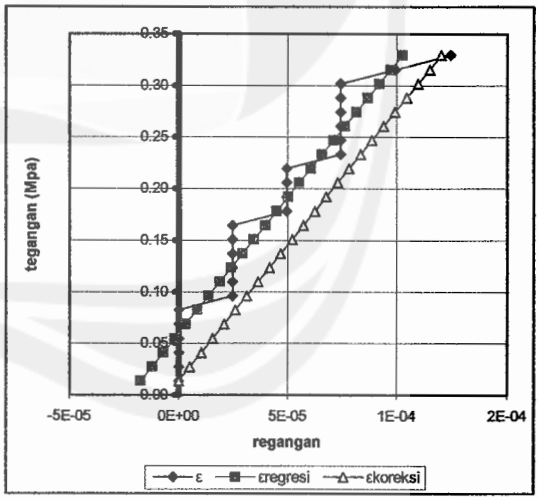
MODULUS ELASTISITAS BENDA UJI

Kode	f'c (Mpa)	E (Mpa)	Rerata (Mpa)	Kode	f'c (Mpa)	E (Mpa)	Rerata (Mpa)
7E1	10.56776	9347.03664	8554.85579	7J1	12.50327	12399.08880	12929.52742
7E2	10.14929	8940.29610		7J4	12.02244	13836.61383	
7E3	9.74699	7377.23464		7J5	12.30428	12552.87961	
14E1	17.14454	14481.72076	13833.17573	14J1	14.12138	10804.17980	10567.98971
14E3	17.42675	14240.79034		14J4	13.52762	10434.77735	
14E4	18.07724	12777.01610		14J5	11.18847	10465.01197	
28E1	22.46622	12635.80084	14770.43102	28J2	19.14713	12132.97917	14676.53299
28E2	18.60886	17192.70450		28J3	22.62664	16904.34522	
28E4	18.02882	14482.78772		28J4	23.00749	14992.27457	
56E1	14.60990	17088.59690	14740.06667	56J3	17.97627	16523.04124	18535.78830
56E3	13.90130	15403.65794		56J4	22.16873	15837.09320	
56E4	12.03477	11727.94516		56J5	22.93846	23247.23046	

TABEL DAN GRAFIK TEGANGAN-REGANGAN

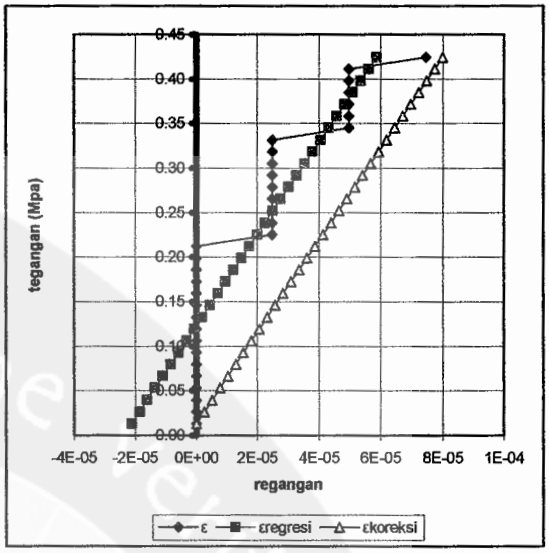
kode sampel:		14A1
d (mm)	P_O (mm)	A_O (mm^2)
150.8	201.4	17867.65

Beban (kgf)	Beban (N)	Δp (mm) 10^{-2}	0.5Δp (mm) 10^{-2}	f (MPa) y	ε x	$\varepsilon_{regresi}$	$\varepsilon_{koreksi}$
25	245.17	0	0.0	0.0137	0.00000000	-1.757E-05	0.000E+00
50	490.34	0	0.0	0.0274	0.00000000	-1.236E-05	5.216E-06
75	735.50	0	0.0	0.0412	0.00000000	-7.141E-06	1.043E-05
100	980.67	0	0.0	0.0549	0.00000000	-1.925E-06	1.565E-05
125	1225.84	0	0.0	0.0686	0.00000000	3.291E-06	2.086E-05
150	1471.01	0	0.0	0.0823	0.00000000	8.507E-06	2.608E-05
175	1716.17	1	0.5	0.0960	0.00002483	1.372E-05	3.130E-05
200	1961.34	1	0.5	0.1098	0.00002483	1.894E-05	3.651E-05
225	2206.51	1	0.5	0.1235	0.00002483	2.416E-05	4.173E-05
250	2451.68	1	0.5	0.1372	0.00002483	2.937E-05	4.694E-05
275	2696.85	1	0.5	0.1509	0.00002483	3.459E-05	5.216E-05
300	2942.01	1	0.5	0.1647	0.00002483	3.980E-05	5.738E-05
325	3187.18	2	1.0	0.1784	0.00004965	4.502E-05	6.259E-05
350	3432.35	2	1.0	0.1921	0.00004965	5.024E-05	6.781E-05
375	3677.52	2	1.0	0.2058	0.00004965	5.545E-05	7.303E-05
400	3922.68	2	1.0	0.2195	0.00004965	6.067E-05	7.824E-05
425	4167.85	3	1.5	0.2333	0.00007448	6.588E-05	8.346E-05
450	4413.02	3	1.5	0.2470	0.00007448	7.110E-05	8.867E-05
475	4658.19	3	1.5	0.2607	0.00007448	7.632E-05	9.389E-05
500	4903.36	3	1.5	0.2744	0.00007448	8.153E-05	9.911E-05
525	5148.52	3	1.5	0.2881	0.00007448	8.675E-05	1.043E-04
550	5393.69	3	1.5	0.3019	0.00007448	9.196E-05	1.095E-04
575	5638.86	4	2.0	0.3156	0.00009930	9.718E-05	1.148E-04
600	5884.03	5	2.5	0.3293	0.00012413	1.024E-04	1.200E-04



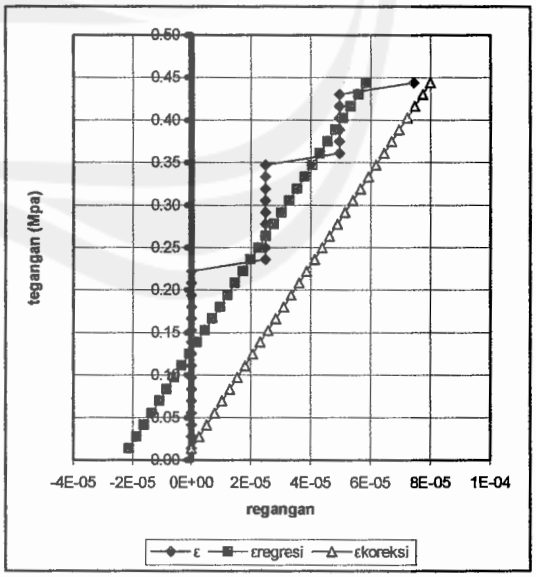
kode sampel:		14A2
d (mm)	P_O (mm)	A_O (mm^2)
153.3	201.6	18464.99

Beban (kgf)	Beban (N)	Δp (mm) 10^{-2}	0.5Δp (mm) 10^{-2}	f (MPa)	ε	$\varepsilon_{regresi}$	$\varepsilon_{koreksi}$
25	245.17	0	0.0	0.0133	0.00000000	-2.134E-05	0.000E+00
50	490.34	0	0.0	0.0266	0.00000000	-1.876E-05	2.577E-06
75	735.50	0	0.0	0.0398	0.00000000	-1.619E-05	5.154E-06
100	980.67	0	0.0	0.0531	0.00000000	-1.361E-05	7.730E-06
125	1225.84	0	0.0	0.0664	0.00000000	-1.103E-05	1.031E-05
150	1471.01	0	0.0	0.0797	0.00000000	-8.455E-06	1.288E-05
175	1716.17	0	0.0	0.0929	0.00000000	-5.878E-06	1.546E-05
200	1961.34	0	0.0	0.1062	0.00000000	-3.302E-06	1.804E-05
225	2206.51	0	0.0	0.1195	0.00000000	-7.247E-07	2.061E-05
250	2451.68	0	0.0	0.1328	0.00000000	1.852E-06	2.319E-05
275	2696.85	0	0.0	0.1461	0.00000000	4.429E-06	2.577E-05
300	2942.01	0	0.0	0.1593	0.00000000	7.006E-06	2.834E-05
325	3187.18	0	0.0	0.1726	0.00000000	9.582E-06	3.092E-05
350	3432.35	0	0.0	0.1859	0.00000000	1.216E-05	3.350E-05
375	3677.52	0	0.0	0.1992	0.00000000	1.474E-05	3.608E-05
400	3922.68	0	0.0	0.2124	0.00000000	1.731E-05	3.865E-05
425	4167.85	1	0.5	0.2257	0.00002480	1.989E-05	4.123E-05
450	4413.02	1	0.5	0.2390	0.00002480	2.247E-05	4.381E-05
475	4658.19	1	0.5	0.2523	0.00002480	2.504E-05	4.638E-05
500	4903.36	1	0.5	0.2655	0.00002480	2.762E-05	4.896E-05
525	5148.52	1	0.5	0.2788	0.00002480	3.020E-05	5.154E-05
550	5393.69	1	0.5	0.2921	0.00002480	3.277E-05	5.411E-05
575	5638.86	1	0.5	0.3054	0.00002480	3.535E-05	5.669E-05
600	5884.03	1	0.5	0.3187	0.00002480	3.793E-05	5.927E-05
625	6129.19	1	0.5	0.3319	0.00002480	4.050E-05	6.184E-05
650	6374.36	2	1.0	0.3452	0.00004960	4.308E-05	6.442E-05
675	6619.53	2	1.0	0.3585	0.00004960	4.566E-05	6.700E-05
700	6864.70	2	1.0	0.3718	0.00004960	4.823E-05	6.957E-05
725	7109.86	2	1.0	0.3850	0.00004960	5.081E-05	7.215E-05
750	7355.03	2	1.0	0.3983	0.00004960	5.339E-05	7.473E-05
775	7600.20	2	1.0	0.4116	0.00004960	5.596E-05	7.730E-05
800	7845.37	3	1.5	0.4249	0.00007440	5.854E-05	7.988E-05



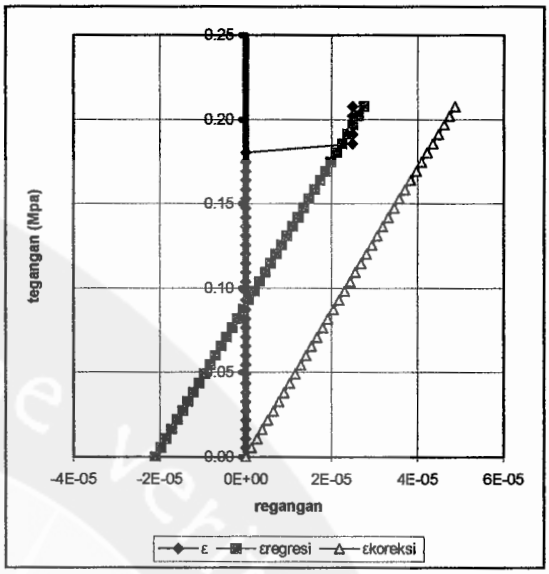
kode sampel:		14A3
d (mm)	P_O (mm)	A_O (mm^2)
149.9	201.7	17655.01

Beban (kgf)	Beban (N)	Δp (mm) 10^{-2}	0.5Δp (mm) 10^{-2}	f (MPa)	ε	$\varepsilon_{regresi}$	$\varepsilon_{koreksi}$
25	245.17	0	0.0	0.0139	0.00000000	-2.133E-05	0.000E+00
50	490.34	0	0.0	0.0278	0.00000000	-1.875E-05	2.576E-06
75	735.50	0	0.0	0.0417	0.00000000	-1.618E-05	5.151E-06
100	980.67	0	0.0	0.0555	0.00000000	-1.360E-05	7.727E-06
125	1225.84	0	0.0	0.0694	0.00000000	-1.103E-05	1.030E-05
150	1471.01	0	0.0	0.0833	0.00000000	-8.451E-06	1.288E-05
175	1716.17	0	0.0	0.0972	0.00000000	-5.875E-06	1.545E-05
200	1961.34	0	0.0	0.1111	0.00000000	-3.300E-06	1.803E-05
225	2206.51	0	0.0	0.1250	0.00000000	-7.244E-07	2.060E-05
250	2451.68	0	0.0	0.1389	0.00000000	1.851E-06	2.318E-05
275	2696.85	0	0.0	0.1528	0.00000000	4.427E-06	2.576E-05
300	2942.01	0	0.0	0.1666	0.00000000	7.002E-06	2.833E-05
325	3187.18	0	0.0	0.1805	0.00000000	9.578E-06	3.091E-05
350	3432.35	0	0.0	0.1944	0.00000000	1.215E-05	3.348E-05
375	3677.52	0	0.0	0.2083	0.00000000	1.473E-05	3.606E-05
400	3922.68	0	0.0	0.2222	0.00000000	1.730E-05	3.863E-05
425	4167.85	1	0.5	0.2361	0.00002479	1.988E-05	4.121E-05
450	4413.02	1	0.5	0.2500	0.00002479	2.246E-05	4.378E-05
475	4658.19	1	0.5	0.2638	0.00002479	2.503E-05	4.636E-05
500	4903.36	1	0.5	0.2777	0.00002479	2.761E-05	4.893E-05
525	5148.52	1	0.5	0.2916	0.00002479	3.018E-05	5.151E-05
550	5393.69	1	0.5	0.3055	0.00002479	3.276E-05	5.409E-05
575	5638.86	1	0.5	0.3194	0.00002479	3.533E-05	5.666E-05
600	5884.03	1	0.5	0.3333	0.00002479	3.791E-05	5.924E-05
625	6129.19	1	0.5	0.3472	0.00002479	4.048E-05	6.181E-05
650	6374.36	2	1.0	0.3611	0.00004958	4.306E-05	6.439E-05
675	6619.53	2	1.0	0.3749	0.00004958	4.563E-05	6.696E-05
700	6864.70	2	1.0	0.3888	0.00004958	4.821E-05	6.954E-05
725	7109.86	2	1.0	0.4027	0.00004958	5.079E-05	7.211E-05
750	7355.03	2	1.0	0.4166	0.00004958	5.336E-05	7.469E-05
775	7600.20	2	1.0	0.4305	0.00004958	5.594E-05	7.727E-05
800	7845.37	3	1.5	0.4444	0.00007437	5.851E-05	7.984E-05



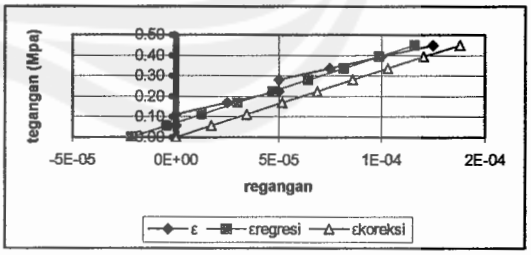
kode sampel:		7A3
d (mm)	P_O (mm)	A_O (mm^2)
151.13	200.5	17945.93

Beban (kgf)	Beban (N)	?p (mm) 10^{-2}	0.5?p (mm) 10^{-2}	f (MPa)	ε	$\varepsilon_{regresi}$	$\varepsilon_{koreksi}$
0	0.00	0	0.0	0.0000	0.00000000	-2.110E-05	0.000E+00
10	98.07	0	0.0	0.0055	0.00000000	-1.982E-05	1.279E-06
20	196.13	0	0.0	0.0109	0.00000000	-1.854E-05	2.558E-06
30	294.20	0	0.0	0.0164	0.00000000	-1.726E-05	3.837E-06
40	392.27	0	0.0	0.0219	0.00000000	-1.599E-05	5.115E-06
50	490.34	0	0.0	0.0273	0.00000000	-1.471E-05	6.394E-06
60	588.40	0	0.0	0.0328	0.00000000	-1.343E-05	7.673E-06
70	686.47	0	0.0	0.0383	0.00000000	-1.215E-05	8.952E-06
80	784.54	0	0.0	0.0437	0.00000000	-1.087E-05	1.023E-05
90	882.60	0	0.0	0.0492	0.00000000	-9.591E-06	1.151E-05
100	980.67	0	0.0	0.0546	0.00000000	-8.313E-06	1.279E-05
110	1078.74	0	0.0	0.0601	0.00000000	-7.034E-06	1.407E-05
120	1176.81	0	0.0	0.0656	0.00000000	-5.755E-06	1.535E-05
130	1274.87	0	0.0	0.0710	0.00000000	-4.476E-06	1.663E-05
140	1372.94	0	0.0	0.0765	0.00000000	-3.197E-06	1.790E-05
150	1471.01	0	0.0	0.0820	0.00000000	-1.918E-06	1.918E-05
160	1569.07	0	0.0	0.0874	0.00000000	-6.394E-07	2.046E-05
170	1667.14	0	0.0	0.0929	0.00000000	6.394E-07	2.174E-05
180	1765.21	0	0.0	0.0984	0.00000000	1.918E-06	2.302E-05
190	1863.27	0	0.0	0.1038	0.00000000	3.197E-06	2.430E-05
200	1961.34	0	0.0	0.1093	0.00000000	4.476E-06	2.558E-05
210	2059.41	0	0.0	0.1148	0.00000000	5.755E-06	2.686E-05
220	2157.48	0	0.0	0.1202	0.00000000	7.034E-06	2.813E-05
230	2255.54	0	0.0	0.1257	0.00000000	8.313E-06	2.941E-05
240	2353.61	0	0.0	0.1312	0.00000000	9.591E-06	3.069E-05
250	2451.68	0	0.0	0.1366	0.00000000	1.087E-05	3.197E-05
260	2549.74	0	0.0	0.1421	0.00000000	1.215E-05	3.325E-05
270	2647.81	0	0.0	0.1475	0.00000000	1.343E-05	3.453E-05
280	2745.88	0	0.0	0.1530	0.00000000	1.471E-05	3.581E-05
290	2843.95	0	0.0	0.1585	0.00000000	1.599E-05	3.709E-05
300	2942.01	0	0.0	0.1639	0.00000000	1.726E-05	3.837E-05
310	3040.08	0	0.0	0.1694	0.00000000	1.854E-05	3.964E-05
320	3138.15	0	0.0	0.1749	0.00000000	1.982E-05	4.092E-05
330	3236.21	0	0.0	0.1803	0.00000000	2.110E-05	4.220E-05
340	3334.28	1	0.5	0.1858	0.00002494	2.238E-05	4.348E-05
350	3432.35	1	0.5	0.1913	0.00002494	2.366E-05	4.476E-05
360	3530.42	1	0.5	0.1967	0.00002494	2.494E-05	4.604E-05
370	3628.48	1	0.5	0.2022	0.00002494	2.622E-05	4.732E-05
380	3726.55	1	0.5	0.2077	0.00002494	2.750E-05	4.860E-05



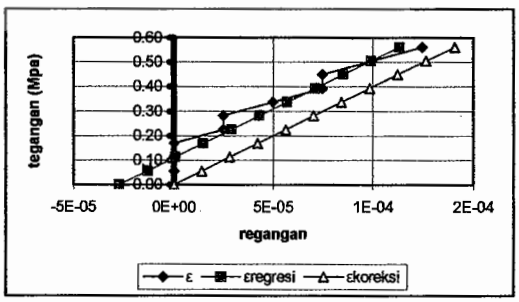
kode sampel:		28A2
d (mm)	P_O (mm)	A_O (mm^2)
149	200.3	17443.64

Beban (kgf)	Beban (N)	Δp (mm) 10^{-2}	0.5Δp (mm) 10^{-2}	f (MPa)	ε	$\varepsilon_{regresi}$	$\varepsilon_{koreksi}$
0	0.00	0	0.0	0.0000	0.00000000	-2.169E-05	0.000E+00
100	980.67	0	0.0	0.0562	0.00000000	-4.480E-06	1.721E-05
200	1961.34	0	0.0	0.1124	0.00000000	1.273E-05	3.442E-05
300	2942.01	1	0.5	0.1687	0.00002496	2.994E-05	5.163E-05
400	3922.68	2	1.0	0.2249	0.00004993	4.715E-05	6.884E-05
500	4903.36	2	1.0	0.2811	0.00004993	6.436E-05	8.605E-05
600	5884.03	3	1.5	0.3373	0.00007489	8.157E-05	1.033E-04
700	6864.70	4	2.0	0.3935	0.00009985	9.878E-05	1.205E-04
800	7845.37	5	2.5	0.4498	0.00012481	1.160E-04	1.377E-04



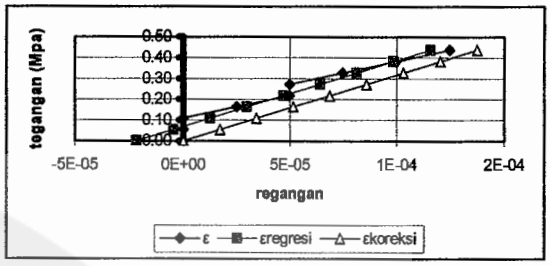
kode sampel:		28A4
d (mm)	P_O (mm)	A_O (mm^2)
149	200.8	17443.64

Beban (kgf)	Beban (N)	Δp (mm) 10^{-2}	0.5Δp (mm) 10^{-2}	f (MPa)	ε	$\varepsilon_{regresi}$	$\varepsilon_{koreksi}$
0	0.00	0	0.0	0.0000	0.00000000	-2.728E-05	0.000E+00
100	980.67	0	0.0	0.0562	0.00000000	-1.322E-05	1.406E-05
200	1961.34	0	0.0	0.1124	0.00000000	8.340E-07	2.812E-05
300	2942.01	0	0.0	0.1687	0.00000000	1.489E-05	4.218E-05
400	3922.68	1	0.5	0.2249	0.00002490	2.895E-05	5.623E-05
500	4903.36	1	0.5	0.2811	0.00002490	4.301E-05	7.029E-05
600	5884.03	2	1.0	0.3373	0.00004980	5.707E-05	8.435E-05
700	6864.70	3	1.5	0.3935	0.00007470	7.113E-05	9.841E-05
800	7845.37	3	1.5	0.4498	0.00007470	8.519E-05	1.125E-04
900	8826.04	4	2.0	0.5060	0.00009960	9.924E-05	1.265E-04
1000	9806.71	5	2.5	0.5622	0.00012450	1.133E-04	1.406E-04



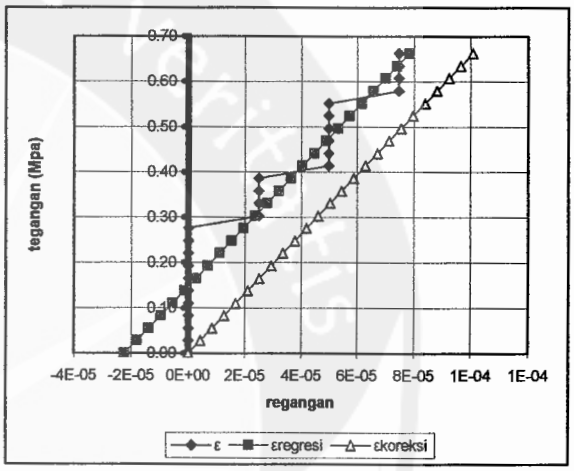
kode sampel:		28A5
d (mm)	P_O (mm)	A_O (mm^2)
151.13	200.8	17945.93

Beban (kgf)	Beban (N)	Δp (mm) 10^{-2}	0.5Δp (mm) 10^{-2}	f (MPa)	ε	$\varepsilon_{regresi}$	$\varepsilon_{koreksi}$
0	0.00	0	0.0	0.0000	0.00000000	-2.164E-05	0.000E+00
100	980.67	0	0.0	0.0546	0.00000000	-4.469E-06	1.717E-05
200	1961.34	0	0.0	0.1093	0.00000000	1.270E-05	3.434E-05
300	2942.01	1	0.5	0.1639	0.00002490	2.987E-05	5.150E-05
400	3922.68	2	1.0	0.2186	0.00004980	4.703E-05	6.867E-05
500	4903.36	2	1.0	0.2732	0.00004980	6.420E-05	8.584E-05
600	5884.03	3	1.5	0.3279	0.00007470	8.137E-05	1.030E-04
700	6864.70	4	2.0	0.3825	0.00009960	9.854E-05	1.202E-04
800	7845.37	5	2.5	0.4372	0.00012450	1.157E-04	1.373E-04



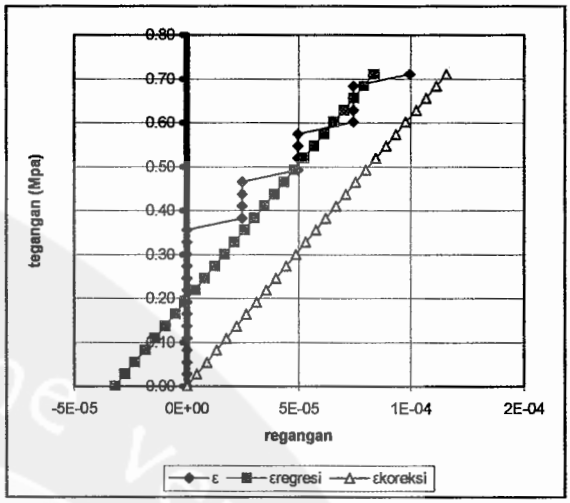
kode sampel:		56A1
d (mm)	P_O (mm)	A_O (mm^2)
150.38	200.82	17768.26

Beban (kgf)	Beban (N)	Δp (mm) 10^{-2}	0.5Δp (mm) 10^{-2}	f (MPa)	ε	$\varepsilon_{regresi}$	$\varepsilon_{koreksi}$
0	0.00	0	0.0	0.0000	0.00000000	-2.238E-05	0.000E+00
50	490.34	0	0.0	0.0276	0.00000000	-1.819E-05	4.189E-06
100	980.67	0	0.0	0.0552	0.00000000	-1.400E-05	8.378E-06
150	1471.01	0	0.0	0.0828	0.00000000	-9.815E-06	1.257E-05
200	1961.34	0	0.0	0.1104	0.00000000	-5.626E-06	1.676E-05
250	2451.68	0	0.0	0.1380	0.00000000	-1.437E-06	2.095E-05
300	2942.01	0	0.0	0.1656	0.00000000	2.752E-06	2.513E-05
350	3432.35	0	0.0	0.1932	0.00000000	6.941E-06	2.932E-05
400	3922.68	0	0.0	0.2208	0.00000000	1.113E-05	3.351E-05
450	4413.02	0	0.0	0.2484	0.00000000	1.532E-05	3.770E-05
500	4903.36	0	0.0	0.2760	0.00000000	1.951E-05	4.189E-05
550	5393.69	1	0.5	0.3036	0.00002490	2.370E-05	4.608E-05
600	5884.03	1	0.5	0.3312	0.00002490	2.789E-05	5.027E-05
650	6374.36	1	0.5	0.3587	0.00002490	3.207E-05	5.446E-05
700	6864.70	1	0.5	0.3863	0.00002490	3.626E-05	5.865E-05
750	7355.03	2	1.0	0.4139	0.00004980	4.045E-05	6.284E-05
800	7845.37	2	1.0	0.4415	0.00004980	4.464E-05	6.702E-05
850	8335.70	2	1.0	0.4691	0.00004980	4.883E-05	7.121E-05
900	8826.04	2	1.0	0.4967	0.00004980	5.302E-05	7.540E-05
950	9316.37	2	1.0	0.5243	0.00004980	5.721E-05	7.959E-05
1000	9806.71	2	1.0	0.5519	0.00004980	6.140E-05	8.378E-05
1050	10297.05	3	1.5	0.5795	0.00007469	6.559E-05	8.797E-05
1100	10787.38	3	1.5	0.6071	0.00007469	6.978E-05	9.216E-05
1150	11277.72	3	1.5	0.6347	0.00007469	7.396E-05	9.635E-05
1200	11768.05	3	1.5	0.6623	0.00007469	7.815E-05	1.005E-04



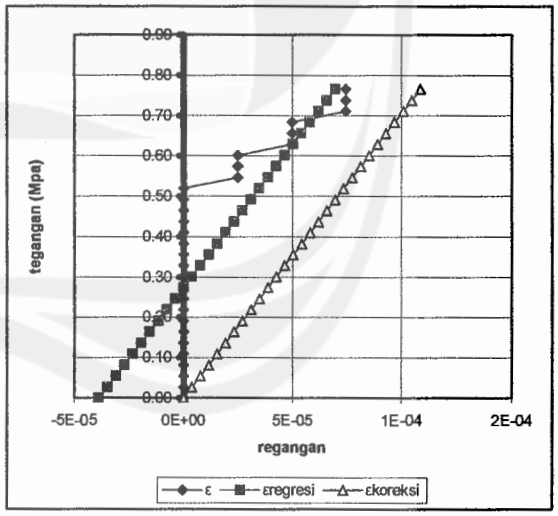
kode sampel:		56A3
d (mm)	P_O (mm)	A_O (mm^2)
151.02	201.44	17919.82

Beban (kgf)	Beban (N)	?p (mm) 10^{-2}	0.5?p (mm) 10^{-2}	f (MPa)	ε	$\varepsilon_{regresi}$	$\varepsilon_{koreksi}$
0	0.00	0	0.0	0.0000	0.00000000	-3.202E-05	0.000E+00
50	490.34	0	0.0	0.0274	0.00000000	-2.758E-05	4.443E-06
100	980.67	0	0.0	0.0547	0.00000000	-2.314E-05	8.887E-06
150	1471.01	0	0.0	0.0821	0.00000000	-1.869E-05	1.333E-05
200	1961.34	0	0.0	0.1095	0.00000000	-1.425E-05	1.777E-05
250	2451.68	0	0.0	0.1368	0.00000000	-9.806E-06	2.222E-05
300	2942.01	0	0.0	0.1642	0.00000000	-5.363E-06	2.666E-05
350	3432.35	0	0.0	0.1915	0.00000000	-9.193E-07	3.110E-05
400	3922.68	0	0.0	0.2189	0.00000000	3.524E-06	3.555E-05
450	4413.02	0	0.0	0.2463	0.00000000	7.967E-06	3.999E-05
500	4903.36	0	0.0	0.2736	0.00000000	1.241E-05	4.443E-05
550	5393.69	0	0.0	0.3010	0.00000000	1.685E-05	4.888E-05
600	5884.03	0	0.0	0.3284	0.00000000	2.130E-05	5.332E-05
650	6374.36	0	0.0	0.3557	0.00000000	2.574E-05	5.776E-05
700	6864.70	1	0.5	0.3831	0.00002482	3.018E-05	6.221E-05
750	7355.03	1	0.5	0.4104	0.00002482	3.463E-05	6.665E-05
800	7845.37	1	0.5	0.4378	0.00002482	3.907E-05	7.109E-05
850	8335.70	1	0.5	0.4652	0.00002482	4.351E-05	7.554E-05
900	8826.04	2	1.0	0.4925	0.00004964	4.796E-05	7.998E-05
950	9316.37	2	1.0	0.5199	0.00004964	5.240E-05	8.442E-05
1000	9806.71	2	1.0	0.5473	0.00004964	5.684E-05	8.887E-05
1050	10297.05	2	1.0	0.5746	0.00004964	6.129E-05	9.331E-05
1100	10787.38	3	1.5	0.6020	0.00007446	6.573E-05	9.775E-05
1150	11277.72	3	1.5	0.6293	0.00007446	7.017E-05	1.022E-04
1200	11768.05	3	1.5	0.6567	0.00007446	7.462E-05	1.066E-04
1250	12258.39	3	1.5	0.6841	0.00007446	7.906E-05	1.111E-04
1300	12748.72	4	2.0	0.7114	0.00009929	8.350E-05	1.155E-04



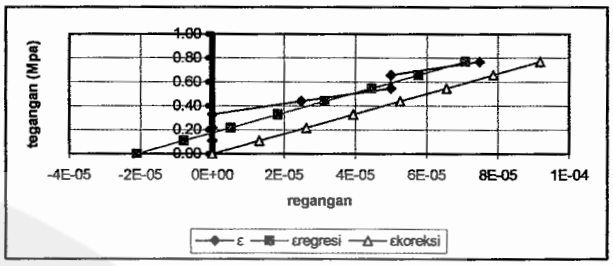
kode sampel:		56A5
d (mm)	P_O (mm)	A_O (mm^2)
151.05	200.78	17926.94

Beban (kgf)	Beban (N)	Δp (mm) 10^{-2}	0.5Δp (mm) 10^{-2}	f (MPa)	ε	$\varepsilon_{regresi}$	$\varepsilon_{koreksi}$
0	0.00	0	0.0	0.0000	0.00000000	-3.882E-05	0.000E+00
50	490.34	0	0.0	0.0274	0.00000000	-3.495E-05	3.877E-06
100	980.67	0	0.0	0.0547	0.00000000	-3.107E-05	7.755E-06
150	1471.01	0	0.0	0.0821	0.00000000	-2.719E-05	1.163E-05
200	1961.34	0	0.0	0.1094	0.00000000	-2.332E-05	1.551E-05
250	2451.68	0	0.0	0.1368	0.00000000	-1.944E-05	1.939E-05
300	2942.01	0	0.0	0.1641	0.00000000	-1.556E-05	2.326E-05
350	3432.35	0	0.0	0.1915	0.00000000	-1.168E-05	2.714E-05
400	3922.68	0	0.0	0.2188	0.00000000	-7.807E-06	3.102E-05
450	4413.02	0	0.0	0.2462	0.00000000	-3.929E-06	3.490E-05
500	4903.36	0	0.0	0.2735	0.00000000	-5.204E-08	3.877E-05
550	5393.69	0	0.0	0.3009	0.00000000	3.825E-06	4.265E-05
600	5884.03	0	0.0	0.3282	0.00000000	7.702E-06	4.653E-05
650	6374.36	0	0.0	0.3556	0.00000000	1.158E-05	5.040E-05
700	6864.70	0	0.0	0.3829	0.00000000	1.546E-05	5.428E-05
750	7355.03	0	0.0	0.4103	0.00000000	1.933E-05	5.816E-05
800	7845.37	0	0.0	0.4376	0.00000000	2.321E-05	6.204E-05
850	8335.70	0	0.0	0.4650	0.00000000	2.709E-05	6.591E-05
900	8826.04	0	0.0	0.4923	0.00000000	3.097E-05	6.979E-05
950	9316.37	0	0.0	0.5197	0.00000000	3.484E-05	7.367E-05
1000	9806.71	1	0.5	0.5470	0.00002490	3.872E-05	7.755E-05
1050	10297.05	1	0.5	0.5744	0.00002490	4.260E-05	8.142E-05
1100	10787.38	1	0.5	0.6017	0.00002490	4.647E-05	8.530E-05
1150	11277.72	2	1.0	0.6291	0.00004981	5.035E-05	8.918E-05
1200	11768.05	2	1.0	0.6564	0.00004981	5.423E-05	9.305E-05
1250	12258.39	2	1.0	0.6838	0.00004981	5.811E-05	9.693E-05
1300	12748.72	3	1.5	0.7111	0.00007471	6.198E-05	1.008E-04
1350	13239.06	3	1.5	0.7385	0.00007471	6.586E-05	1.047E-04
1400	13729.39	3	1.5	0.7659	0.00007471	6.974E-05	1.086E-04



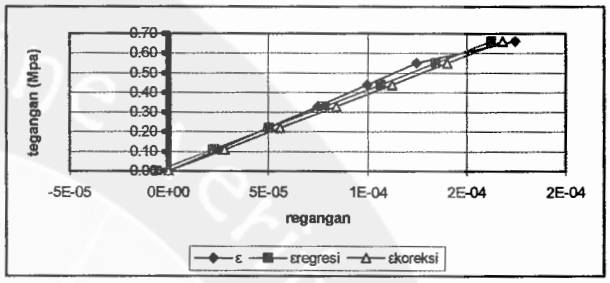
kode sampel:	7B1	
d (mm)	P_O (mm)	A_O (mm^2)
150.7	200.9	17843.96

Beban (kgf)	Beban (N)	Δp (mm) 10^{-2}	0.5Δp (mm) 10^{-2}	f (MPa)	ε	$\varepsilon_{regresi}$	$\varepsilon_{koreksi}$
0	0.00	0	0.0	0.0000	0.00000000	-2.096E-05	0.000E+00
200	1961.34	0	0.0	0.1099	0.00000000	-7.859E-06	1.310E-05
400	3922.68	0	0.0	0.2198	0.00000000	5.240E-06	2.620E-05
600	5884.03	0	0.0	0.3297	0.00000000	1.834E-05	3.930E-05
800	7845.37	1	0.5	0.4397	0.00002489	3.144E-05	5.240E-05
1000	9806.71	2	1.0	0.5496	0.00004978	4.454E-05	6.549E-05
1200	11768.05	2	1.0	0.6595	0.00004978	5.764E-05	7.859E-05
1400	13729.39	3	1.5	0.7694	0.00007466	7.073E-05	9.169E-05



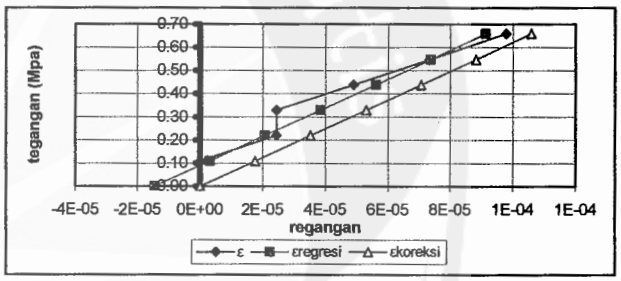
kode sampel:	7B2	
d (mm)	P_O (mm)	A_O (mm^2)
150.57	200.8	17813.18

Beban (kgf)	Beban (N)	Δp (mm) 10^{-2}	0.5Δp (mm) 10^{-2}	f (MPa)	ε	$\varepsilon_{regresi}$	$\varepsilon_{koreksi}$
0	0.00	0	0.0	0.0000	0.00000000	-5.737E-06	0.000E+00
200	1961.34	1	0.5	0.1101	0.00002490	2.226E-05	2.800E-05
400	3922.68	2	1.0	0.2202	0.00004980	5.026E-05	5.600E-05
600	5884.03	3	1.5	0.3303	0.00007470	7.826E-05	8.400E-05
800	7845.37	4	2.0	0.4404	0.00009960	1.063E-04	1.120E-04
1000	9806.71	5	2.5	0.5505	0.00012450	1.343E-04	1.400E-04
1200	11768.05	7	3.5	0.6606	0.00017430	1.623E-04	1.680E-04



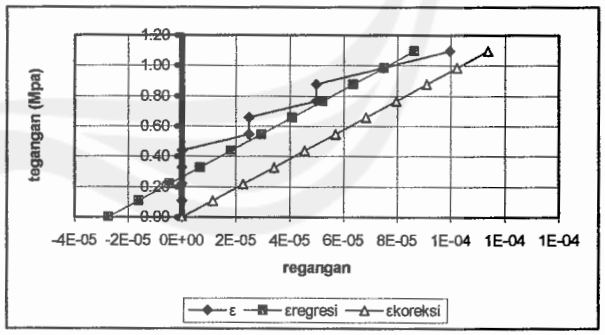
kode sampel:	7B3	
d (mm)	P_O (mm)	A_O (mm^2)
150.77	204.7	17860.54

Beban (kgf)	Beban (N)	Δp (mm) 10^{-2}	0.5Δp (mm) 10^{-2}	f (MPa)	ε	$\varepsilon_{regresi}$	$\varepsilon_{koreksi}$
0	0.00	0	0.0	0.0000	0.00000000	-1.451E-05	0.000E+00
200	1961.34	0	0.0	0.1098	0.00000000	3.122E-06	1.763E-05
400	3922.68	1	0.5	0.2196	0.00002443	2.075E-05	3.526E-05
600	5884.03	1	0.5	0.3294	0.00002443	3.838E-05	5.289E-05
800	7845.37	2	1.0	0.4393	0.00004885	5.601E-05	7.052E-05
1000	9806.71	3	1.5	0.5491	0.00007328	7.365E-05	8.815E-05
1200	11768.05	4	2.0	0.6589	0.00009770	9.128E-05	1.058E-04



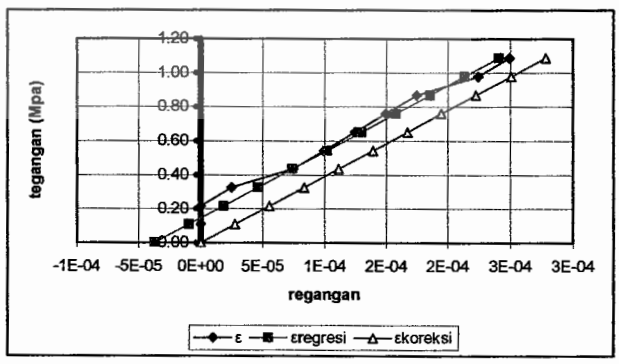
kode sampel:	14B1	
d (mm)	P_O (mm)	A_O (mm^2)
150.9	201	17891.35

Beban (kgf)	Beban (N)	Δp (mm) 10^{-2}	0.5Δp (mm) 10^{-2}	f (MPa)	ε	$\varepsilon_{regresi}$	$\varepsilon_{koreksi}$
0	0.00	0	0.0	0.0000	0.00000000	-2.740E-05	0.000E+00
200	1961.34	0	0.0	0.1096	0.00000000	-1.604E-05	1.136E-05
400	3922.68	0	0.0	0.2193	0.00000000	-4.681E-06	2.272E-05
600	5884.03	0	0.0	0.3289	0.00000000	6.679E-06	3.408E-05
800	7845.37	0	0.0	0.4385	0.00000000	1.804E-05	4.544E-05
1000	9806.71	1	0.5	0.5481	0.00002488	2.940E-05	5.680E-05
1200	11768.05	1	0.5	0.6578	0.00002488	4.076E-05	6.816E-05
1400	13729.39	2	1.0	0.7674	0.00004975	5.212E-05	7.952E-05
1600	15690.74	2	1.0	0.8770	0.00004975	6.348E-05	9.088E-05
1800	17652.08	3	1.5	0.9866	0.00007463	7.484E-05	1.022E-04
2000	19613.42	4	2.0	1.0963	0.00009950	8.620E-05	1.136E-04



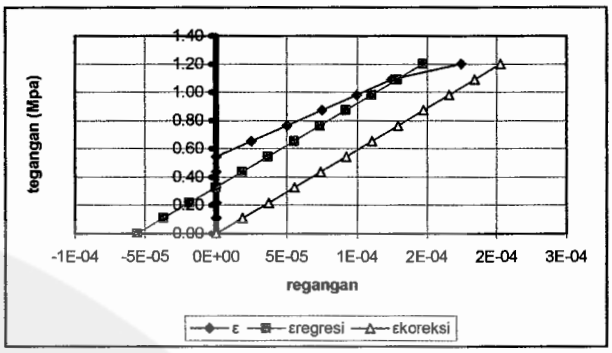
kode sampel:	14B2	
d (mm)	P_O (mm)	A_O (mm^2)
151.53	200.9	18041.05

Beban (kgf)	Beban (N)	Δp (mm) 10^{-2}	0.5Δp (mm) 10^{-2}	f (MPa)	ε	$\varepsilon_{regresi}$	$\varepsilon_{koreksi}$
0	0.00	0	0.0	0.0000	0.00000000	-3.717E-05	0.000E+00
200	1961.34	0	0.0	0.1087	0.00000000	-9.373E-06	2.780E-05
400	3922.68	0	0.0	0.2174	0.00000000	1.842E-05	5.559E-05
600	5884.03	1	0.5	0.3261	0.00002489	4.622E-05	8.339E-05
800	7845.37	3	1.5	0.4349	0.00007466	7.402E-05	1.112E-04
1000	9806.71	4	2.0	0.5436	0.00009955	1.018E-04	1.390E-04
1200	11768.05	5	2.5	0.6523	0.00012444	1.296E-04	1.668E-04
1400	13729.39	6	3.0	0.7610	0.00014933	1.574E-04	1.946E-04
1600	15690.74	7	3.5	0.8697	0.00017422	1.852E-04	2.224E-04
1800	17652.08	9	4.5	0.9784	0.00022399	2.130E-04	2.502E-04
2000	19613.42	10	5.0	1.0872	0.00024888	2.408E-04	2.780E-04



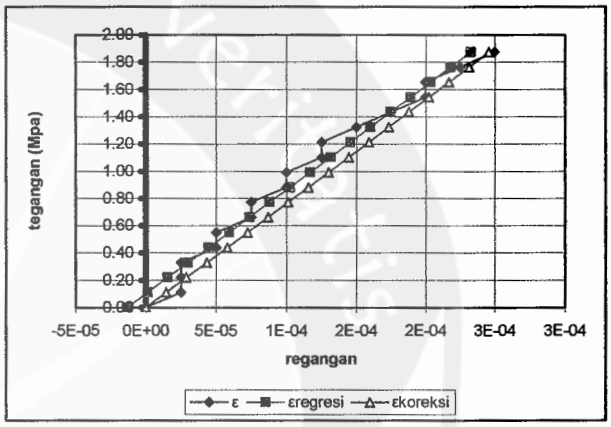
kode sampel:		14B3
d (mm)	P_O (mm)	A_O (mm^2)
151.23	201	17969.69

Beban (kgf)	Beban (N)	Δp (mm) 10^{-2}	0.5Δp (mm) 10^{-2}	f (MPa)	ε	$\varepsilon_{regresi}$	$\varepsilon_{koreksi}$
0	0.00	0	0.0	0.0000	0.00000000	-5.568E-05	0.000E+00
200	1961.34	0	0.0	0.1091	0.00000000	-3.727E-05	1.842E-05
400	3922.68	0	0.0	0.2183	0.00000000	-1.885E-05	3.683E-05
600	5884.03	0	0.0	0.3274	0.00000000	-4.339E-07	5.525E-05
800	7845.37	0	0.0	0.4366	0.00000000	1.798E-05	7.366E-05
1000	9806.71	0	0.0	0.5457	0.00000000	3.640E-05	9.208E-05
1200	11768.05	1	0.5	0.6549	0.00002488	5.481E-05	1.105E-04
1400	13729.39	2	1.0	0.7640	0.00004975	7.323E-05	1.289E-04
1600	15690.74	3	1.5	0.8732	0.00007463	9.164E-05	1.473E-04
1800	17652.08	4	2.0	0.9823	0.00009950	1.101E-04	1.657E-04
2000	19613.42	5	2.5	1.0915	0.00012438	1.285E-04	1.842E-04
2200	21574.76	7	3.5	1.2006	0.00017413	1.469E-04	2.026E-04



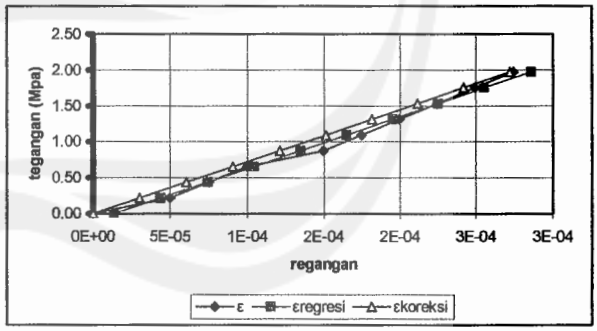
kode sampel:		28B1
d (mm)	P_O (mm)	A_O (mm^2)
150.43	200.5	17780.07

Beban (kgf)	Beban (N)	Δp (mm) 10^{-2}	0.5Δp (mm) 10^{-2}	f (MPa)	ε	$\varepsilon_{regresi}$	$\varepsilon_{koreksi}$
0	0.00	0	0.0	0.0000	0.00000000	-1.322E-05	0.000E+00
200	1961.34	1	0.5	0.1103	0.00002494	1.211E-06	1.443E-05
400	3922.68	1	0.5	0.2206	0.00002494	1.564E-05	2.886E-05
600	5884.03	1	0.5	0.3309	0.00002494	3.007E-05	4.330E-05
800	7845.37	2	1.0	0.4412	0.00004988	4.451E-05	5.773E-05
1000	9806.71	2	1.0	0.5516	0.00004988	5.894E-05	7.216E-05
1200	11768.05	3	1.5	0.6619	0.00007481	7.337E-05	8.659E-05
1400	13729.39	3	1.5	0.7722	0.00007481	8.780E-05	1.010E-04
1600	15690.74	4	2.0	0.8825	0.00009975	1.022E-04	1.155E-04
1800	17652.08	4	2.0	0.9928	0.00009975	1.167E-04	1.299E-04
2000	19613.42	5	2.5	1.1031	0.00012469	1.311E-04	1.443E-04
2200	21574.76	5	2.5	1.2134	0.00012469	1.455E-04	1.587E-04
2400	23536.10	6	3.0	1.3237	0.00014963	1.600E-04	1.732E-04
2600	25497.45	7	3.5	1.4340	0.00017456	1.744E-04	1.876E-04
2800	27458.79	8	4.0	1.5444	0.00019950	1.888E-04	2.020E-04
3000	29420.13	8	4.0	1.6547	0.00019950	2.033E-04	2.165E-04
3200	31381.47	9	4.5	1.7650	0.00022444	2.177E-04	2.309E-04
3400	33342.81	10	5.0	1.8753	0.00024938	2.321E-04	2.453E-04



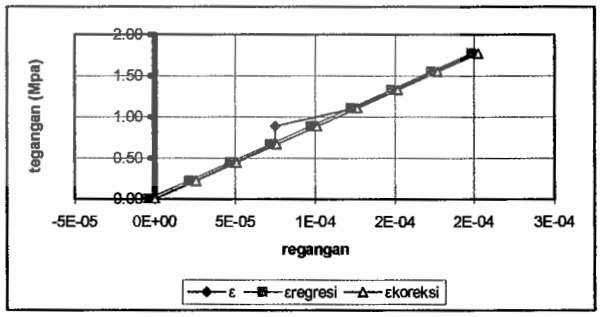
kode sampel:		28B2
d (mm)	P_O (mm)	A_O (mm^2)
150.8	200.6	17867.65

Beban (kgf)	Beban (N)	Δp (mm) 10^{-2}	0.5Δp (mm) 10^{-2}	f (MPa)	ε	$\varepsilon_{regresi}$	$\varepsilon_{koreksi}$
0	0.00	0	0.0	0.0000	0.00000000	1.360E-05	0.000E+00
400	3922.68	2	1.0	0.2195	0.00004985	4.381E-05	3.021E-05
800	7845.37	3	1.5	0.4391	0.00007478	7.402E-05	6.042E-05
1200	11768.05	4	2.0	0.6586	0.00009970	1.042E-04	9.064E-05
1600	15690.74	6	3.0	0.8782	0.00014955	1.344E-04	1.208E-04
2000	19613.42	7	3.5	1.0977	0.00017448	1.647E-04	1.511E-04
2400	23536.10	8	4.0	1.3172	0.00019940	1.949E-04	1.813E-04
2800	27458.79	9	4.5	1.5368	0.00022433	2.251E-04	2.115E-04
3200	31381.47	10	5.0	1.7563	0.00024925	2.553E-04	2.417E-04
3600	35304.16	11	5.5	1.9759	0.00027418	2.855E-04	2.719E-04



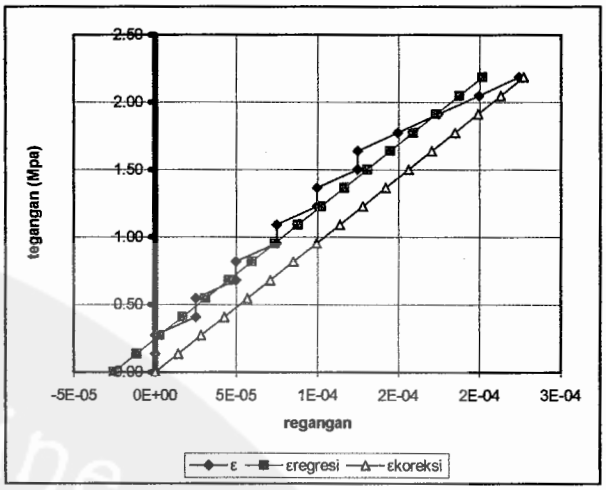
kode sampel:		28B3
d (mm)	P_O (mm)	A_O (mm^2)
150.03	200.55	17685.64

Beban (kgf)	Beban (N)	Δp (mm) 10^{-2}	0.5Δp (mm) 10^{-2}	f (MPa)	ε	$\varepsilon_{regresi}$	$\varepsilon_{koreksi}$
0	0.00	0	0.0	0.0000	0.00000000	-4.248E-06	0.000E+00
400	3922.68	1	0.5	0.2218	0.00002493	2.105E-05	2.530E-05
800	7845.37	2	1.0	0.4436	0.00004986	4.635E-05	5.060E-05
1200	11768.05	3	1.5	0.6654	0.00007479	7.165E-05	7.590E-05
1600	15690.74	3	1.5	0.8872	0.00007479	9.696E-05	1.012E-04
2000	19613.42	5	2.5	1.1090	0.00012466	1.223E-04	1.265E-04
2400	23536.10	6	3.0	1.3308	0.00014959	1.476E-04	1.518E-04
2800	27458.79	7	3.5	1.5526	0.00017452	1.729E-04	1.771E-04
3200	31381.47	8	4.0	1.7744	0.00019945	1.982E-04	2.024E-04



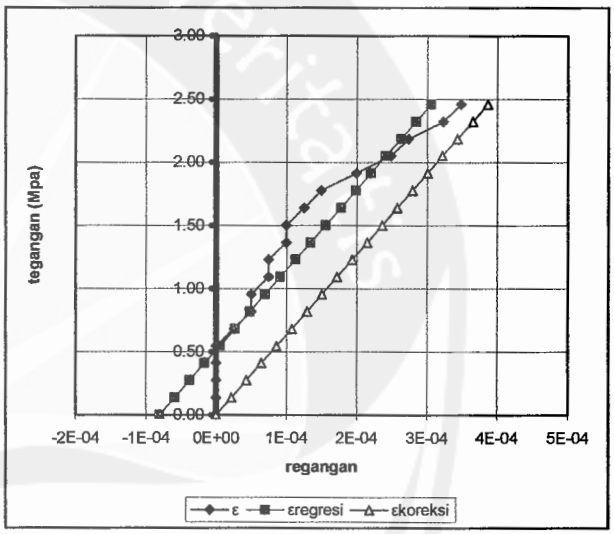
kode sampel:		56B1
d (mm)	P_O (mm)	A_O (mm^2)
151.09	200.92	17936.43

Beban (kgf)	Beban (N)	Δp (mm) 10^{-2}	0.5Δp (mm) 10^{-2}	f (MPa)	ε	$\varepsilon_{regresi}$	$\varepsilon_{koreksi}$
0	0.00	0	0.0	0.0000	0.00000000	-2.563E-05	0.000E+00
250	2451.68	0	0.0	0.1367	0.00000000	-1.145E-05	1.418E-05
500	4903.36	0	0.0	0.2734	0.00000000	2.733E-06	2.837E-05
750	7355.03	1	0.5	0.4101	0.00002489	1.692E-05	4.255E-05
1000	9806.71	1	0.5	0.5467	0.00002489	3.110E-05	5.673E-05
1250	12258.39	2	1.0	0.6834	0.00004977	4.528E-05	7.092E-05
1500	14710.07	2	1.0	0.8201	0.00004977	5.947E-05	8.510E-05
1750	17161.74	3	1.5	0.9568	0.00007466	7.365E-05	9.928E-05
2000	19613.42	3	1.5	1.0935	0.00007466	8.783E-05	1.135E-04
2250	22065.10	4	2.0	1.2302	0.00009954	1.020E-04	1.276E-04
2500	24516.78	4	2.0	1.3669	0.00009954	1.162E-04	1.418E-04
2750	26968.45	5	2.5	1.5036	0.00012443	1.304E-04	1.560E-04
3000	29420.13	5	2.5	1.6402	0.00012443	1.446E-04	1.702E-04
3250	31871.81	6	3.0	1.7769	0.00014931	1.587E-04	1.844E-04
3500	34323.49	7	3.5	1.9136	0.00017420	1.729E-04	1.986E-04
3750	36775.16	8	4.0	2.0503	0.00019908	1.871E-04	2.127E-04
4000	39226.84	9	4.5	2.1870	0.00022397	2.013E-04	2.269E-04



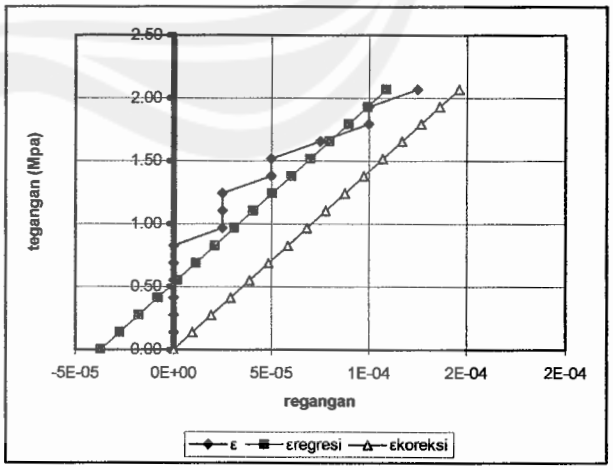
kode sampel:		56B4
d (mm)	P_O (mm)	A_O (mm^2)
151.05	201.3	17926.94

Beban (kgf)	Beban (N)	Δp (mm) 10^{-2}	0.5Δp (mm) 10^{-2}	f (MPa)	ε	$\varepsilon_{regresi}$	$\varepsilon_{koreksi}$
0	0.00	0	0.0	0.0000	0.00000000	-8.057E-05	0.000E+00
250	2451.68	0	0.0	0.1368	0.00000000	-5.913E-05	2.144E-05
500	4903.36	0	0.0	0.2735	0.00000000	-3.768E-05	4.289E-05
750	7355.03	0	0.0	0.4103	0.00000000	-1.624E-05	6.433E-05
1000	9806.71	0	0.0	0.5470	0.00000000	5.205E-06	8.578E-05
1250	12258.39	1	0.5	0.6838	0.00002484	2.665E-05	1.072E-04
1500	14710.07	2	1.0	0.8206	0.00004968	4.809E-05	1.287E-04
1750	17161.74	2	1.0	0.9573	0.00004968	6.954E-05	1.501E-04
2000	19613.42	3	1.5	1.0941	0.00007452	9.098E-05	1.716E-04
2250	22065.10	3	1.5	1.2308	0.00007452	1.124E-04	1.930E-04
2500	24516.78	4	2.0	1.3676	0.00009935	1.339E-04	2.144E-04
2750	26968.45	4	2.0	1.5044	0.00009935	1.553E-04	2.359E-04
3000	29420.13	5	2.5	1.6411	0.00012419	1.768E-04	2.573E-04
3250	31871.81	6	3.0	1.7779	0.00014903	1.982E-04	2.788E-04
3500	34323.49	8	4.0	1.9146	0.00019871	2.196E-04	3.002E-04
3750	36775.16	10	5.0	2.0514	0.00024839	2.411E-04	3.217E-04
4000	39226.84	11	5.5	2.1882	0.00027322	2.625E-04	3.431E-04
4250	41678.52	13	6.5	2.3249	0.00032290	2.840E-04	3.646E-04
4500	44130.20	14	7.0	2.4617	0.00034774	3.054E-04	3.860E-04



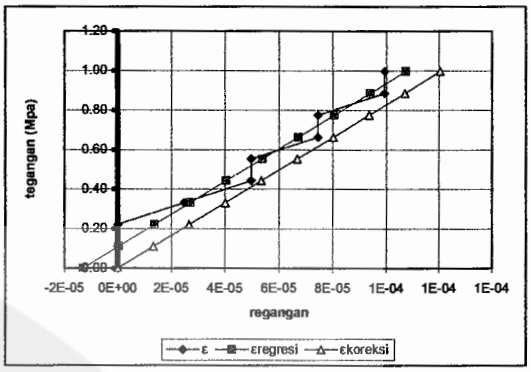
kode sampel:		56B5
d (mm)	P_O (mm)	A_O (mm^2)
150.37	200.8	17765.89

Beban (kgf)	Beban (N)	Δp (mm) 10^{-2}	0.5Δp (mm) 10^{-2}	f (MPa)	ε	$\varepsilon_{regresi}$	$\varepsilon_{koreksi}$
0	0.00	0	0.0	0.0000	0.00000000	-3.714E-05	0.000E+00
250	2451.68	0	0.0	0.1380	0.00000000	-2.742E-05	9.725E-06
500	4903.36	0	0.0	0.2760	0.00000000	-1.769E-05	1.945E-05
750	7355.03	0	0.0	0.4140	0.00000000	-7.968E-06	2.917E-05
1000	9806.71	0	0.0	0.5520	0.00000000	1.757E-06	3.890E-05
1250	12258.39	0	0.0	0.6900	0.00000000	1.148E-05	4.862E-05
1500	14710.07	0	0.0	0.8280	0.00000000	2.121E-05	5.835E-05
1750	17161.74	1	0.5	0.9660	0.00002490	3.093E-05	6.807E-05
2000	19613.42	1	0.5	1.1040	0.00002490	4.066E-05	7.780E-05
2250	22065.10	1	0.5	1.2420	0.00002490	5.038E-05	8.752E-05
2500	24516.78	2	1.0	1.3800	0.00004980	6.011E-05	9.725E-05
2750	26968.45	2	1.0	1.5180	0.00004980	6.983E-05	1.070E-04
3000	29420.13	3	1.5	1.6560	0.00007470	7.956E-05	1.167E-04
3250	31871.81	4	2.0	1.7940	0.00009960	8.928E-05	1.264E-04
3500	34323.49	4	2.0	1.9320	0.00009960	9.901E-05	1.361E-04
3750	36775.16	5	2.5	2.0700	0.00012450	1.087E-04	1.459E-04



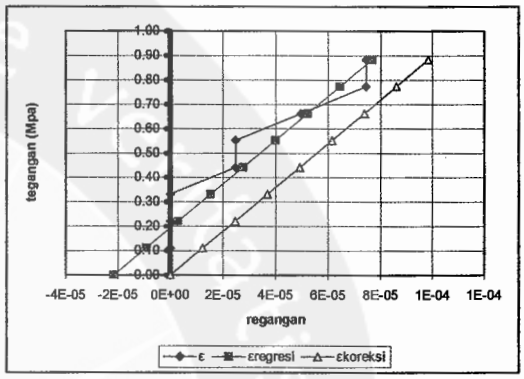
kode sampel:		7C1
d (mm)	P_O (mm)	A_O (mm^2)
150.13	201.7	17709.23

Beban (kgf)	Beban (N)	Δp (mm) 10^{-2}	0.5Δp (mm) 10^{-2}	f (MPa)	ε	$\varepsilon_{regresi}$	$\varepsilon_{koreksi}$
0	0.00	0	0.0	0.0000	0.00000000	-1.301E-05	0.000E+00
200	1961.34	0	0.0	0.1108	0.00000000	3.500E-07	1.336E-05
400	3922.68	0	0.0	0.2215	0.00000000	1.371E-05	2.671E-05
600	5884.03	1	0.5	0.3323	0.00002479	2.706E-05	4.007E-05
800	7845.37	2	1.0	0.4430	0.00004958	4.042E-05	5.343E-05
1000	9806.71	2	1.0	0.5538	0.00004958	5.378E-05	6.679E-05
1200	11768.05	3	1.5	0.6645	0.00007437	6.714E-05	8.014E-05
1400	13729.39	3	1.5	0.7753	0.00007437	8.049E-05	9.350E-05
1600	15690.74	4	2.0	0.8860	0.00009916	9.385E-05	1.069E-04
1800	17652.08	4	2.0	0.9968	0.00009916	1.072E-04	1.202E-04



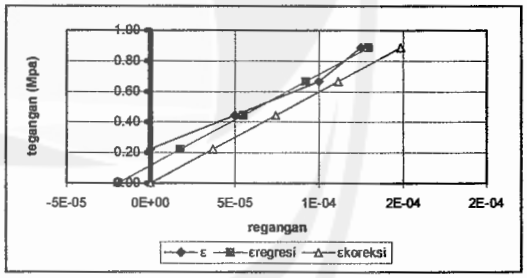
kode sampel:		7C2
d (mm)	P_O (mm)	A_O (mm^2)
150.3	201.9	17749.36

Beban (kgf)	Beban (N)	Δp (mm) 10^{-2}	0.5Δp (mm) 10^{-2}	f (MPa)	ε	$\varepsilon_{regresi}$	$\varepsilon_{koreksi}$
0	0.00	0	0.0	0.0000	0.00000000	-2.159E-05	0.000E+00
200	1961.34	0	0.0	0.1105	0.00000000	-9.313E-06	1.228E-05
400	3922.68	0	0.0	0.2210	0.00000000	2.963E-06	2.455E-05
600	5884.03	0	0.0	0.3315	0.00000000	1.524E-05	3.683E-05
800	7845.37	1	0.5	0.4420	0.00002476	2.752E-05	4.911E-05
1000	9806.71	1	0.5	0.5525	0.00002476	3.979E-05	6.138E-05
1200	11768.05	2	1.0	0.6630	0.00004953	5.207E-05	7.366E-05
1400	13729.39	3	1.5	0.7735	0.00007429	6.435E-05	8.594E-05
1600	15690.74	3	1.5	0.8840	0.00007429	7.662E-05	9.821E-05



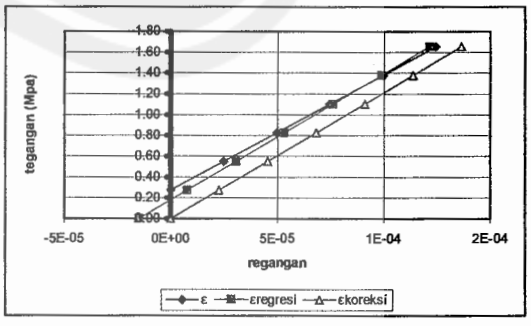
kode sampel:		7C3
d (mm)	P_O (mm)	A_O (mm^2)
149.9	200.4	17655.01

Beban (kgf)	Beban (N)	Δp (mm) 10^{-2}	0.5Δp (mm) 10^{-2}	f (MPa)	ε	$\varepsilon_{regresi}$	$\varepsilon_{koreksi}$
0	0.00	0	0.0	0.0000	0.00000000	-1.925E-05	0.000E+00
400	3922.68	0	0.0	0.2222	0.00000000	1.782E-05	3.707E-05
800	7845.37	2	1.0	0.4444	0.00004990	5.489E-05	7.414E-05
1200	11768.05	4	2.0	0.6666	0.00009980	9.196E-05	1.112E-04
1600	15690.74	5	2.5	0.8887	0.00012475	1.290E-04	1.483E-04



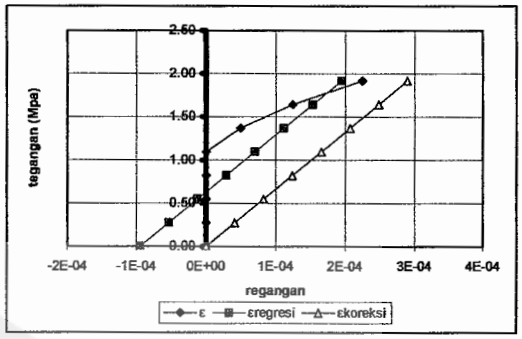
kode sampel:		14C1
d (mm)	P_O (mm)	A_O (mm^2)
150.47	201.3	17789.53

Beban (kgf)	Beban (N)	Δp (mm) 10^{-2}	0.5Δp (mm) 10^{-2}	f (MPa)	ε	$\varepsilon_{regresi}$	$\varepsilon_{koreksi}$
0	0.00	0	0.0	0.0000	0.00000000	-1.490E-05	0.000E+00
500	4903.36	0	0.0	0.2756	0.00000000	7.806E-06	2.271E-05
1000	9806.71	1	0.5	0.5513	0.00002484	3.052E-05	4.542E-05
1500	14710.07	2	1.0	0.8269	0.00004968	5.323E-05	6.813E-05
2000	19613.42	3	1.5	1.1025	0.00007452	7.593E-05	9.084E-05
2500	24516.78	4	2.0	1.3782	0.00009935	9.864E-05	1.135E-04
3000	29420.13	5	2.5	1.6538	0.00012419	1.214E-04	1.363E-04



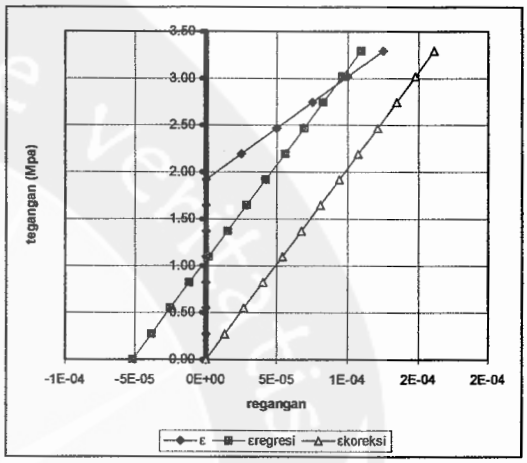
kode sampel:		14C2
d (mm)	P_O (mm)	A_O (mm^2)
150.8	201	17867.65

Beban (kgf)	Beban (N)	Δp (mm) 10^{-2}	0.5Δp (mm) 10^{-2}	f (MPa)	ε	$\varepsilon_{regresi}$	$\varepsilon_{koreksi}$
0	0.00	0	0.0	0.0000	0.00000000	-9.474E-05	0.000E+00
500	4903.36	0	0.0	0.2744	0.00000000	-5.346E-05	4.128E-05
1000	9806.71	0	0.0	0.5489	0.00000000	-1.217E-05	8.257E-05
1500	14710.07	0	0.0	0.8233	0.00000000	2.911E-05	1.238E-04
2000	19613.42	0	0.0	1.0977	0.00000000	7.039E-05	1.651E-04
2500	24516.78	2	1.0	1.3721	0.00004975	1.117E-04	2.064E-04
3000	29420.13	5	2.5	1.6466	0.00012438	1.530E-04	2.477E-04
3500	34323.49	9	4.5	1.9210	0.00022388	1.942E-04	2.890E-04



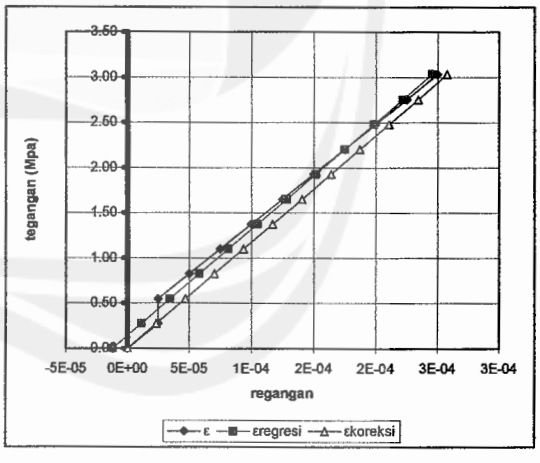
kode sampel:		14C3
d (mm)	P_O (mm)	A_O (mm^2)
150.8	200.6	17867.65

Beban (kgf)	Beban (N)	Δp (mm) 10^{-2}	0.5Δp (mm) 10^{-2}	f (MPa)	ε	$\varepsilon_{regresi}$	$\varepsilon_{koreksi}$
0	0.00	0	0.0	0.0000	0.00000000	-5.177E-05	0.000E+00
500	4903.36	0	0.0	0.2744	0.00000000	-3.835E-05	1.342E-05
1000	9806.71	0	0.0	0.5489	0.00000000	-2.493E-05	2.684E-05
1500	14710.07	0	0.0	0.8233	0.00000000	-1.150E-05	4.026E-05
2000	19613.42	0	0.0	1.0977	0.00000000	1.917E-06	5.369E-05
2500	24516.78	0	0.0	1.3721	0.00000000	1.534E-05	6.711E-05
3000	29420.13	0	0.0	1.6466	0.00000000	2.876E-05	8.053E-05
3500	34323.49	0	0.0	1.9210	0.00000000	4.218E-05	9.395E-05
4000	39226.84	1	0.5	2.1954	0.00002493	5.560E-05	1.074E-04
4500	44130.20	2	1.0	2.4698	0.00004985	6.902E-05	1.208E-04
5000	49033.55	3	1.5	2.7443	0.00007478	8.244E-05	1.342E-04
5500	53936.91	4	2.0	3.0187	0.00009970	9.587E-05	1.476E-04
6000	58840.26	5	2.5	3.2931	0.00012463	1.093E-04	1.611E-04



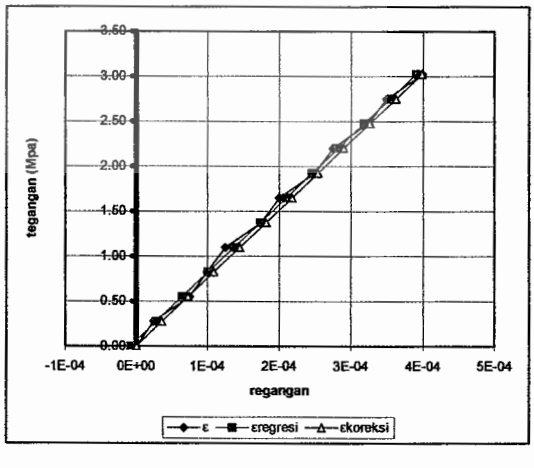
kode sampel:		28C1
d (mm)	P_O (mm)	A_O (mm^2)
150.5	200.5	17796.63

Beban (kgf)	Beban (N)	Δp (mm) 10^{-2}	0.5Δp (mm) 10^{-2}	f (MPa)	ε	$\varepsilon_{regresi}$	$\varepsilon_{koreksi}$
0	0.00	0	0.0	0.0000	0.00000000	-1.219E-05	0.000E+00
500	4903.36	1	0.5	0.2755	0.00002494	1.119E-05	2.338E-05
1000	9806.71	1	0.5	0.5510	0.00002494	3.456E-05	4.675E-05
1500	14710.07	2	1.0	0.8266	0.00004988	5.794E-05	7.013E-05
2000	19613.42	3	1.5	1.1021	0.00007481	8.131E-05	9.350E-05
2500	24516.78	4	2.0	1.3776	0.00009975	1.047E-04	1.169E-04
3000	29420.13	5	2.5	1.6531	0.00012469	1.281E-04	1.403E-04
3500	34323.49	6	3.0	1.9287	0.00014963	1.514E-04	1.636E-04
4000	39226.84	7	3.5	2.2042	0.00017456	1.748E-04	1.870E-04
4500	44130.20	8	4.0	2.4797	0.00019950	1.982E-04	2.104E-04
5000	49033.55	9	4.5	2.7552	0.00022444	2.216E-04	2.338E-04
5500	53936.91	10	5.0	3.0307	0.00024938	2.449E-04	2.571E-04



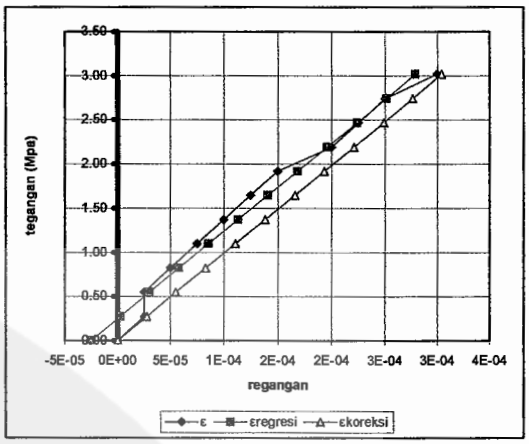
kode sampel:		28C2
d (mm)	P_O (mm)	A_O (mm^2)
150.6	200.7	17820.28

Beban (kgf)	Beban (N)	Δp (mm) 10^{-2}	0.5Δp (mm) 10^{-2}	f (MPa)	ε	$\varepsilon_{regresi}$	$\varepsilon_{koreksi}$
0	0.00	0	0.0	0.0000	0.00000000	-8.023E-06	0.000E+00
500	4903.36	1	0.5	0.2752	0.00002491	2.816E-05	3.619E-05
1000	9806.71	3	1.5	0.5503	0.00007474	6.435E-05	7.237E-05
1500	14710.07	4	2.0	0.8255	0.00009965	1.005E-04	1.086E-04
2000	19613.42	5	2.5	1.1006	0.00012456	1.367E-04	1.447E-04
2500	24516.78	7	3.5	1.3758	0.00017439	1.729E-04	1.809E-04
3000	29420.13	8	4.0	1.6509	0.00019930	2.091E-04	2.171E-04
3500	34323.49	10	5.0	1.9261	0.00024913	2.453E-04	2.533E-04
4000	39226.84	11	5.5	2.2012	0.00027404	2.815E-04	2.895E-04
4500	44130.20	13	6.5	2.4764	0.00032387	3.176E-04	3.257E-04
5000	49033.55	14	7.0	2.7516	0.00034878	3.538E-04	3.619E-04
5500	53936.91	16	8.0	3.0267	0.00039860	3.900E-04	3.980E-04



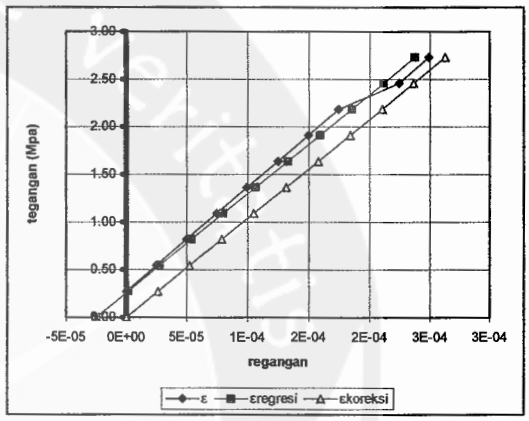
kode sampel:		28C3
d (mm)	P_O (mm)	A_O (mm^2)
150.77	200.4	17860.54

Beban (kgf)	Beban (N)	Δp (mm) 10^{-2}	0.5Δp (mm) 10^{-2}	f (MPa)	ε	$\varepsilon_{regresi}$	$\varepsilon_{koreksi}$
0	0.00	0	0.0	0.0000	0.00000000	-2.498E-05	0.000E+00
500	4903.36	1	0.5	0.2745	0.00002495	2.624E-06	2.760E-05
1000	9806.71	1	0.5	0.5491	0.00002495	3.023E-05	5.520E-05
1500	14710.07	2	1.0	0.8236	0.00004990	5.783E-05	8.280E-05
2000	19613.42	3	1.5	1.0981	0.00007485	8.543E-05	1.104E-04
2500	24516.78	4	2.0	1.3727	0.00009980	1.130E-04	1.380E-04
3000	29420.13	5	2.5	1.6472	0.00012475	1.406E-04	1.656E-04
3500	34323.49	6	3.0	1.9217	0.00014970	1.682E-04	1.932E-04
4000	39226.84	8	4.0	2.1963	0.00019960	1.958E-04	2.208E-04
4500	44130.20	9	4.5	2.4708	0.00022455	2.234E-04	2.484E-04
5000	49033.55	10	5.0	2.7454	0.00024950	2.510E-04	2.760E-04
5500	53936.91	12	6.0	3.0199	0.00029940	2.786E-04	3.036E-04



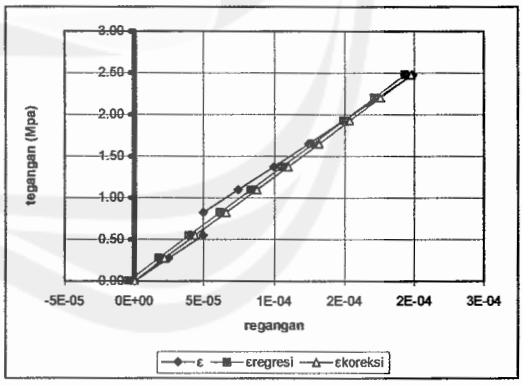
kode sampel:		56C1
d (mm)	P_O (mm)	A_O (mm^2)
151.15	200.9	17950.68

Beban (kgf)	Beban (N)	Δp (mm) 10^{-2}	0.5Δp (mm) 10^{-2}	f (MPa)	ε	$\varepsilon_{regresi}$	$\varepsilon_{koreksi}$
0	0.00	0	0.0	0.0000	0.00000000	-2.485E-05	0.000E+00
500	4903.36	0	0.0	0.2732	0.00000000	1.389E-06	2.624E-05
1000	9806.71	1	0.5	0.5463	0.00002489	2.763E-05	5.248E-05
1500	14710.07	2	1.0	0.8195	0.00004978	5.386E-05	7.871E-05
2000	19613.42	3	1.5	1.0926	0.00007466	8.010E-05	1.050E-04
2500	24516.78	4	2.0	1.3658	0.00009955	1.063E-04	1.312E-04
3000	29420.13	5	2.5	1.6389	0.00012444	1.326E-04	1.574E-04
3500	34323.49	6	3.0	1.9121	0.00014933	1.588E-04	1.837E-04
4000	39226.84	7	3.5	2.1853	0.00017422	1.851E-04	2.099E-04
4500	44130.20	9	4.5	2.4584	0.00022399	2.113E-04	2.361E-04
5000	49033.55	10	5.0	2.7316	0.00024888	2.375E-04	2.624E-04



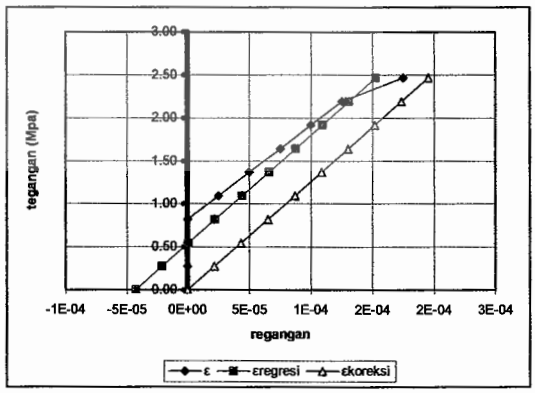
kode sampel:		56C4
d (mm)	P_O (mm)	A_O (mm^2)
150.58	201.38	17815.55

Beban (kgf)	Beban (N)	Δp (mm) 10^{-2}	0.5Δp (mm) 10^{-2}	f (MPa)	ε	$\varepsilon_{regresi}$	$\varepsilon_{koreksi}$
0	0.00	0	0.0	0.0000	0.00000000	-4.345E-06	0.000E+00
500	4903.36	1	0.5	0.2752	0.00002483	1.759E-05	2.193E-05
1000	9806.71	2	1.0	0.5505	0.00004966	3.952E-05	4.386E-05
1500	14710.07	2	1.0	0.8257	0.00004966	6.145E-05	6.580E-05
2000	19613.42	3	1.5	1.1009	0.00007449	8.338E-05	8.773E-05
2500	24516.78	4	2.0	1.3761	0.00009931	1.053E-04	1.097E-04
3000	29420.13	5	2.5	1.6514	0.00012414	1.272E-04	1.316E-04
3500	34323.49	6	3.0	1.9266	0.00014897	1.492E-04	1.535E-04
4000	39226.84	7	3.5	2.2018	0.00017380	1.711E-04	1.755E-04
4500	44130.20	8	4.0	2.4771	0.00019863	1.930E-04	1.974E-04



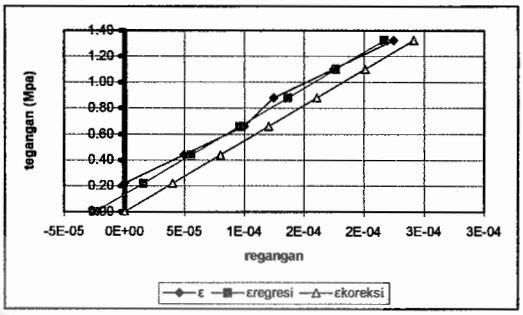
kode sampel:		56C5
d (mm)	P_O (mm)	A_O (mm^2)
150.92	200.6	17896.09

Beban (kgf)	Beban (N)	Δp (mm) 10^{-2}	0.5Δp (mm) 10^{-2}	f (MPa)	ε	$\varepsilon_{regresi}$	$\varepsilon_{koreksi}$
0	0.00	0	0.0	0.0000	0.00000000	-4.261E-05	0.000E+00
500	4903.36	0	0.0	0.2740	0.00000000	-2.095E-05	2.165E-05
1000	9806.71	0	0.0	0.5480	0.00000000	7.010E-07	4.331E-05
1500	14710.07	0	0.0	0.8220	0.00000000	2.235E-05	6.496E-05
2000	19613.42	1	0.5	1.0960	0.00002493	4.401E-05	8.662E-05
2500	24516.78	2	1.0	1.3700	0.00004985	6.566E-05	1.083E-04
3000	29420.13	3	1.5	1.6439	0.00007478	8.732E-05	1.299E-04
3500	34323.49	4	2.0	1.9179	0.00009970	1.090E-04	1.516E-04
4000	39226.84	5	2.5	2.1919	0.00012463	1.306E-04	1.732E-04
4500	44130.20	7	3.5	2.4659	0.00017448	1.523E-04	1.949E-04



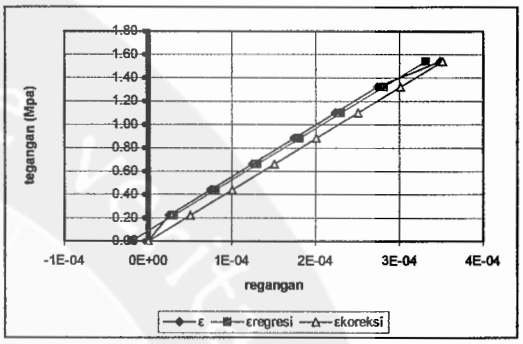
kode sampel:		7D1
d (mm)	P_O (mm)	A_O (mm^2)
150.4	200.55	17772.98

Beban (kgf)	Beban (N)	?p (mm) 10^{-2}	0.5?p (mm) 10^{-2}	f (MPa)	ε	$\varepsilon_{regresi}$	$\varepsilon_{koreksi}$
0	0.00	0	0.0	0.0000	0.00000000	-2.428E-05	0.000E+00
400	3922.68	0	0.0	0.2207	0.00000000	1.587E-05	4.015E-05
800	7845.37	2	1.0	0.4414	0.00004986	5.601E-05	8.030E-05
1200	11768.05	4	2.0	0.6621	0.00009973	9.616E-05	1.204E-04
1600	15690.74	5	2.5	0.8828	0.00012466	1.363E-04	1.606E-04
2000	19613.42	7	3.5	1.1036	0.00017452	1.765E-04	2.007E-04
2400	23536.10	9	4.5	1.3243	0.00022438	2.166E-04	2.409E-04



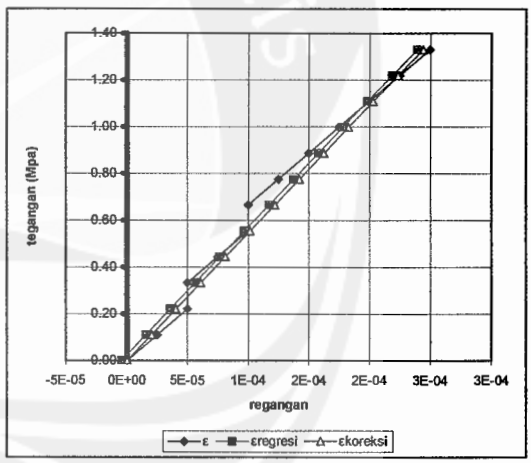
kode sampel:		7D2
d (mm)	P_O (mm)	A_O (mm^2)
150.47	201.15	17789.53

Beban (kgf)	Beban (N)	Δp (mm) 10^{-2}	0.5Δp (mm) 10^{-2}	f (MPa)	ε	$\varepsilon_{regresi}$	$\varepsilon_{koreksi}$
0	0.00	0	0.0	0.0000	0.00000000	-2.020E-05	0.000E+00
400	3922.68	1	0.5	0.2205	0.00002486	2.996E-05	5.016E-05
800	7845.37	3	1.5	0.4410	0.00007457	8.012E-05	1.003E-04
1200	11768.05	5	2.5	0.6615	0.00012429	1.303E-04	1.505E-04
1600	15690.74	7	3.5	0.8820	0.00017400	1.804E-04	2.006E-04
2000	19613.42	9	4.5	1.1025	0.00022371	2.306E-04	2.508E-04
2400	23536.10	11	5.5	1.3230	0.00027343	2.808E-04	3.009E-04
2800	27458.79	14	7.0	1.5435	0.00034800	3.309E-04	3.511E-04



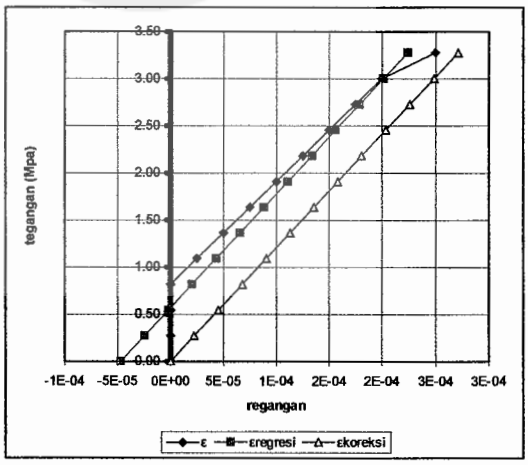
kode sampel:		7D3
d (mm)	P_O (mm)	A_O (mm^2)
150.03	200.5	17685.64

Beban (kgf)	Beban (N)	Δp (mm) 10^{-2}	0.5Δp (mm) 10^{-2}	f (MPa)	ε	$\varepsilon_{regresi}$	$\varepsilon_{koreksi}$
0	0.00	0	0.0	0.0000	0.00000000	-4.704E-06	0.000E+00
200	1961.34	1	0.5	0.1109	0.00002494	1.558E-05	2.029E-05
400	3922.68	2	1.0	0.2218	0.00004988	3.587E-05	4.057E-05
600	5884.03	2	1.0	0.3327	0.00004988	5.616E-05	6.086E-05
800	7845.37	3	1.5	0.4436	0.00007481	7.644E-05	8.115E-05
1000	9806.71	4	2.0	0.5545	0.00009975	9.673E-05	1.014E-04
1200	11768.05	4	2.0	0.6654	0.00009975	1.170E-04	1.217E-04
1400	13729.39	5	2.5	0.7763	0.00012469	1.373E-04	1.420E-04
1600	15690.74	6	3.0	0.8872	0.00014963	1.576E-04	1.623E-04
1800	17652.08	7	3.5	0.9981	0.00017456	1.779E-04	1.826E-04
2000	19613.42	8	4.0	1.1090	0.00019950	1.982E-04	2.029E-04
2200	21574.76	9	4.5	1.2199	0.00022444	2.184E-04	2.232E-04
2400	23536.10	10	5.0	1.3308	0.00024938	2.387E-04	2.434E-04



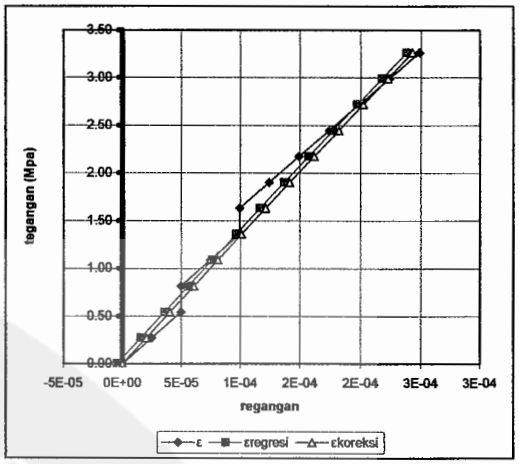
kode sampel:		14D1
d (mm)	P_O (mm)	A_O (mm^2)
151.17	200.6	17955.43

Beban (kgf)	Beban (N)	Δp (mm) 10^{-2}	0.5Δp (mm) 10^{-2}	f (MPa)	ε	$\varepsilon_{regresi}$	$\varepsilon_{koreksi}$
0	0.00	0	0.0	0.0000	0.00000000	-4.720E-05	0.000E+00
500	4903.36	0	0.0	0.2731	0.00000000	-2.463E-05	2.257E-05
1000	9806.71	0	0.0	0.5462	0.00000000	-2.065E-06	4.513E-05
1500	14710.07	0	0.0	0.8193	0.00000000	2.050E-05	6.770E-05
2000	19613.42	1	0.5	1.0923	0.00002493	4.307E-05	9.026E-05
2500	24516.78	2	1.0	1.3654	0.00004985	6.563E-05	1.128E-04
3000	29420.13	3	1.5	1.6385	0.00007478	8.820E-05	1.354E-04
3500	34323.49	4	2.0	1.9116	0.00009970	1.108E-04	1.580E-04
4000	39226.84	5	2.5	2.1847	0.00012463	1.333E-04	1.805E-04
4500	44130.20	6	3.0	2.4578	0.00014955	1.559E-04	2.031E-04
5000	49033.55	7	3.5	2.7308	0.00017448	1.785E-04	2.257E-04
5500	53936.91	8	4.0	3.0039	0.00019940	2.010E-04	2.482E-04
6000	58840.26	10	5.0	3.2770	0.00024925	2.236E-04	2.708E-04



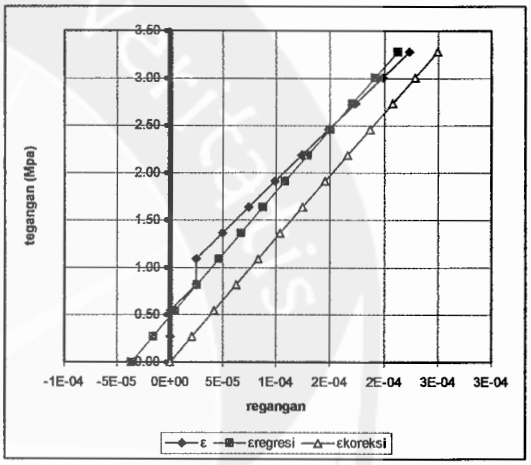
kode sampel:		14D2
d (mm)	P_O (mm)	A_O (mm^2)
151.45	201.3	18022.01

Beban (kgf)	Beban (N)	Δp (mm) 10^{-2}	0.5Δp (mm) 10^{-2}	f (MPa)	ε	$\varepsilon_{regresi}$	$\varepsilon_{koreksi}$
0	0.00	0	0.0	0.0000	0.00000000	-4.685E-06	0.000E+00
500	4903.36	1	0.5	0.2721	0.00002484	1.552E-05	2.021E-05
1000	9806.71	2	1.0	0.5442	0.00004968	3.573E-05	4.041E-05
1500	14710.07	2	1.0	0.8162	0.00004968	5.593E-05	6.062E-05
2000	19613.42	3	1.5	1.0883	0.00007452	7.614E-05	8.082E-05
2500	24516.78	4	2.0	1.3604	0.00009935	9.634E-05	1.010E-04
3000	29420.13	4	2.0	1.6325	0.00009935	1.166E-04	1.212E-04
3500	34323.49	5	2.5	1.9045	0.00012419	1.368E-04	1.414E-04
4000	39226.84	6	3.0	2.1766	0.00014903	1.570E-04	1.616E-04
4500	44130.20	7	3.5	2.4487	0.00017387	1.772E-04	1.819E-04
5000	49033.55	8	4.0	2.7208	0.00019871	1.974E-04	2.021E-04
5500	53936.91	9	4.5	2.9928	0.00022355	2.176E-04	2.223E-04
6000	58840.26	10	5.0	3.2649	0.00024839	2.378E-04	2.425E-04



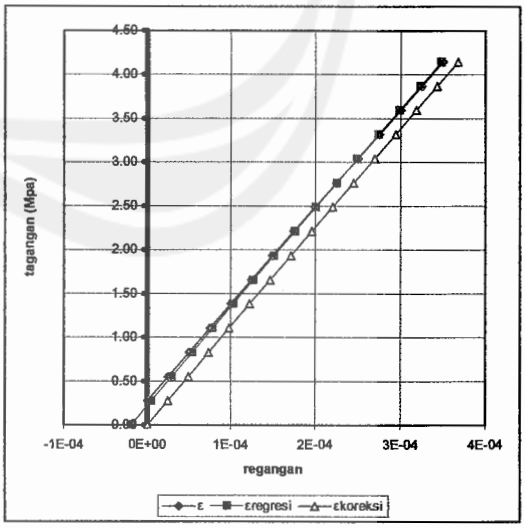
kode sampel:		14D3
d (mm)	P_O (mm)	A_O (mm^2)
151.1	202.1	17938.81

Beban (kgf)	Beban (N)	Δp (mm) 10^{-2}	0.5Δp (mm) 10^{-2}	f (MPa)	ε	$\varepsilon_{regresi}$	$\varepsilon_{koreksi}$
0	0.00	0	0.0	0.0000	0.00000000	-3.690E-05	0.000E+00
500	4903.36	0	0.0	0.2733	0.00000000	-1.616E-05	2.074E-05
1000	9806.71	0	0.0	0.5467	0.00000000	4.583E-06	4.148E-05
1500	14710.07	1	0.5	0.8200	0.00002474	2.532E-05	6.222E-05
2000	19613.42	1	0.5	1.0934	0.00002474	4.606E-05	8.296E-05
2500	24516.78	2	1.0	1.3667	0.00004948	6.680E-05	1.037E-04
3000	29420.13	3	1.5	1.6400	0.00007422	8.754E-05	1.244E-04
3500	34323.49	4	2.0	1.9134	0.00009896	1.083E-04	1.452E-04
4000	39226.84	5	2.5	2.1867	0.00012370	1.290E-04	1.659E-04
4500	44130.20	6	3.0	2.4600	0.00014844	1.498E-04	1.867E-04
5000	49033.55	7	3.5	2.7334	0.00017318	1.705E-04	2.074E-04
5500	53936.91	8	4.0	3.0067	0.00019792	1.912E-04	2.281E-04
6000	58840.26	9	4.5	3.2801	0.00022266	2.120E-04	2.489E-04



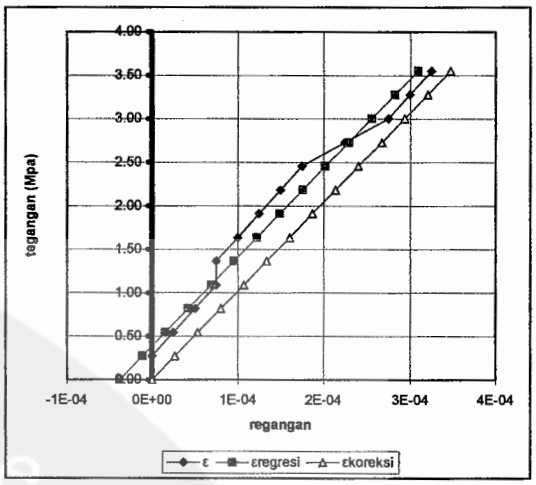
kode sampel:		28D1
d (mm)	P_O (mm)	A_O (mm^2)
150.23	200.45	17732.83

Beban (kgf)	Beban (N)	Δp (mm) 10^{-2}	0.5Δp (mm) 10^{-2}	f (MPa)	ε	$\varepsilon_{regresi}$	$\varepsilon_{koreksi}$
0	0.00	0	0.0	0.0000	0.00000000	-1.969E-05	0.000E+00
500	4903.36	0	0.0	0.2765	0.00000000	4.759E-06	2.445E-05
1000	9806.71	1	0.5	0.5530	0.00002494	2.921E-05	4.890E-05
1500	14710.07	2	1.0	0.8295	0.00004989	5.366E-05	7.335E-05
2000	19613.42	3	1.5	1.1061	0.00007483	7.811E-05	9.781E-05
2500	24516.78	4	2.0	1.3826	0.00009978	1.026E-04	1.223E-04
3000	29420.13	5	2.5	1.6591	0.00012472	1.270E-04	1.467E-04
3500	34323.49	6	3.0	1.9356	0.00014966	1.515E-04	1.712E-04
4000	39226.84	7	3.5	2.2121	0.00017461	1.759E-04	1.956E-04
4500	44130.20	8	4.0	2.4886	0.00019955	2.004E-04	2.201E-04
5000	49033.55	9	4.5	2.7651	0.00022449	2.248E-04	2.445E-04
5500	53936.91	10	5.0	3.0416	0.00024944	2.493E-04	2.690E-04
6000	58840.26	11	5.5	3.3182	0.00027438	2.737E-04	2.934E-04
6500	63743.62	12	6.0	3.5947	0.00029933	2.982E-04	3.179E-04
7000	68646.97	13	6.5	3.8712	0.00032427	3.226E-04	3.423E-04
7500	73550.33	14	7.0	4.1477	0.00034921	3.471E-04	3.668E-04



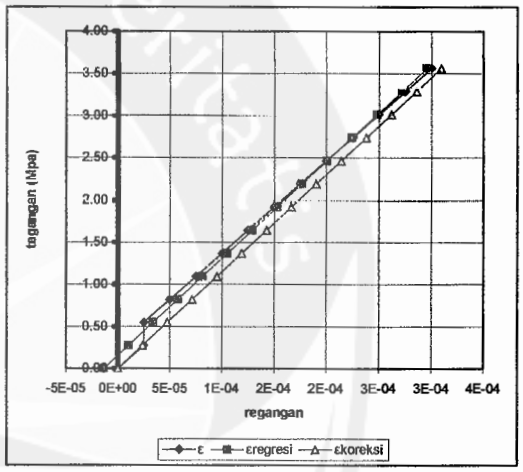
kode sampel:		28D2
d (mm)	P_O (mm)	A_O (mm^2)
151.13	200.7	17945.93

Beban (kgf)	Beban (N)	Δp (mm) 10^{-2}	0.5Δp (mm) 10^{-2}	f (MPa)	ε	$\varepsilon_{regresi}$	$\varepsilon_{koreksi}$
0	0.00	0	0.0	0.0000	0.00000000	-3.801E-05	0.000E+00
500	4903.36	0	0.0	0.2732	0.00000000	-1.136E-05	2.665E-05
1000	9806.71	1	0.5	0.5465	0.00002491	1.530E-05	5.331E-05
1500	14710.07	2	1.0	0.8197	0.00004983	4.195E-05	7.996E-05
2000	19613.42	3	1.5	1.0929	0.00007474	6.860E-05	1.066E-04
2500	24516.78	3	1.5	1.3661	0.00007474	9.526E-05	1.333E-04
3000	29420.13	4	2.0	1.6394	0.00009965	1.219E-04	1.599E-04
3500	34323.49	5	2.5	1.9126	0.00012456	1.486E-04	1.866E-04
4000	39226.84	6	3.0	2.1858	0.00014948	1.752E-04	2.132E-04
4500	44130.20	7	3.5	2.4591	0.00017439	2.019E-04	2.399E-04
5000	49033.55	9	4.5	2.7323	0.00022422	2.285E-04	2.665E-04
5500	53936.91	11	5.5	3.0055	0.00027404	2.552E-04	2.932E-04
6000	58840.26	12	6.0	3.2788	0.00029895	2.818E-04	3.199E-04
6500	63743.62	13	6.5	3.5520	0.00032387	3.085E-04	3.465E-04



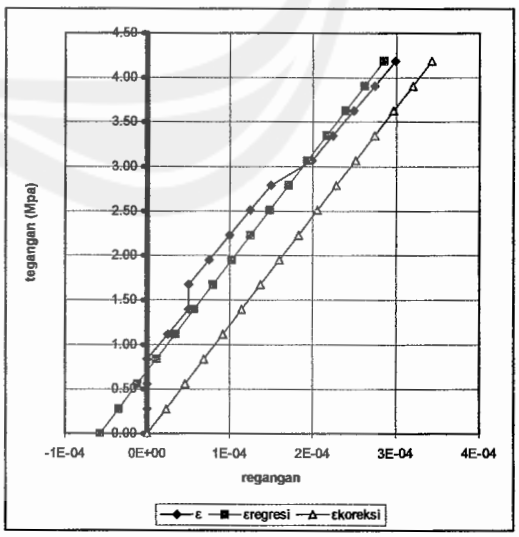
kode sampel:		28D3
d (mm)	P_O (mm)	A_O (mm^2)
150.9	200.35	17891.35

Beban (kgf)	Beban (N)	Δp (mm) 10^{-2}	0.5Δp (mm) 10^{-2}	f (MPa)	ε	$\varepsilon_{regresi}$	$\varepsilon_{koreksi}$
0	0.00	0	0.0	0.0000	0.00000000	-1.365E-05	0.000E+00
500	4903.36	1	0.5	0.2741	0.00002496	1.012E-05	2.377E-05
1000	9806.71	1	0.5	0.5481	0.00002496	3.388E-05	4.753E-05
1500	14710.07	2	1.0	0.8222	0.00004991	5.765E-05	7.130E-05
2000	19613.42	3	1.5	1.0963	0.00007487	8.141E-05	9.506E-05
2500	24516.78	4	2.0	1.3703	0.00009983	1.052E-04	1.188E-04
3000	29420.13	5	2.5	1.6444	0.00012478	1.289E-04	1.426E-04
3500	34323.49	6	3.0	1.9184	0.00014974	1.527E-04	1.664E-04
4000	39226.84	7	3.5	2.1925	0.00017469	1.765E-04	1.901E-04
4500	44130.20	8	4.0	2.4666	0.00019965	2.002E-04	2.139E-04
5000	49033.55	9	4.5	2.7406	0.00022461	2.240E-04	2.377E-04
5500	53936.91	10	5.0	3.0147	0.00024956	2.478E-04	2.614E-04
6000	58840.26	11	5.5	3.2888	0.00027452	2.715E-04	2.852E-04
6500	63743.62	12	6.0	3.5628	0.00029948	2.953E-04	3.089E-04



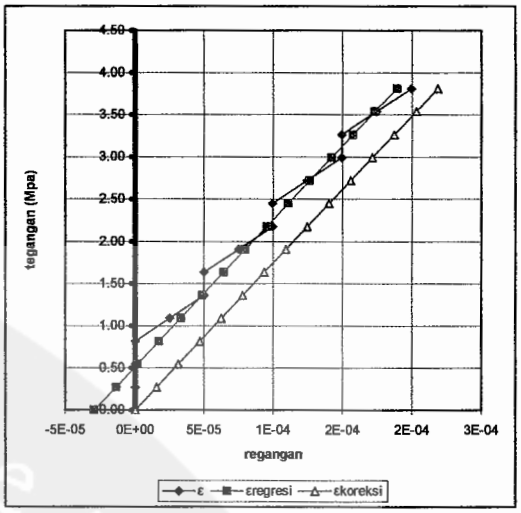
kode sampel:		56D1
d (mm)	P_O (mm)	A_O (mm^2)
149.54	201	17570.31

Beban (kgf)	Beban (N)	Δp (mm) 10^{-2}	0.5Δp (mm) 10^{-2}	f (MPa)	ε	$\varepsilon_{regresi}$	$\varepsilon_{koreksi}$
0	0.00	0	0.0	0.0000	0.00000000	-5.762E-05	0.000E+00
500	4903.36	0	0.0	0.2791	0.00000000	-3.480E-05	2.281E-05
1000	9806.71	0	0.0	0.5581	0.00000000	-1.199E-05	4.563E-05
1500	14710.07	0	0.0	0.8372	0.00000000	1.083E-05	6.844E-05
2000	19613.42	1	0.5	1.1163	0.00002488	3.364E-05	9.126E-05
2500	24516.78	2	1.0	1.3954	0.00004975	5.646E-05	1.141E-04
3000	29420.13	2	1.0	1.6744	0.00004975	7.927E-05	1.369E-04
3500	34323.49	3	1.5	1.9535	0.00007463	1.021E-04	1.597E-04
4000	39226.84	4	2.0	2.2326	0.00009950	1.249E-04	1.825E-04
4500	44130.20	5	2.5	2.5116	0.00012438	1.477E-04	2.053E-04
5000	49033.55	6	3.0	2.7907	0.00014925	1.705E-04	2.281E-04
5500	53936.91	8	4.0	3.0698	0.00019900	1.933E-04	2.510E-04
6000	58840.26	9	4.5	3.3488	0.00022388	2.162E-04	2.738E-04
6500	63743.62	10	5.0	3.6279	0.00024876	2.390E-04	2.966E-04
7000	68646.97	11	5.5	3.9070	0.00027363	2.618E-04	3.194E-04
7500	73550.33	12	6.0	4.1861	0.00029851	2.846E-04	3.422E-04



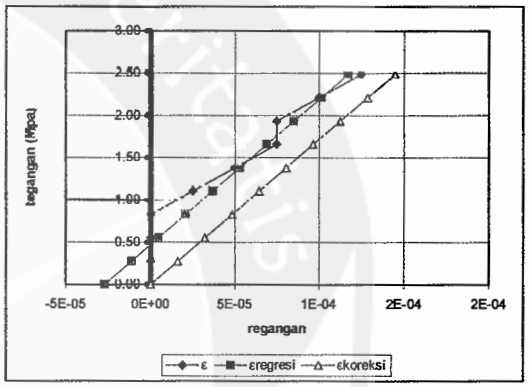
kode sampel:		56D2
d (mm)	P_O (mm)	A_O (mm^2)
151.38	200.86	18005.35

Beban (kgf)	Beban (N)	Δp (mm) 10^{-2}	0.5Δp (mm) 10^{-2}	f (MPa)	ε	$\varepsilon_{regresi}$	$\varepsilon_{koreksi}$
0	0.00	0	0.0	0.0000	0.00000000	-2.940E-05	0.000E+00
500	4903.36	0	0.0	0.2723	0.00000000	-1.382E-05	1.558E-05
1000	9806.71	0	0.0	0.5447	0.00000000	1.757E-06	3.116E-05
1500	14710.07	0	0.0	0.8170	0.00000000	1.734E-05	4.674E-05
2000	19613.42	1	0.5	1.0893	0.00002489	3.292E-05	6.232E-05
2500	24516.78	2	1.0	1.3616	0.00004979	4.850E-05	7.790E-05
3000	29420.13	2	1.0	1.6340	0.00004979	6.408E-05	9.348E-05
3500	34323.49	3	1.5	1.9063	0.00007468	7.966E-05	1.091E-04
4000	39226.84	4	2.0	2.1786	0.00009957	9.524E-05	1.246E-04
4500	44130.20	4	2.0	2.4509	0.00009957	1.108E-04	1.402E-04
5000	49033.55	5	2.5	2.7233	0.00012446	1.264E-04	1.558E-04
5500	53936.91	6	3.0	2.9956	0.00014936	1.420E-04	1.714E-04
6000	58840.26	6	3.0	3.2679	0.00014936	1.576E-04	1.870E-04
6500	63743.62	7	3.5	3.5403	0.00017425	1.731E-04	2.025E-04
7000	68646.97	8	4.0	3.8126	0.00019914	1.887E-04	2.181E-04



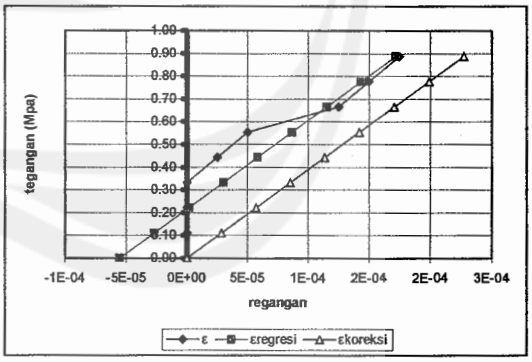
kode sampel:		56D3
d (mm)	P_O (mm)	A_O (mm^2)
150.2	200.7	17725.75

Beban (kgf)	Beban (N)	Δp (mm) 10^{-2}	0.5Δp (mm) 10^{-2}	f (MPa)	ε	$\varepsilon_{regresi}$	$\varepsilon_{koreksi}$
0	0.00	0	0.0	0.0000	0.00000000	-2.745E-05	0.000E+00
500	4903.36	0	0.0	0.2766	0.00000000	-1.139E-05	1.607E-05
1000	9806.71	0	0.0	0.5532	0.00000000	4.678E-06	3.213E-05
1500	14710.07	0	0.0	0.8299	0.00000000	2.074E-05	4.820E-05
2000	19613.42	1	0.5	1.1065	0.00002491	3.681E-05	6.426E-05
2500	24516.78	2	1.0	1.3831	0.00004983	5.288E-05	8.033E-05
3000	29420.13	3	1.5	1.6597	0.00007474	6.894E-05	9.640E-05
3500	34323.49	3	1.5	1.9364	0.00007474	8.501E-05	1.125E-04
4000	39226.84	4	2.0	2.2130	0.00009965	1.011E-04	1.285E-04
4500	44130.20	5	2.5	2.4896	0.00012456	1.171E-04	1.446E-04



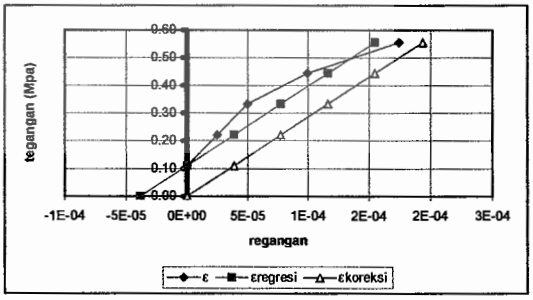
kode sampel:		7F1
d (mm)	P_O (mm)	A_O (mm^2)
150	200.5	17678.57

Beban (kgf)	Beban (N)	Δp (mm) 10^{-2}	0.5Δp (mm) 10^{-2}	f (MPa)	ε	$\varepsilon_{regresi}$	$\varepsilon_{koreksi}$
0	0.00	0	0.0	0.0000	0.00000000	-5.532E-05	0.000E+00
200	1961.34	0	0.0	0.1109	0.00000000	-2.694E-05	2.838E-05
400	3922.68	0	0.0	0.2219	0.00000000	1.433E-06	5.675E-05
600	5884.03	0	0.0	0.3328	0.00000000	2.981E-05	8.513E-05
800	7845.37	1	0.5	0.4438	0.00002494	5.819E-05	1.135E-04
1000	9806.71	2	1.0	0.5547	0.00004988	8.657E-05	1.419E-04
1200	11768.05	5	2.5	0.6657	0.00012469	1.149E-04	1.703E-04
1400	13729.39	6	3.0	0.7766	0.00014963	1.433E-04	1.986E-04
1600	15690.74	7	3.5	0.8876	0.00017456	1.717E-04	2.270E-04



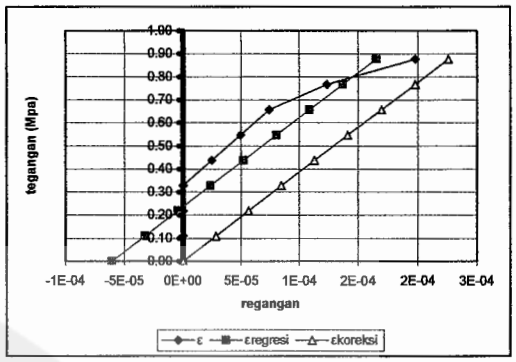
kode sampel:		7F2
d (mm)	P_O (mm)	A_O (mm^2)
149.9	201.3	17655.01

Beban (kgf)	Beban (N)	Δp (mm) 10^{-2}	0.5Δp (mm) 10^{-2}	f (MPa)	ε	$\varepsilon_{regresi}$	$\varepsilon_{koreksi}$
0	0.00	0	0.0	0.0000	0.00000000	-3.864E-05	0.000E+00
200	1961.34	0	0.0	0.1111	0.00000000	-3.379E-20	3.864E-05
400	3922.68	1	0.5	0.2222	0.00002484	3.864E-05	7.728E-05
600	5884.03	2	1.0	0.3333	0.00004968	7.728E-05	1.159E-04
800	7845.37	4	2.0	0.4444	0.00009935	1.159E-04	1.546E-04
1000	9806.71	7	3.5	0.5555	0.00017387	1.546E-04	1.932E-04



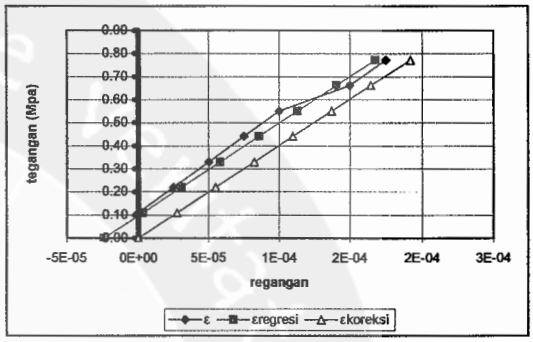
kode sampel:		7F3
d (mm)	P_O (mm)	A_O (mm^2)
150.93	202.6	17898.47

Beban (kgf)	Beban (N)	Δp (mm) 10^{-2}	0.5Δp (mm) 10^{-2}	f (MPa)	ε	$\varepsilon_{regresi}$	$\varepsilon_{koreksi}$
0	0.00	0	0.0	0.0000	0.00000000	-6.078E-05	0.000E+00
200	1961.34	0	0.0	0.1096	0.00000000	-3.256E-05	2.822E-05
400	3922.68	0	0.0	0.2192	0.00000000	-4.338E-06	5.644E-05
600	5884.03	0	0.0	0.3287	0.00000000	2.388E-05	8.466E-05
800	7845.37	1	0.5	0.4383	0.00002468	5.210E-05	1.129E-04
1000	9806.71	2	1.0	0.5479	0.00004936	8.032E-05	1.411E-04
1200	11768.05	3	1.5	0.6575	0.00007404	1.085E-04	1.693E-04
1400	13729.39	5	2.5	0.7671	0.00012340	1.368E-04	1.975E-04
1600	15690.74	8	4.0	0.8767	0.00019743	1.650E-04	2.258E-04



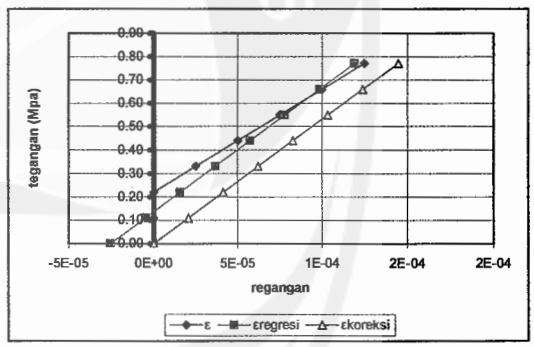
kode sampel:		14F1
d (mm)	P_O (mm)	A_O (mm^2)
150.4	200.4	17772.98

Beban (kgf)	Beban (N)	Δp (mm) 10^{-2}	0.5Δp (mm) 10^{-2}	f (MPa)	ε	$\varepsilon_{regresi}$	$\varepsilon_{koreksi}$
0	0.00	0	0.0	0.0000	0.00000000	-2.418E-05	0.000E+00
200	1961.34	0	0.0	0.1104	0.00000000	3.224E-06	2.740E-05
400	3922.68	1	0.5	0.2207	0.00002495	3.063E-05	5.481E-05
600	5884.03	2	1.0	0.3311	0.00004990	5.803E-05	8.221E-05
800	7845.37	3	1.5	0.4414	0.00007485	8.543E-05	1.096E-04
1000	9806.71	4	2.0	0.5518	0.00009980	1.128E-04	1.370E-04
1200	11768.05	6	3.0	0.6621	0.00014970	1.402E-04	1.644E-04
1400	13729.39	7	3.5	0.7725	0.00017465	1.676E-04	1.918E-04



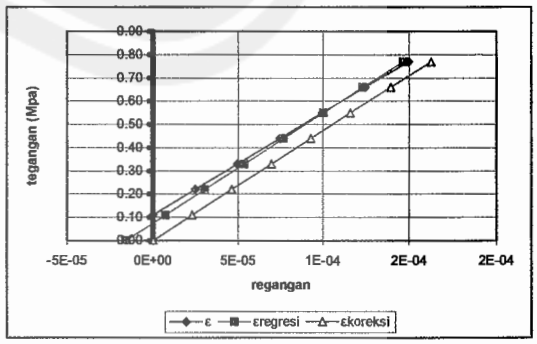
kode sampel:		14F2
d (mm)	P_O (mm)	A_O (mm^2)
150.53	200.3	17803.72

Beban (kgf)	Beban (N)	Δp (mm) 10^{-2}	0.5Δp (mm) 10^{-2}	f (MPa)	ε	$\varepsilon_{regresi}$	$\varepsilon_{koreksi}$
0	0.00	0	0.0	0.0000	0.00000000	-2.544E-05	0.000E+00
200	1961.34	0	0.0	0.1102	0.00000000	-4.800E-06	2.064E-05
400	3922.68	0	0.0	0.2203	0.00000000	1.584E-05	4.128E-05
600	5884.03	1	0.5	0.3305	0.00002496	3.648E-05	6.193E-05
800	7845.37	2	1.0	0.4407	0.00004993	5.713E-05	8.257E-05
1000	9806.71	3	1.5	0.5508	0.00007489	7.777E-05	1.032E-04
1200	11768.05	4	2.0	0.6610	0.00009985	9.841E-05	1.239E-04
1400	13729.39	5	2.5	0.7712	0.00012481	1.191E-04	1.445E-04



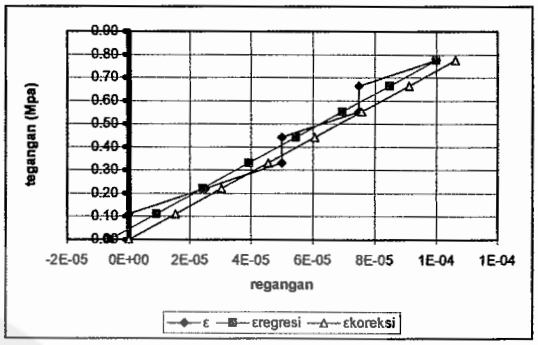
kode sampel:		14F3
d (mm)	P_O (mm)	A_O (mm^2)
150.63	201	17827.38

Beban (kgf)	Beban (N)	Δp (mm) 10^{-2}	0.5Δp (mm) 10^{-2}	f (MPa)	ε	$\varepsilon_{regresi}$	$\varepsilon_{koreksi}$
0	0.00	0	0.0	0.0000	0.00000000	-1.583E-05	0.000E+00
200	1961.34	0	0.0	0.1100	0.00000000	7.350E-06	2.318E-05
400	3922.68	1	0.5	0.2200	0.00002488	3.053E-05	4.636E-05
600	5884.03	2	1.0	0.3301	0.00004975	5.371E-05	6.954E-05
800	7845.37	3	1.5	0.4401	0.00007463	7.689E-05	9.272E-05
1000	9806.71	4	2.0	0.5501	0.00009950	1.001E-04	1.159E-04
1200	11768.05	5	2.5	0.6601	0.00012438	1.232E-04	1.391E-04
1400	13729.39	6	3.0	0.7701	0.00014925	1.464E-04	1.623E-04



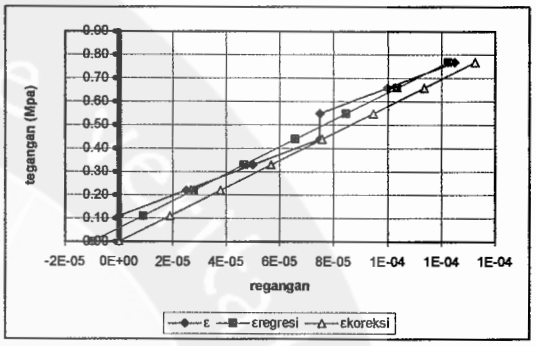
kode sampel:		28F1
d (mm)	P_O (mm)	A_O (mm^2)
150.15	200.35	17713.95

Beban (kgf)	Beban (N)	Δp (mm) 10^{-2}	0.5Δp (mm) 10^{-2}	f (MPa)	ε	$\varepsilon_{regresi}$	$\varepsilon_{koreksi}$
0	0.00	0	0.0	0.0000	0.00000000	-6.239E-06	0.000E+00
200	1961.34	0	0.0	0.1107	0.00000000	8.913E-06	1.515E-05
400	3922.68	1	0.5	0.2214	0.00002496	2.407E-05	3.030E-05
600	5884.03	2	1.0	0.3322	0.00004991	3.922E-05	4.546E-05
800	7845.37	2	1.0	0.4429	0.00004991	5.437E-05	6.061E-05
1000	9806.71	3	1.5	0.5536	0.00007487	6.952E-05	7.576E-05
1200	11768.05	3	1.5	0.6643	0.00007487	8.467E-05	9.091E-05
1400	13729.39	4	2.0	0.7751	0.00009983	9.983E-05	1.061E-04



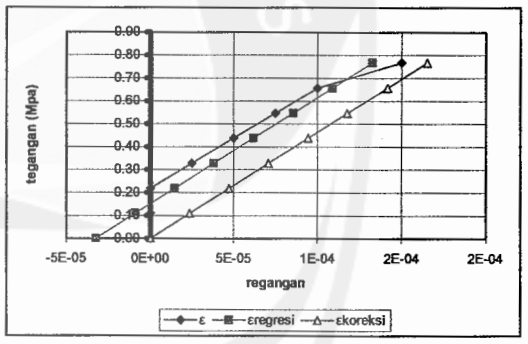
kode sampel:		28F2
d (mm)	P_O (mm)	A_O (mm^2)
150.83	200.4	17874.76

Beban (kgf)	Beban (N)	Δp (mm) 10^{-2}	0.5Δp (mm) 10^{-2}	f (MPa)	ε	$\varepsilon_{regresi}$	$\varepsilon_{koreksi}$
0	0.00	0	0.0	0.0000	0.00000000	-1.006E-05	0.000E+00
200	1961.34	0	0.0	0.1097	0.00000000	8.853E-06	1.891E-05
400	3922.68	1	0.5	0.2195	0.00002495	2.777E-05	3.783E-05
600	5884.03	2	1.0	0.3292	0.00004990	4.668E-05	5.674E-05
800	7845.37	3	1.5	0.4389	0.00007485	6.559E-05	7.566E-05
1000	9806.71	3	1.5	0.5486	0.00007485	8.451E-05	9.457E-05
1200	11768.05	4	2.0	0.6584	0.00009980	1.034E-04	1.135E-04
1400	13729.39	5	2.5	0.7681	0.00012475	1.223E-04	1.324E-04



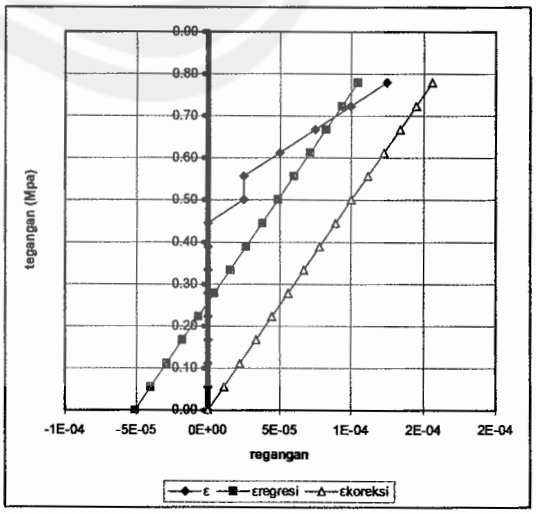
kode sampel:		28F3
d (mm)	P_O (mm)	A_O (mm^2)
150.93	200.4	17898.47

Beban (kgf)	Beban (N)	Δp (mm) 10^{-2}	0.5Δp (mm) 10^{-2}	f (MPa)	ε	$\varepsilon_{regresi}$	$\varepsilon_{koreksi}$
0	0.00	0	0.0	0.0000	0.00000000	-3.257E-05	0.000E+00
200	1961.34	0	0.0	0.1096	0.00000000	-9.010E-06	2.356E-05
400	3922.68	0	0.0	0.2192	0.00000000	1.455E-05	4.713E-05
600	5884.03	1	0.5	0.3287	0.00002495	3.812E-05	7.069E-05
800	7845.37	2	1.0	0.4383	0.00004990	6.168E-05	9.426E-05
1000	9806.71	3	1.5	0.5479	0.00007485	8.525E-05	1.178E-04
1200	11768.05	4	2.0	0.6575	0.00009980	1.088E-04	1.414E-04
1400	13729.39	6	3.0	0.7671	0.00014970	1.324E-04	1.649E-04



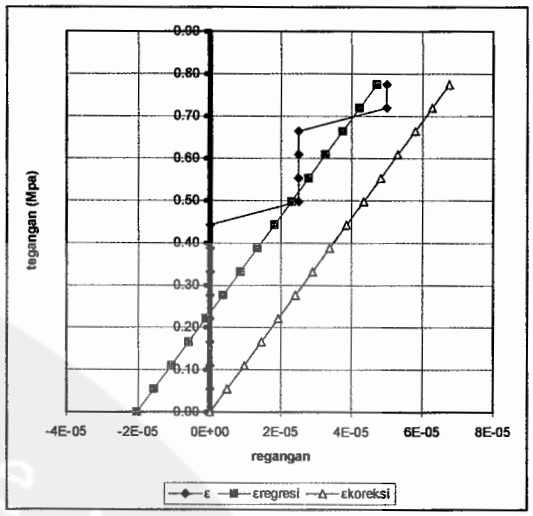
kode sampel:		56F1.
d (mm)	P_O (mm)	A_O (mm^2)
149.74	201.06	17617.34

Beban (kgf)	Beban (N)	Δp (mm) 10^{-2}	0.5Δp (mm) 10^{-2}	f (MPa)	ε	$\varepsilon_{regresi}$	$\varepsilon_{koreksi}$
0	0.00	0	0.0	0.0000	0.00000000	-5.138E-05	0.000E+00
100	980.67	0	0.0	0.0557	0.00000000	-4.025E-05	1.113E-05
200	1961.34	0	0.0	0.1113	0.00000000	-2.912E-05	2.226E-05
300	2942.01	0	0.0	0.1670	0.00000000	-1.799E-05	3.339E-05
400	3922.68	0	0.0	0.2227	0.00000000	-6.860E-06	4.452E-05
500	4903.36	0	0.0	0.2783	0.00000000	4.269E-06	5.564E-05
600	5884.03	0	0.0	0.3340	0.00000000	1.540E-05	6.677E-05
700	6864.70	0	0.0	0.3897	0.00000000	2.653E-05	7.790E-05
800	7845.37	0	0.0	0.4453	0.00000000	3.765E-05	8.903E-05
900	8826.04	1	0.5	0.5010	0.00002487	4.878E-05	1.002E-04
1000	9806.71	1	0.5	0.5567	0.00002487	5.991E-05	1.113E-04
1100	10787.38	2	1.0	0.6123	0.00004974	7.104E-05	1.224E-04
1200	11768.05	3	1.5	0.6680	0.00007460	8.217E-05	1.335E-04
1300	12748.72	4	2.0	0.7236	0.00009947	9.330E-05	1.447E-04
1400	13729.39	5	2.5	0.7793	0.00012434	1.044E-04	1.558E-04



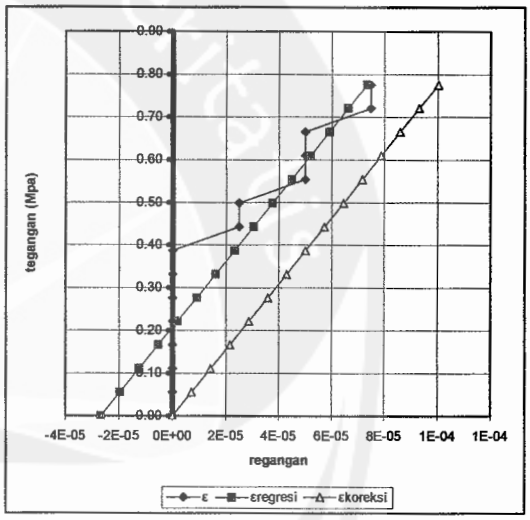
kode sampel:		56F3
d (mm)	P_O (mm)	A_O (mm^2)
150.13	200.76	17709.23

Beban (kgf)	Beban (N)	Δp (mm) 10^{-2}	0.5Δp (mm) 10^{-2}	f (MPa)	ε	$\varepsilon_{regresi}$	$\varepsilon_{koreksi}$
0	0.00	0	0.0	0.0000	0.00000000	-2.042E-05	0.000E+00
100	980.67	0	0.0	0.0554	0.00000000	-1.561E-05	4.815E-06
200	1961.34	0	0.0	0.1108	0.00000000	-1.079E-05	9.630E-06
300	2942.01	0	0.0	0.1661	0.00000000	-5.977E-06	1.445E-05
400	3922.68	0	0.0	0.2215	0.00000000	-1.162E-06	1.926E-05
500	4903.36	0	0.0	0.2769	0.00000000	3.653E-06	2.408E-05
600	5884.03	0	0.0	0.3323	0.00000000	8.468E-06	2.889E-05
700	6864.70	0	0.0	0.3876	0.00000000	1.328E-05	3.371E-05
800	7845.37	0	0.0	0.4430	0.00000000	1.810E-05	3.852E-05
900	8826.04	1	0.5	0.4984	0.00002491	2.291E-05	4.334E-05
1000	9806.71	1	0.5	0.5538	0.00002491	2.773E-05	4.815E-05
1100	10787.38	1	0.5	0.6091	0.00002491	3.254E-05	5.297E-05
1200	11768.05	1	0.5	0.6645	0.00002491	3.736E-05	5.778E-05
1300	12748.72	2	1.0	0.7199	0.00004981	4.217E-05	6.260E-05
1400	13729.39	2	1.0	0.7753	0.00004981	4.699E-05	6.741E-05



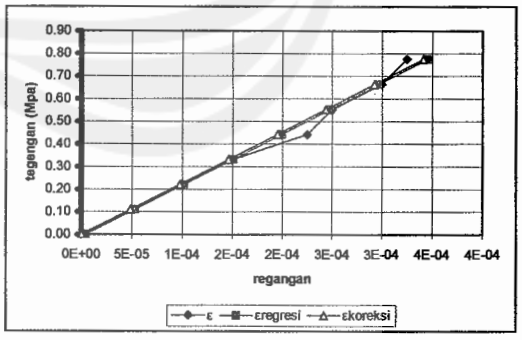
kode sampel:		56F4
d (mm)	P_O (mm)	A_O (mm^2)
150.09	200.5	17699.79

Beban (kgf)	Beban (N)	Δp (mm) 10^{-2}	0.5Δp (mm) 10^{-2}	f (MPa)	ε	$\varepsilon_{regresi}$	$\varepsilon_{koreksi}$
0	0.00	0	0.0	0.0000	0.00000000	-2.680E-05	0.000E+00
100	980.67	0	0.0	0.0554	0.00000000	-1.965E-05	7.154E-06
200	1961.34	0	0.0	0.1108	0.00000000	-1.249E-05	1.431E-05
300	2942.01	0	0.0	0.1662	0.00000000	-5.340E-06	2.146E-05
400	3922.68	0	0.0	0.2216	0.00000000	1.814E-06	2.862E-05
500	4903.36	0	0.0	0.2770	0.00000000	8.967E-06	3.577E-05
600	5884.03	0	0.0	0.3324	0.00000000	1.612E-05	4.292E-05
700	6864.70	0	0.0	0.3878	0.00000000	2.328E-05	5.008E-05
800	7845.37	1	0.5	0.4432	0.00002494	3.043E-05	5.723E-05
900	8826.04	1	0.5	0.4987	0.00002494	3.758E-05	6.438E-05
1000	9806.71	2	1.0	0.5541	0.00004988	4.474E-05	7.154E-05
1100	10787.38	2	1.0	0.6095	0.00004988	5.189E-05	7.869E-05
1200	11768.05	2	1.0	0.6649	0.00004988	5.904E-05	8.585E-05
1300	12748.72	3	1.5	0.7203	0.00007481	6.620E-05	9.300E-05
1400	13729.39	3	1.5	0.7757	0.00007481	7.335E-05	1.002E-04



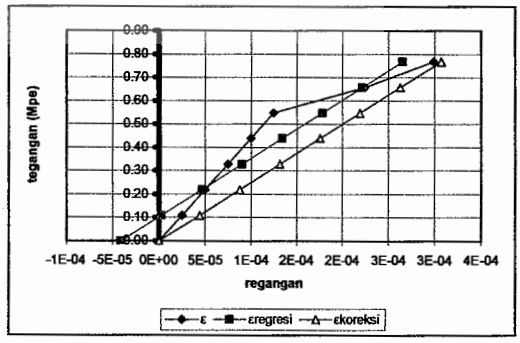
kode sampel:		7G1
d (mm)	P_O (mm)	A_O (mm^2)
150.03	200.3	17685.64

Beban (kgf)	Beban (N)	Δp (mm) 10^{-2}	0.5Δp (mm) 10^{-2}	f (MPa)	ε	$\varepsilon_{regresi}$	$\varepsilon_{koreksi}$
0	0.00	0	0.0	0.0000	0.00000000	4.315E-06	0.000E+00
200	1961.34	2	1.0	0.1109	0.00004993	5.301E-05	4.869E-05
400	3922.68	4	2.0	0.2218	0.00009985	1.017E-04	9.738E-05
600	5884.03	6	3.0	0.3327	0.00014978	1.504E-04	1.461E-04
800	7845.37	9	4.5	0.4436	0.00022466	1.991E-04	1.948E-04
1000	9806.71	10	5.0	0.5545	0.00024963	2.478E-04	2.435E-04
1200	11768.05	12	6.0	0.6654	0.00029955	2.965E-04	2.922E-04
1400	13729.39	13	6.5	0.7763	0.00032451	3.452E-04	3.408E-04



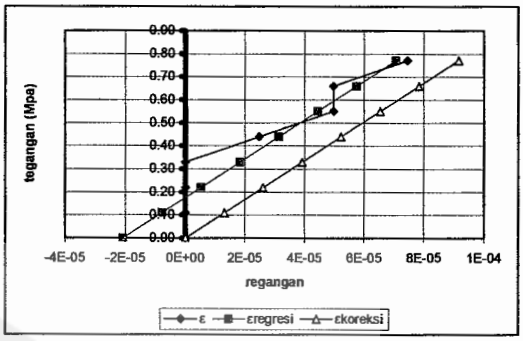
kode sampel:		7G2
d (mm)	P_O (mm)	A_O (mm^2)
150.9	201.05	17891.35

Beban (kgf)	Beban (N)	Δp (mm) 10^{-2}	0.5Δp (mm) 10^{-2}	f (MPa)	ε	$\varepsilon_{regresi}$	$\varepsilon_{koreksi}$
0	0.00	0	0.0	0.0000	0.00000000	-4.139E-05	0.000E+00
200	1961.34	1	0.5	0.1096	0.00002487	2.413E-06	4.380E-05
400	3922.68	2	1.0	0.2193	0.00004974	4.621E-05	8.760E-05
600	5884.03	3	1.5	0.3289	0.00007461	9.001E-05	1.314E-04
800	7845.37	4	2.0	0.4385	0.00009948	1.338E-04	1.752E-04
1000	9806.71	5	2.5	0.5481	0.00012435	1.776E-04	2.190E-04
1200	11768.05	9	4.5	0.6578	0.00022382	2.214E-04	2.628E-04
1400	13729.39	12	6.0	0.7674	0.00029843	2.652E-04	3.066E-04



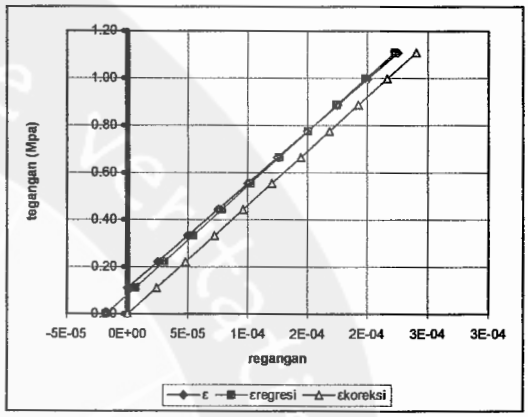
kode sampel:		7G3
d (mm)	P_O (mm)	A_O (mm^2)
150.53	201.5	17803.72

Beban (kgf)	Beban (N)	Δp (mm) 10^{-2}	0.5Δp (mm) 10^{-2}	f (MPa)	ε	$\varepsilon_{regresi}$	$\varepsilon_{koreksi}$
0	0.00	0	0.0	0.0000	0.00000000	-2.090E-05	0.000E+00
200	1961.34	0	0.0	0.1102	0.00000000	-7.836E-06	1.306E-05
400	3922.68	0	0.0	0.2203	0.00000000	5.224E-06	2.612E-05
600	5884.03	0	0.0	0.3305	0.00000000	1.828E-05	3.918E-05
800	7845.37	1	0.5	0.4407	0.00002481	3.134E-05	5.224E-05
1000	9806.71	2	1.0	0.5508	0.00004963	4.440E-05	6.530E-05
1200	11768.05	2	1.0	0.6610	0.00004963	5.746E-05	7.836E-05
1400	13729.39	3	1.5	0.7712	0.00007444	7.052E-05	9.142E-05



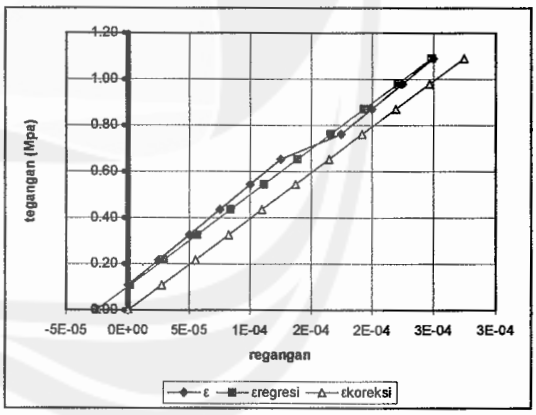
kode sampel:		14G1
d (mm)	P_O (mm)	A_O (mm^2)
150.03	200.1	17685.64

Beban (kgf)	Beban (N)	Δp (mm) 10^{-2}	0.5Δp (mm) 10^{-2}	f (MPa)	ε	$\varepsilon_{regresi}$	$\varepsilon_{koreksi}$
0	0.00	0	0.0	0.0000	0.00000000	-1.785E-05	0.000E+00
200	1961.34	0	0.0	0.1109	0.00000000	6.166E-06	2.401E-05
400	3922.68	1	0.5	0.2218	0.00002499	3.018E-05	4.803E-05
600	5884.03	2	1.0	0.3327	0.00004998	5.419E-05	7.204E-05
800	7845.37	3	1.5	0.4436	0.00007496	7.821E-05	9.606E-05
1000	9806.71	4	2.0	0.5545	0.00009995	1.022E-04	1.201E-04
1200	11768.05	5	2.5	0.6654	0.00012494	1.262E-04	1.441E-04
1400	13729.39	6	3.0	0.7763	0.00014993	1.502E-04	1.681E-04
1600	15690.74	7	3.5	0.8872	0.00017491	1.743E-04	1.921E-04
1800	17652.08	8	4.0	0.9981	0.00019990	1.983E-04	2.161E-04
2000	19613.42	9	4.5	1.1090	0.00022489	2.223E-04	2.401E-04



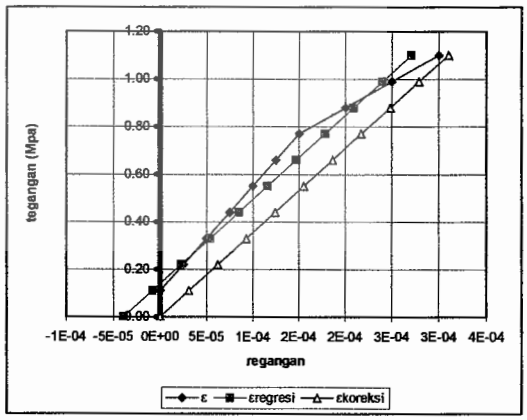
kode sampel:		14G2
d (mm)	P_O (mm)	A_O (mm^2)
151.4	200.5	18010.11

Beban (kgf)	Beban (N)	Δp (mm) 10^{-2}	0.5Δp (mm) 10^{-2}	f (MPa)	ε	$\varepsilon_{regresi}$	$\varepsilon_{koreksi}$
0	0.00	0	0.0	0.0000	0.00000000	-2.589E-05	0.000E+00
200	1961.34	0	0.0	0.1089	0.00000000	1.505E-06	2.740E-05
400	3922.68	1	0.5	0.2178	0.00002494	2.890E-05	5.479E-05
600	5884.03	2	1.0	0.3267	0.00004988	5.630E-05	8.219E-05
800	7845.37	3	1.5	0.4356	0.00007481	8.369E-05	1.096E-04
1000	9806.71	4	2.0	0.5445	0.00009975	1.111E-04	1.370E-04
1200	11768.05	5	2.5	0.6534	0.00012469	1.385E-04	1.644E-04
1400	13729.39	7	3.5	0.7623	0.00017456	1.659E-04	1.918E-04
1600	15690.74	8	4.0	0.8712	0.00019950	1.933E-04	2.192E-04
1800	17652.08	9	4.5	0.9801	0.00022444	2.207E-04	2.466E-04
2000	19613.42	10	5.0	1.0890	0.00024938	2.481E-04	2.740E-04



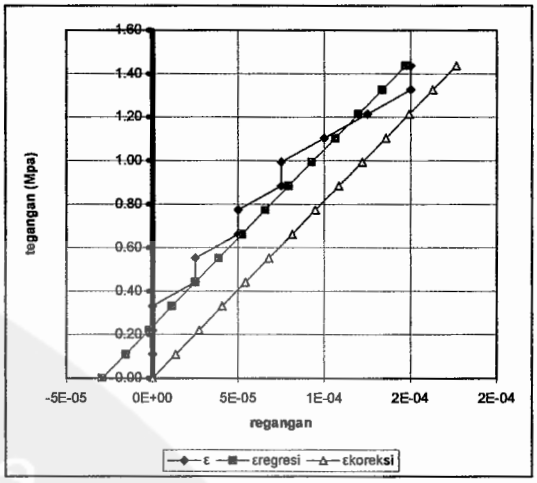
kode sampel:		14G3
d (mm)	P_O (mm)	A_O (mm^2)
150.58	200.3	17815.55

Beban (kgf)	Beban (N)	Δp (mm) 10^{-2}	0.5Δp (mm) 10^{-2}	f (MPa)	ε	$\varepsilon_{regresi}$	$\varepsilon_{koreksi}$
0	0.00	0	0.0	0.0000	0.00000000	-3.913E-05	0.000E+00
200	1961.34	0	0.0	0.1101	0.00000000	-8.159E-06	3.097E-05
400	3922.68	1	0.5	0.2202	0.00002496	2.281E-05	6.195E-05
600	5884.03	2	1.0	0.3303	0.00004993	5.379E-05	9.292E-05
800	7845.37	3	1.5	0.4404	0.00007489	8.476E-05	1.239E-04
1000	9806.71	4	2.0	0.5505	0.00009985	1.157E-04	1.549E-04
1200	11768.05	5	2.5	0.6605	0.00012481	1.467E-04	1.858E-04
1400	13729.39	6	3.0	0.7706	0.00014978	1.777E-04	2.168E-04
1600	15690.74	8	4.0	0.8807	0.00019970	2.087E-04	2.478E-04
1800	17652.08	10	5.0	0.9908	0.00024963	2.396E-04	2.788E-04
2000	19613.42	12	6.0	1.1009	0.00029955	2.706E-04	3.097E-04



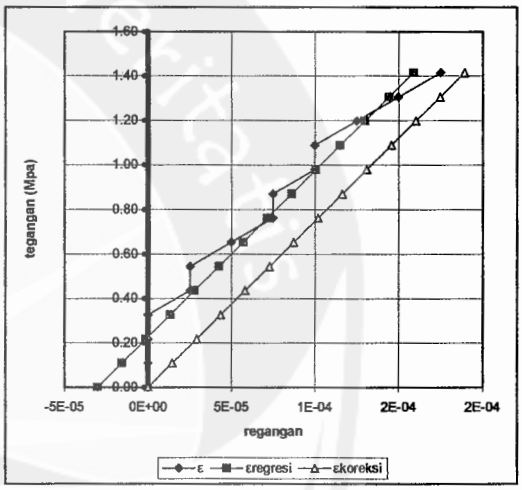
kode sampel:		28G1
d (mm)	P_O (mm)	A_O (mm^2)
150.3	200.25	17749.36

Beban (kgf)	Beban (N)	Δp (mm) 10^{-2}	0.5Δp (mm) 10^{-2}	f (MPa)	ε	$\varepsilon_{regresi}$	$\varepsilon_{koreksi}$
0	0.00	0	0.0	0.0000	0.00000000	-2.921E-05	0.000E+00
200	1961.34	0	0.0	0.1105	0.00000000	-1.566E-05	1.355E-05
400	3922.68	0	0.0	0.2210	0.00000000	-2.113E-06	2.710E-05
600	5884.03	0	0.0	0.3315	0.00000000	1.144E-05	4.065E-05
800	7845.37	1	0.5	0.4420	0.00002497	2.498E-05	5.419E-05
1000	9806.71	1	0.5	0.5525	0.00002497	3.853E-05	6.774E-05
1200	11768.05	2	1.0	0.6630	0.00004994	5.208E-05	8.129E-05
1400	13729.39	2	1.0	0.7735	0.00004994	6.563E-05	9.484E-05
1600	15690.74	3	1.5	0.8840	0.00007491	7.918E-05	1.084E-04
1800	17652.08	3	1.5	0.9945	0.00007491	9.273E-05	1.219E-04
2000	19613.42	4	2.0	1.1050	0.00009988	1.063E-04	1.355E-04
2200	21574.76	5	2.5	1.2155	0.00012484	1.198E-04	1.490E-04
2400	23536.10	6	3.0	1.3260	0.00014981	1.334E-04	1.626E-04
2600	25497.45	6	3.0	1.4365	0.00014981	1.469E-04	1.761E-04



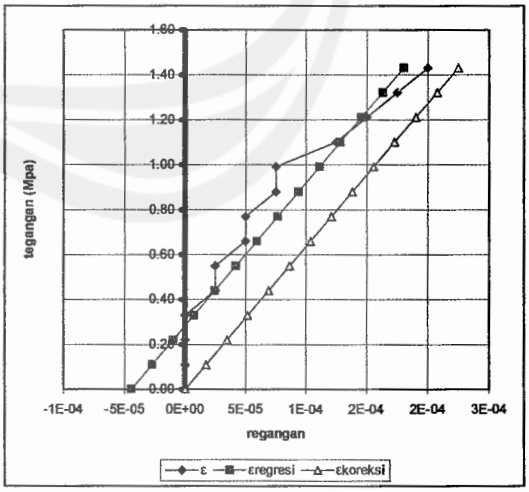
kode sampel:		28G2
d (mm)	P_O (mm)	A_O (mm^2)
151.4	200.5	18010.11

Beban (kgf)	Beban (N)	Δp (mm) 10^{-2}	0.5Δp (mm) 10^{-2}	f (MPa)	ε	$\varepsilon_{regresi}$	$\varepsilon_{koreksi}$
0	0.00	0	0.0	0.0000	0.00000000	-3.034E-05	0.000E+00
200	1961.34	0	0.0	0.1089	0.00000000	-1.581E-05	1.453E-05
400	3922.68	0	0.0	0.2178	0.00000000	-1.272E-06	2.907E-05
600	5884.03	0	0.0	0.3267	0.00000000	1.326E-05	4.360E-05
800	7845.37	1	0.5	0.4356	0.00002494	2.779E-05	5.813E-05
1000	9806.71	1	0.5	0.5445	0.00002494	4.233E-05	7.266E-05
1200	11768.05	2	1.0	0.6534	0.00004988	5.686E-05	8.720E-05
1400	13729.39	3	1.5	0.7623	0.00007481	7.139E-05	1.017E-04
1600	15690.74	3	1.5	0.8712	0.00007481	8.592E-05	1.163E-04
1800	17652.08	4	2.0	0.9801	0.00009975	1.005E-04	1.308E-04
2000	19613.42	4	2.0	1.0890	0.00009975	1.150E-04	1.453E-04
2200	21574.76	5	2.5	1.1979	0.00012469	1.295E-04	1.599E-04
2400	23536.10	6	3.0	1.3068	0.00014963	1.441E-04	1.744E-04
2600	25497.45	7	3.5	1.4157	0.00017456	1.586E-04	1.889E-04



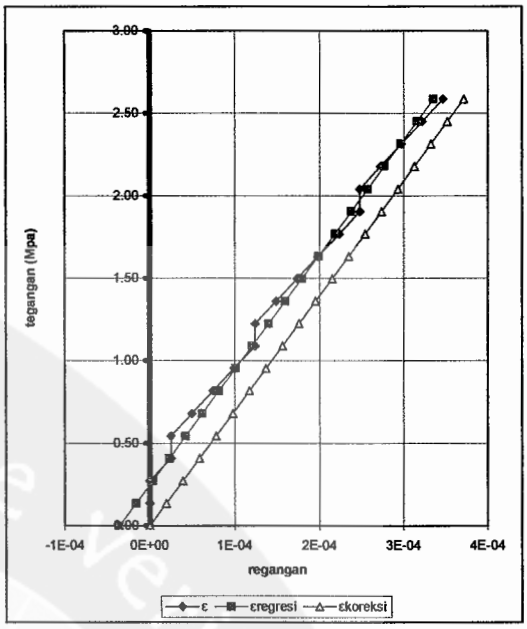
kode sampel:		28G3
d (mm)	P_O (mm)	A_O (mm^2)
150.58	200.3	17815.55

Beban (kgf)	Beban (N)	Δp (mm) 10^{-2}	0.5Δp (mm) 10^{-2}	f (MPa)	ε	$\varepsilon_{regresi}$	$\varepsilon_{koreksi}$
0	0.00	0	0.0	0.0000	0.00000000	-4.441E-05	0.000E+00
200	1961.34	0	0.0	0.1101	0.00000000	-2.716E-05	1.726E-05
400	3922.68	0	0.0	0.2202	0.00000000	-9.900E-06	3.451E-05
600	5884.03	0	0.0	0.3303	0.00000000	7.357E-06	5.177E-05
800	7845.37	1	0.5	0.4404	0.00002496	2.461E-05	6.903E-05
1000	9806.71	1	0.5	0.5505	0.00002496	4.187E-05	8.628E-05
1200	11768.05	2	1.0	0.6605	0.00004993	5.913E-05	1.035E-04
1400	13729.39	2	1.0	0.7706	0.00004993	7.638E-05	1.208E-04
1600	15690.74	3	1.5	0.8807	0.00007489	9.364E-05	1.381E-04
1800	17652.08	3	1.5	0.9908	0.00007489	1.109E-04	1.553E-04
2000	19613.42	5	2.5	1.1009	0.00012481	1.282E-04	1.726E-04
2200	21574.76	6	3.0	1.2110	0.00014978	1.454E-04	1.898E-04
2400	23536.10	7	3.5	1.3211	0.00017474	1.627E-04	2.071E-04
2600	25497.45	8	4.0	1.4312	0.00019970	1.799E-04	2.243E-04



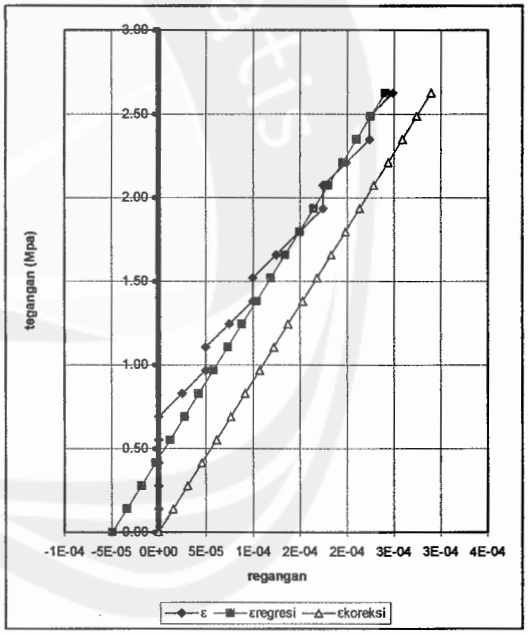
kode sampel:		56G3
d (mm)	P_O (mm)	A_O (mm^2)
151.38	202.1	18005.35

Beban (kgf)	Beban (N)	Δp (mm) 10^{-2}	0.5Δp (mm) 10^{-2}	f (MPa)	ε	$\varepsilon_{regresi}$	$\varepsilon_{koreksi}$
0	0.00	0	0.0	0.0000	0.00000000	-3.570E-05	0.000E+00
250	2451.68	0	0.0	0.1362	0.00000000	-1.618E-05	1.951E-05
500	4903.36	0	0.0	0.2723	0.00000000	3.331E-06	3.903E-05
750	7355.03	1	0.5	0.4085	0.00002474	2.284E-05	5.854E-05
1000	9806.71	1	0.5	0.5447	0.00002474	4.236E-05	7.805E-05
1250	12258.39	2	1.0	0.6808	0.00004948	6.187E-05	9.757E-05
1500	14710.07	3	1.5	0.8170	0.00007422	8.138E-05	1.171E-04
1750	17161.74	4	2.0	0.9531	0.00009896	1.009E-04	1.366E-04
2000	19613.42	5	2.5	1.0893	0.00012370	1.204E-04	1.561E-04
2250	22065.10	5	2.5	1.2255	0.00012370	1.399E-04	1.756E-04
2500	24516.78	6	3.0	1.3616	0.00014844	1.594E-04	1.951E-04
2750	26968.45	7	3.5	1.4978	0.00017318	1.789E-04	2.146E-04
3000	29420.13	8	4.0	1.6340	0.00019792	1.985E-04	2.342E-04
3250	31871.81	9	4.5	1.7701	0.00022266	2.180E-04	2.537E-04
3500	34323.49	10	5.0	1.9063	0.00024740	2.375E-04	2.732E-04
3750	36775.16	10	5.0	2.0425	0.00024740	2.570E-04	2.927E-04
4000	39226.84	11	5.5	2.1786	0.00027214	2.765E-04	3.122E-04
4250	41678.52	12	6.0	2.3148	0.00029688	2.960E-04	3.317E-04
4500	44130.20	13	6.5	2.4509	0.00032162	3.155E-04	3.512E-04
4750	46581.87	14	7.0	2.5871	0.00034636	3.351E-04	3.707E-04



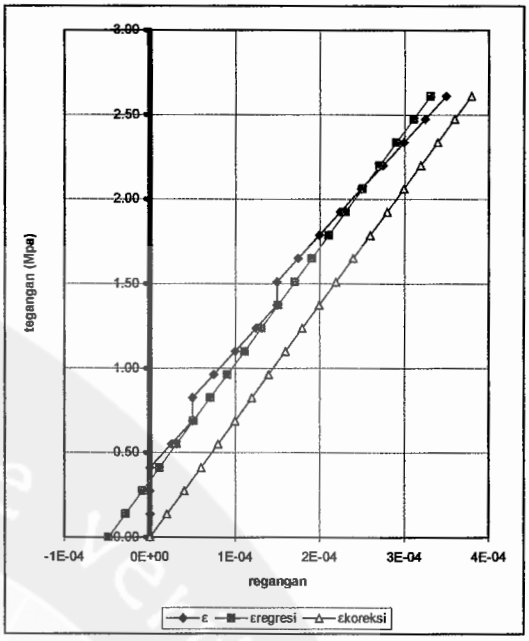
kode sampel:		56G4
d (mm)	P_O (mm)	A_O (mm^2)
150.26	201.28	17739.91

Beban (kgf)	Beban (N)	Δp (mm) 10^{-2}	0.5Δp (mm) 10^{-2}	f (MPa)	ε	$\varepsilon_{regresi}$	$\varepsilon_{koreksi}$
0	0.00	0	0.0	0.0000	0.00000000	-4.889E-05	0.000E+00
250	2451.68	0	0.0	0.1382	0.00000000	-3.368E-05	1.521E-05
500	4903.36	0	0.0	0.2764	0.00000000	-1.847E-05	3.043E-05
750	7355.03	0	0.0	0.4146	0.00000000	-3.253E-06	4.564E-05
1000	9806.71	0	0.0	0.5528	0.00000000	1.196E-05	6.086E-05
1250	12258.39	0	0.0	0.6910	0.00000000	2.718E-05	7.607E-05
1500	14710.07	1	0.5	0.8292	0.00002484	4.239E-05	9.128E-05
1750	17161.74	2	1.0	0.9674	0.00004968	5.760E-05	1.065E-04
2000	19613.42	2	1.0	1.1056	0.00004968	7.282E-05	1.217E-04
2250	22065.10	3	1.5	1.2438	0.00007452	8.803E-05	1.369E-04
2500	24516.78	4	2.0	1.3820	0.00009936	1.032E-04	1.521E-04
2750	26968.45	4	2.0	1.5202	0.00009936	1.185E-04	1.674E-04
3000	29420.13	5	2.5	1.6584	0.00012421	1.337E-04	1.826E-04
3250	31871.81	6	3.0	1.7966	0.00014905	1.489E-04	1.978E-04
3500	34323.49	7	3.5	1.9348	0.00017389	1.641E-04	2.130E-04
3750	36775.16	7	3.5	2.0730	0.00017389	1.793E-04	2.282E-04
4000	39226.84	8	4.0	2.2112	0.00019873	1.945E-04	2.434E-04
4250	41678.52	9	4.5	2.3494	0.00022357	2.097E-04	2.586E-04
4500	44130.20	9	4.5	2.4876	0.00022357	2.250E-04	2.739E-04
4750	46581.87	10	5.0	2.6258	0.00024841	2.402E-04	2.891E-04



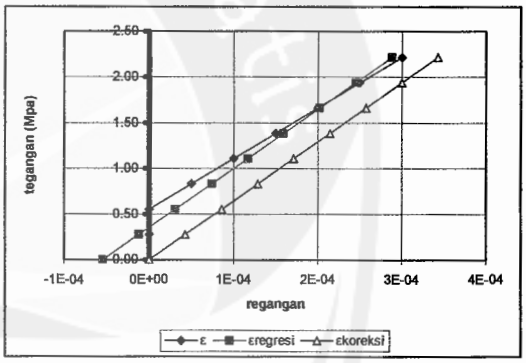
kode sampel:		56G5
d (mm)	P_O (mm)	A_O (mm^2)
150.65	200.9	17832.12

Beban (kgf)	Beban (N)	Δp (mm) 10^{-2}	0.5Δp (mm) 10^{-2}	f (MPa)	ε	$\varepsilon_{regresi}$	$\varepsilon_{koreksi}$
0	0.00	0	0.0	0.0000	0.00000000	-4.860E-05	0.000E+00
250	2451.68	0	0.0	0.1375	0.00000000	-2.868E-05	1.992E-05
500	4903.36	0	0.0	0.2750	0.00000000	-8.765E-06	3.984E-05
750	7355.03	0	0.0	0.4125	0.00000000	1.115E-05	5.975E-05
1000	9806.71	1	0.5	0.5499	0.00002489	3.107E-05	7.967E-05
1250	12258.39	2	1.0	0.6874	0.00004978	5.099E-05	9.959E-05
1500	14710.07	2	1.0	0.8249	0.00004978	7.091E-05	1.195E-04
1750	17161.74	3	1.5	0.9624	0.00007466	9.082E-05	1.394E-04
2000	19613.42	4	2.0	1.0999	0.00009955	1.107E-04	1.593E-04
2250	22065.10	5	2.5	1.2374	0.00012444	1.307E-04	1.793E-04
2500	24516.78	6	3.0	1.3749	0.00014933	1.506E-04	1.992E-04
2750	26968.45	6	3.0	1.5124	0.00014933	1.705E-04	2.191E-04
3000	29420.13	7	3.5	1.6498	0.00017422	1.904E-04	2.390E-04
3250	31871.81	8	4.0	1.7873	0.00019910	2.103E-04	2.589E-04
3500	34323.49	9	4.5	1.9248	0.00022399	2.302E-04	2.788E-04
3750	36775.16	10	5.0	2.0623	0.00024888	2.502E-04	2.988E-04
4000	39226.84	11	5.5	2.1998	0.00027377	2.701E-04	3.187E-04
4250	41678.52	12	6.0	2.3373	0.00029866	2.900E-04	3.386E-04
4500	44130.20	13	6.5	2.4748	0.00032354	3.099E-04	3.585E-04
4750	46581.87	14	7.0	2.6122	0.00034843	3.298E-04	3.784E-04



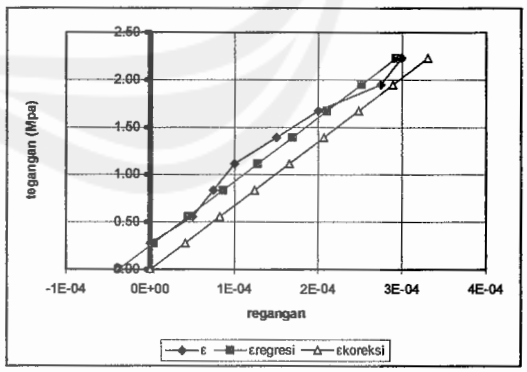
kode sampel:		7H1
d (mm)	P_O (mm)	A_O (mm^2)
150	200.2	17678.57

Beban (kgf)	Beban (N)	Δp (mm) 10^{-2}	0.5Δp (mm) 10^{-2}	f (MPa)	ε	$\varepsilon_{regresi}$	$\varepsilon_{koreksi}$
0	0.00	0	0.0	0.0000	0.00000000	-5.471E-05	0.000E+00
500	4903.36	0	0.0	0.2774	0.00000000	-1.189E-05	4.281E-05
1000	9806.71	0	0.0	0.5547	0.00000000	3.092E-05	8.563E-05
1500	14710.07	2	1.0	0.8321	0.00004995	7.374E-05	1.284E-04
2000	19613.42	4	2.0	1.1094	0.00009990	1.166E-04	1.713E-04
2500	24516.78	6	3.0	1.3868	0.00014985	1.594E-04	2.141E-04
3000	29420.13	8	4.0	1.6642	0.00019980	2.022E-04	2.569E-04
3500	34323.49	10	5.0	1.9415	0.00024975	2.450E-04	2.997E-04
4000	39226.84	12	6.0	2.2189	0.00029970	2.878E-04	3.425E-04



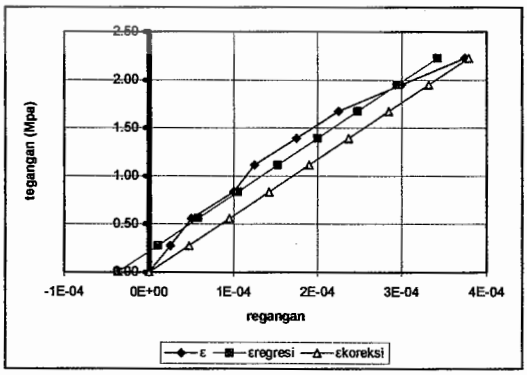
kode sampel:		7H2
d (mm)	P_O (mm)	A_O (mm^2)
149.6	200.55	17584.41

Beban (kgf)	Beban (N)	Δp (mm) 10^{-2}	0.5Δp (mm) 10^{-2}	f (MPa)	ε	$\varepsilon_{regresi}$	$\varepsilon_{koreksi}$
0	0.00	0	0.0	0.0000	0.00000000	-3.763E-05	0.000E+00
500	4903.36	0	0.0	0.2788	0.00000000	3.636E-06	4.126E-05
1000	9806.71	2	1.0	0.5577	0.00004986	4.490E-05	8.253E-05
1500	14710.07	3	1.5	0.8365	0.00007479	8.616E-05	1.238E-04
2000	19613.42	4	2.0	1.1154	0.00009973	1.274E-04	1.651E-04
2500	24516.78	6	3.0	1.3942	0.00014959	1.687E-04	2.063E-04
3000	29420.13	8	4.0	1.6731	0.00019945	2.100E-04	2.476E-04
3500	34323.49	11	5.5	1.9519	0.00027425	2.512E-04	2.888E-04
4000	39226.84	12	6.0	2.2308	0.00029918	2.925E-04	3.301E-04



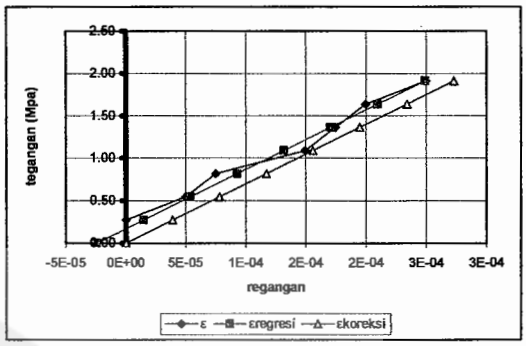
kode sampel:		7H3
d (mm)	P_O (mm)	A_O (mm^2)
149.67	200.7	17600.87

Beban (kgf)	Beban (N)	Δp (mm) 10^{-2}	0.5Δp (mm) 10^{-2}	f (MPa)	ε	$\varepsilon_{regresi}$	$\varepsilon_{koreksi}$
0	0.00	0	0.0	0.0000	0.00000000	-3.699E-05	0.000E+00
500	4903.36	1	0.5	0.2786	0.00002491	1.032E-05	4.731E-05
1000	9806.71	2	1.0	0.5572	0.00004983	5.763E-05	9.462E-05
1500	14710.07	4	2.0	0.8358	0.00009965	1.049E-04	1.419E-04
2000	19613.42	5	2.5	1.1143	0.00012456	1.522E-04	1.892E-04
2500	24516.78	7	3.5	1.3929	0.00017439	1.996E-04	2.365E-04
3000	29420.13	9	4.5	1.6715	0.00022422	2.469E-04	2.839E-04
3500	34323.49	12	6.0	1.9501	0.00029895	2.942E-04	3.312E-04
4000	39226.84	15	7.5	2.2287	0.00037369	3.415E-04	3.785E-04



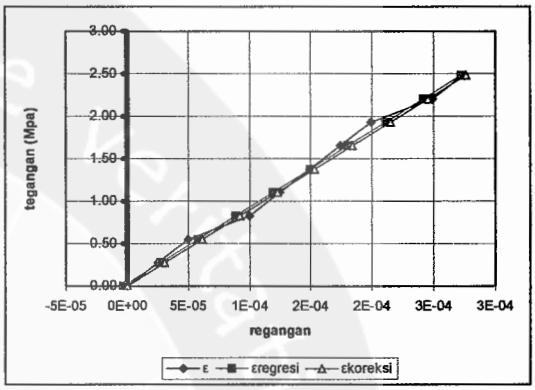
kode sampel:		14H1
d (mm)	P_O (mm)	A_O (mm^2)
151.22	200.6	17967.31

Beban (kgf)	Beban (N)	Δp (mm) 10^{-2}	0.5Δp (mm) 10^{-2}	f (MPa)	ε	$\varepsilon_{regresi}$	$\varepsilon_{koreksi}$
0	0.00	0	0.0	0.0000	0.00000000	-2.415E-05	0.000E+00
500	4903.36	0	0.0	0.2729	0.00000000	1.480E-05	3.895E-05
1000	9806.71	2	1.0	0.5458	0.00004985	5.375E-05	7.789E-05
1500	14710.07	3	1.5	0.8187	0.00007478	9.269E-05	1.168E-04
2000	19613.42	6	3.0	1.0916	0.00014955	1.316E-04	1.558E-04
2500	24516.78	7	3.5	1.3645	0.00017448	1.706E-04	1.947E-04
3000	29420.13	8	4.0	1.6374	0.00019940	2.095E-04	2.337E-04
3500	34323.49	10	5.0	1.9103	0.00024925	2.485E-04	2.726E-04



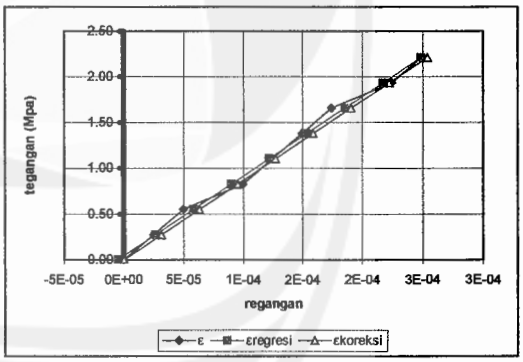
kode sampel:		14H2
d (mm)	P_O (mm)	A_O (mm^2)
150.45	200.9	17784.80

Beban (kgf)	Beban (N)	Δp (mm) 10^{-2}	0.5Δp (mm) 10^{-2}	f (MPa)	ε	$\varepsilon_{regresi}$	$\varepsilon_{koreksi}$
0	0.00	0	0.0	0.0000	0.00000000	-3.548E-06	0.000E+00
500	4903.36	1	0.5	0.2757	0.00002489	2.711E-05	3.065E-05
1000	9806.71	2	1.0	0.5514	0.00004978	5.776E-05	6.131E-05
1500	14710.07	4	2.0	0.8271	0.00009955	8.841E-05	9.196E-05
2000	19613.42	5	2.5	1.1028	0.00012444	1.191E-04	1.226E-04
2500	24516.78	6	3.0	1.3785	0.00014933	1.497E-04	1.533E-04
3000	29420.13	7	3.5	1.6542	0.00017422	1.804E-04	1.839E-04
3500	34323.49	8	4.0	1.9299	0.00019910	2.110E-04	2.146E-04
4000	39226.84	10	5.0	2.2056	0.00024888	2.417E-04	2.452E-04
4500	44130.20	11	5.5	2.4813	0.00027377	2.723E-04	2.759E-04



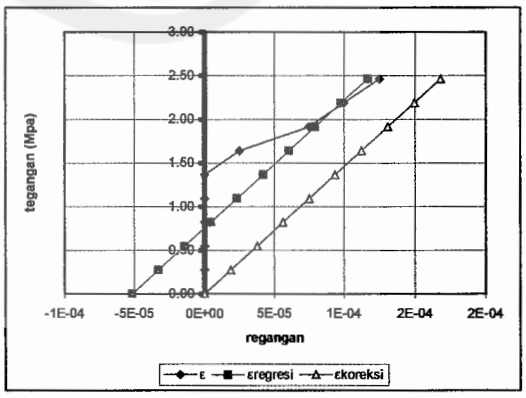
kode sampel:		14H3
d (mm)	P_O (mm)	A_O (mm^2)
150.27	201.05	17742.27

Beban (kgf)	Beban (N)	Δp (mm) 10^{-2}	0.5Δp (mm) 10^{-2}	f (MPa)	ε	$\varepsilon_{regresi}$	$\varepsilon_{koreksi}$
0	0.00	0	0.0	0.0000	0.00000000	-5.236E-06	0.000E+00
500	4903.36	1	0.5	0.2764	0.00002487	2.647E-05	3.170E-05
1000	9806.71	2	1.0	0.5527	0.00004974	5.817E-05	6.341E-05
1500	14710.07	4	2.0	0.8291	0.00009948	8.988E-05	9.511E-05
2000	19613.42	5	2.5	1.1055	0.00012435	1.216E-04	1.268E-04
2500	24516.78	6	3.0	1.3818	0.00014922	1.533E-04	1.585E-04
3000	29420.13	7	3.5	1.6582	0.00017409	1.850E-04	1.902E-04
3500	34323.49	9	4.5	1.9346	0.00022382	2.167E-04	2.219E-04
4000	39226.84	10	5.0	2.2109	0.00024869	2.484E-04	2.536E-04



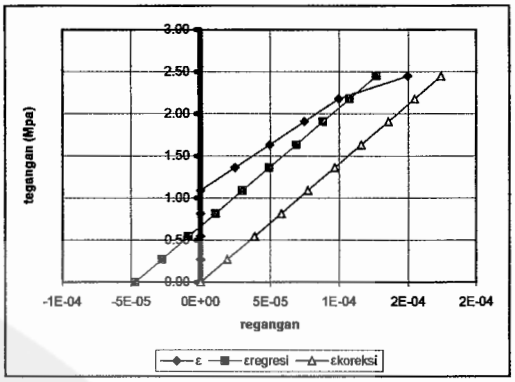
kode sampel:		28H1
d (mm)	P_O (mm)	A_O (mm^2)
151	200.5	17915.07

Beban (kgf)	Beban (N)	Δp (mm) 10^{-2}	0.5Δp (mm) 10^{-2}	f (MPa)	ε	$\varepsilon_{regresi}$	$\varepsilon_{koreksi}$
0	0.00	0	0.0	0.0000	0.00000000	-5.168E-05	0.000E+00
500	4903.36	0	0.0	0.2737	0.00000000	-3.299E-05	1.869E-05
1000	9806.71	0	0.0	0.5474	0.00000000	-1.430E-05	3.738E-05
1500	14710.07	0	0.0	0.8211	0.00000000	4.385E-06	5.607E-05
2000	19613.42	0	0.0	1.0948	0.00000000	2.307E-05	7.476E-05
2500	24516.78	0	0.0	1.3685	0.00000000	4.176E-05	9.345E-05
3000	29420.13	1	0.5	1.6422	0.00002494	6.045E-05	1.121E-04
3500	34323.49	3	1.5	1.9159	0.00007481	7.914E-05	1.308E-04
4000	39226.84	4	2.0	2.1896	0.00009975	9.783E-05	1.495E-04
4500	44130.20	5	2.5	2.4633	0.00012469	1.165E-04	1.682E-04



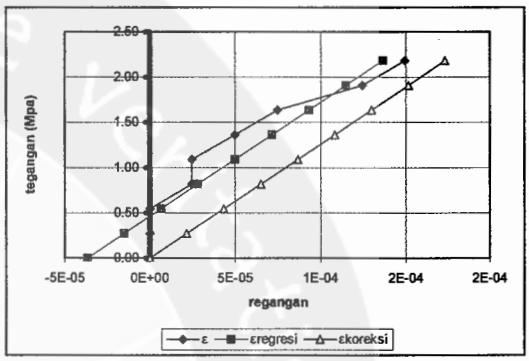
kode sampel:		28H2
d (mm)	P_O (mm)	A_O (mm^2)
151.37	201.2	18002.97

Beban (kgf)	Beban (N)	Δp (mm) 10^{-2}	0.5Δp (mm) 10^{-2}	f (MPa)	ε	$\varepsilon_{regresi}$	$\varepsilon_{koreksi}$
0	0.00	0	0.0	0.0000	0.00000000	-4.712E-05	0.000E+00
500	4903.36	0	0.0	0.2724	0.00000000	-2.781E-05	1.931E-05
1000	9806.71	0	0.0	0.5447	0.00000000	-8.507E-06	3.861E-05
1500	14710.07	0	0.0	0.8171	0.00000000	1.080E-05	5.792E-05
2000	19613.42	0	0.0	1.0895	0.00000000	3.011E-05	7.723E-05
2500	24516.78	1	0.5	1.3618	0.00002485	4.942E-05	9.654E-05
3000	29420.13	2	1.0	1.6342	0.00004970	6.872E-05	1.158E-04
3500	34323.49	3	1.5	1.9065	0.00007455	8.803E-05	1.352E-04
4000	39226.84	4	2.0	2.1789	0.00009940	1.073E-04	1.545E-04
4500	44130.20	6	3.0	2.4513	0.00014911	1.266E-04	1.738E-04



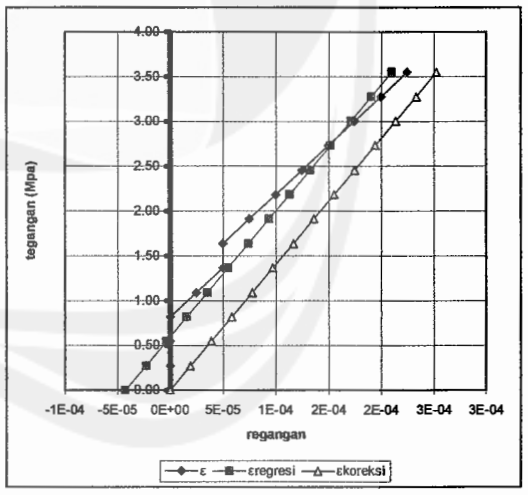
kode sampel:		28H3
d (mm)	P_O (mm)	A_O (mm^2)
151.13	201.1	17945.93

Beban (kgf)	Beban (N)	Δp (mm) 10^{-2}	0.5Δp (mm) 10^{-2}	f (MPa)	ε	$\varepsilon_{regresi}$	$\varepsilon_{koreksi}$
0	0.00	0	0.0	0.0000	0.00000000	-3.675E-05	0.000E+00
500	4903.36	0	0.0	0.2732	0.00000000	-1.513E-05	2.162E-05
1000	9806.71	0	0.0	0.5465	0.00000000	6.486E-06	4.324E-05
1500	14710.07	1	0.5	0.8197	0.00002486	2.811E-05	6.486E-05
2000	19613.42	1	0.5	1.0929	0.00002486	4.973E-05	8.648E-05
2500	24516.78	2	1.0	1.3661	0.00004973	7.135E-05	1.081E-04
3000	29420.13	3	1.5	1.6394	0.00007459	9.297E-05	1.297E-04
3500	34323.49	5	2.5	1.9126	0.00012432	1.146E-04	1.513E-04
4000	39226.84	6	3.0	2.1858	0.00014918	1.362E-04	1.730E-04



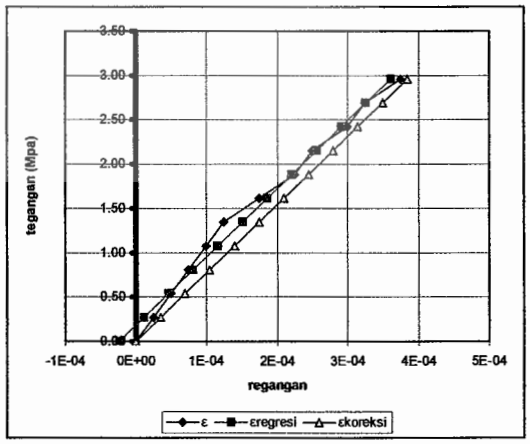
kode sampel:		56H3
d (mm)	P_O (mm)	A_O (mm^2)
151.16	200.9	17953.06

Beban (kgf)	Beban (N)	Δp (mm) 10^{-2}	0.5Δp (mm) 10^{-2}	f (MPa)	ε	$\varepsilon_{regresi}$	$\varepsilon_{koreksi}$
0	0.00	0	0.0	0.0000	0.00000000	-4.242E-05	0.000E+00
500	4903.36	0	0.0	0.2731	0.00000000	-2.304E-05	1.938E-05
1000	9806.71	0	0.0	0.5462	0.00000000	-3.661E-06	3.876E-05
1500	14710.07	0	0.0	0.8194	0.00000000	1.572E-05	5.814E-05
2000	19613.42	1	0.5	1.0925	0.00002489	3.510E-05	7.752E-05
2500	24516.78	2	1.0	1.3656	0.00004978	5.448E-05	9.690E-05
3000	29420.13	2	1.0	1.6387	0.00004978	7.386E-05	1.163E-04
3500	34323.49	3	1.5	1.9118	0.00007466	9.324E-05	1.357E-04
4000	39226.84	4	2.0	2.1850	0.00009955	1.126E-04	1.550E-04
4500	44130.20	5	2.5	2.4581	0.00012444	1.320E-04	1.744E-04
5000	49033.55	6	3.0	2.7312	0.00014933	1.514E-04	1.938E-04
5500	53936.91	7	3.5	3.0043	0.00017422	1.708E-04	2.132E-04
6000	58840.26	8	4.0	3.2775	0.00019910	1.901E-04	2.326E-04
6500	63743.62	9	4.5	3.5506	0.00022399	2.095E-04	2.520E-04



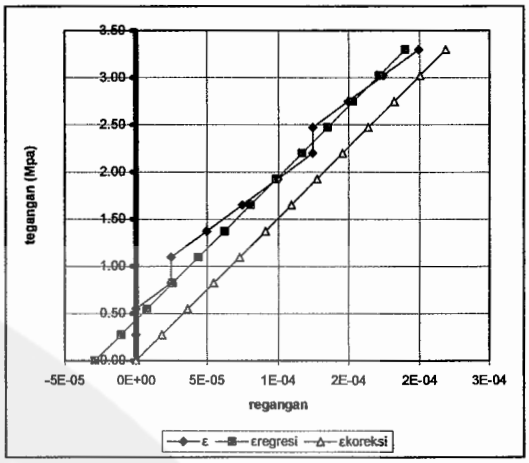
kode sampel:		56H4
d (mm)	P_O (mm)	A_O (mm^2)
152.27	200.6	18217.69

Beban (kgf)	Beban (N)	Δp (mm) 10^{-2}	0.5Δp (mm) 10^{-2}	f (MPa)	ε	$\varepsilon_{regresi}$	$\varepsilon_{koreksi}$
0	0.00	0	0.0	0.0000	0.00000000	-2.351E-05	0.000E+00
500	4903.36	1	0.5	0.2692	0.00002493	1.136E-05	3.486E-05
1000	9806.71	2	1.0	0.5383	0.00004985	4.622E-05	6.973E-05
1500	14710.07	3	1.5	0.8075	0.00007478	8.109E-05	1.046E-04
2000	19613.42	4	2.0	1.0766	0.00009970	1.159E-04	1.395E-04
2500	24516.78	5	2.5	1.3458	0.00012463	1.508E-04	1.743E-04
3000	29420.13	7	3.5	1.6149	0.00017448	1.857E-04	2.092E-04
3500	34323.49	9	4.5	1.8841	0.00022433	2.205E-04	2.440E-04
4000	39226.84	10	5.0	2.1532	0.00024925	2.554E-04	2.789E-04
4500	44130.20	12	6.0	2.4224	0.00029910	2.903E-04	3.138E-04
5000	49033.55	13	6.5	2.6915	0.00032403	3.251E-04	3.486E-04
5500	53936.91	15	7.5	2.9607	0.00037388	3.600E-04	3.835E-04



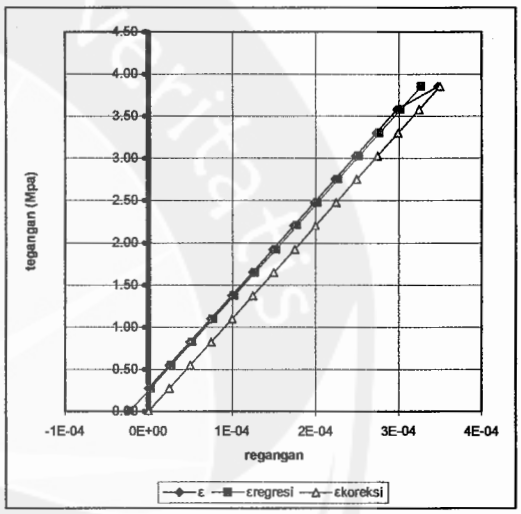
kode sampel:		56H5
d (mm)	P_O (mm)	A_O (mm^2)
150.66	201	17834.49

Beban (kgf)	Beban (N)	Δp (mm) 10^{-2}	0.5Δp (mm) 10^{-2}	f (MPa)	ε	$\varepsilon_{regresi}$	$\varepsilon_{koreksi}$
0	0.00	0	0.0	0.0000	0.00000000	-2.875E-05	0.000E+00
500	4903.36	0	0.0	0.2749	0.00000000	-1.056E-05	1.819E-05
1000	9806.71	0	0.0	0.5499	0.00000000	7.624E-06	3.637E-05
1500	14710.07	1	0.5	0.8248	0.00002488	2.581E-05	5.456E-05
2000	19613.42	1	0.5	1.0997	0.00002488	4.400E-05	7.274E-05
2500	24516.78	2	1.0	1.3747	0.00004975	6.218E-05	9.093E-05
3000	29420.13	3	1.5	1.6496	0.00007463	8.037E-05	1.091E-04
3500	34323.49	4	2.0	1.9246	0.00009950	9.855E-05	1.273E-04
4000	39226.84	5	2.5	2.1995	0.00012438	1.167E-04	1.455E-04
4500	44130.20	5	2.5	2.4744	0.00012438	1.349E-04	1.637E-04
5000	49033.55	6	3.0	2.7494	0.00014925	1.531E-04	1.819E-04
5500	53936.91	7	3.5	3.0243	0.00017413	1.713E-04	2.000E-04
6000	58840.26	8	4.0	3.2992	0.00019900	1.895E-04	2.182E-04



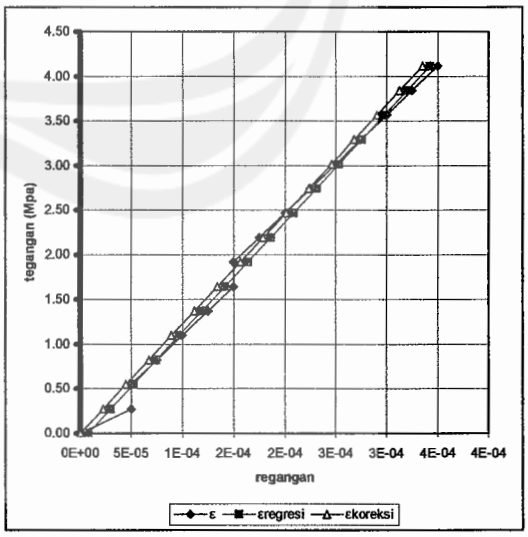
kode sampel:		7I1
d (mm)	P_O (mm)	A_O (mm^2)
150.57	201.9	17813.18

Beban (kgf)	Beban (N)	Δp (mm) 10^{-2}	0.5Δp (mm) 10^{-2}	f (MPa)	ε	$\varepsilon_{regresi}$	$\varepsilon_{koreksi}$
0	0.00	0	0.0	0.0000	0.00000000	-2.254E-05	0.000E+00
500	4903.36	0	0.0	0.2753	0.00000000	2.382E-06	2.492E-05
1000	9806.71	1	0.5	0.5505	0.00002476	2.730E-05	4.984E-05
1500	14710.07	2	1.0	0.8258	0.00004953	5.222E-05	7.475E-05
2000	19613.42	3	1.5	1.1011	0.00007429	7.714E-05	9.967E-05
2500	24516.78	4	2.0	1.3763	0.00009906	1.021E-04	1.246E-04
3000	29420.13	5	2.5	1.6516	0.00012382	1.270E-04	1.495E-04
3500	34323.49	6	3.0	1.9269	0.00014859	1.519E-04	1.744E-04
4000	39226.84	7	3.5	2.2021	0.00017335	1.768E-04	1.993E-04
4500	44130.20	8	4.0	2.4774	0.00019812	2.017E-04	2.243E-04
5000	49033.55	9	4.5	2.7527	0.00022288	2.266E-04	2.492E-04
5500	53936.91	10	5.0	3.0279	0.00024765	2.516E-04	2.741E-04
6000	58840.26	11	5.5	3.3032	0.00027241	2.765E-04	2.990E-04
6500	63743.62	12	6.0	3.5785	0.00029718	3.014E-04	3.239E-04
7000	68646.97	14	7.0	3.8537	0.00034671	3.263E-04	3.489E-04



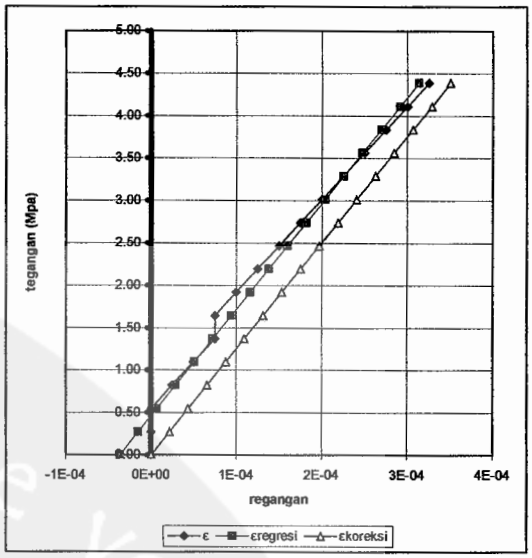
kode sampel:		7I2
d (mm)	P_O (mm)	A_O (mm^2)
150.83	200.35	17874.76

Beban (kgf)	Beban (N)	Δp (mm) 10^{-2}	0.5Δp (mm) 10^{-2}	f (MPa)	ε	$\varepsilon_{regresi}$	$\varepsilon_{koreksi}$
0	0.00	0	0.0	0.0000	0.00000000	7.355E-06	0.000E+00
500	4903.36	2	1.0	0.2743	0.00004991	2.967E-05	2.231E-05
1000	9806.71	2	1.0	0.5486	0.00004991	5.198E-05	4.462E-05
1500	14710.07	3	1.5	0.8230	0.00007487	7.429E-05	6.694E-05
2000	19613.42	4	2.0	1.0973	0.00009983	9.660E-05	8.925E-05
2500	24516.78	5	2.5	1.3716	0.00012478	1.189E-04	1.116E-04
3000	29420.13	6	3.0	1.6459	0.00014974	1.412E-04	1.339E-04
3500	34323.49	6	3.0	1.9202	0.00014974	1.635E-04	1.562E-04
4000	39226.84	7	3.5	2.1945	0.00017469	1.859E-04	1.785E-04
4500	44130.20	8	4.0	2.4689	0.00019965	2.082E-04	2.008E-04
5000	49033.55	9	4.5	2.7432	0.00022461	2.305E-04	2.231E-04
5500	53936.91	10	5.0	3.0175	0.00024956	2.528E-04	2.454E-04
6000	58840.26	11	5.5	3.2918	0.00027452	2.751E-04	2.677E-04
6500	63743.62	12	6.0	3.5661	0.00029948	2.974E-04	2.901E-04
7000	68646.97	13	6.5	3.8404	0.00032443	3.197E-04	3.124E-04
7500	73550.33	14	7.0	4.1148	0.00034939	3.420E-04	3.347E-04



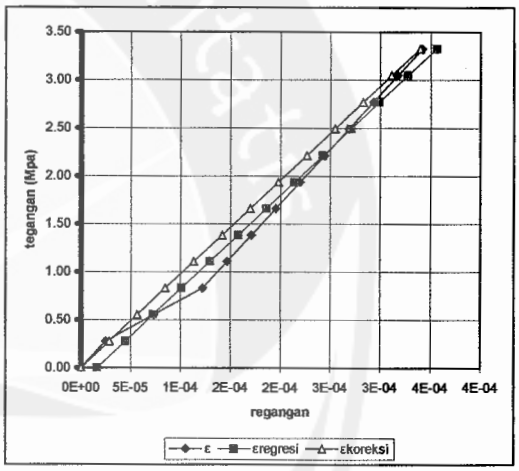
kode sampel:		7I3
d (mm)	P_O (mm)	A_O (mm^2)
150.85	200.2	17879.50

Beban (kgf)	Beban (N)	Δp (mm) 10^{-2}	0.5Δp (mm) 10^{-2}	f (MPa)	ε	$\varepsilon_{regresi}$	$\varepsilon_{koreksi}$
0	0.00	0	0.0	0.0000	0.00000000	-3.686E-05	0.000E+00
500	4903.36	0	0.0	0.2742	0.00000000	-1.499E-05	2.187E-05
1000	9806.71	0	0.0	0.5485	0.00000000	6.878E-06	4.374E-05
1500	14710.07	1	0.5	0.8227	0.00002498	2.875E-05	6.561E-05
2000	19613.42	2	1.0	1.0970	0.00004995	5.062E-05	8.748E-05
2500	24516.78	3	1.5	1.3712	0.00007493	7.249E-05	1.093E-04
3000	29420.13	3	1.5	1.6455	0.00007493	9.436E-05	1.312E-04
3500	34323.49	4	2.0	1.9197	0.00009990	1.162E-04	1.531E-04
4000	39226.84	5	2.5	2.1940	0.00012488	1.381E-04	1.750E-04
4500	44130.20	6	3.0	2.4682	0.00014985	1.600E-04	1.968E-04
5000	49033.55	7	3.5	2.7424	0.00017483	1.818E-04	2.187E-04
5500	53936.91	8	4.0	3.0167	0.00019980	2.037E-04	2.406E-04
6000	58840.26	9	4.5	3.2909	0.00022478	2.256E-04	2.624E-04
6500	63743.62	10	5.0	3.5652	0.00024975	2.474E-04	2.843E-04
7000	68646.97	11	5.5	3.8394	0.00027473	2.693E-04	3.062E-04
7500	73550.33	12	6.0	4.1137	0.00029970	2.912E-04	3.280E-04
8000	78453.68	13	6.5	4.3879	0.00032468	3.131E-04	3.499E-04



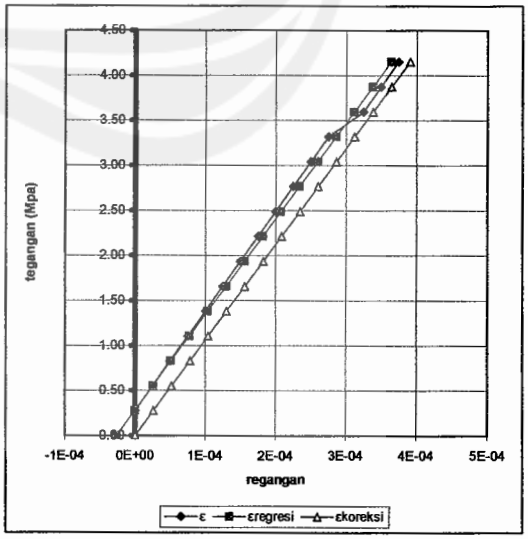
kode sampel:		14I1
d (mm)	P_O (mm)	A_O (mm^2)
150.07	205	17695.08

Beban (kgf)	Beban (N)	Δp (mm) 10^{-2}	0.5Δp (mm) 10^{-2}	f (MPa)	ε	$\varepsilon_{regresi}$	$\varepsilon_{koreksi}$
0	0.00	0	0.0	0.0000	0.00000000	1.613E-05	0.000E+00
500	4903.36	1	0.5	0.2771	0.00002439	4.440E-05	2.827E-05
1000	9806.71	3	1.5	0.5542	0.00007317	7.267E-05	5.654E-05
1500	14710.07	5	2.5	0.8313	0.00012195	1.009E-04	8.481E-05
2000	19613.42	6	3.0	1.1084	0.00014634	1.292E-04	1.131E-04
2500	24516.78	7	3.5	1.3855	0.00017073	1.575E-04	1.413E-04
3000	29420.13	8	4.0	1.6626	0.00019512	1.857E-04	1.696E-04
3500	34323.49	9	4.5	1.9397	0.00021951	2.140E-04	1.979E-04
4000	39226.84	10	5.0	2.2168	0.00024390	2.423E-04	2.262E-04
4500	44130.20	11	5.5	2.4939	0.00026829	2.705E-04	2.544E-04
5000	49033.55	12	6.0	2.7710	0.00029268	2.988E-04	2.827E-04
5500	53936.91	13	6.5	3.0481	0.00031707	3.271E-04	3.110E-04
6000	58840.26	14	7.0	3.3252	0.00034146	3.554E-04	3.392E-04



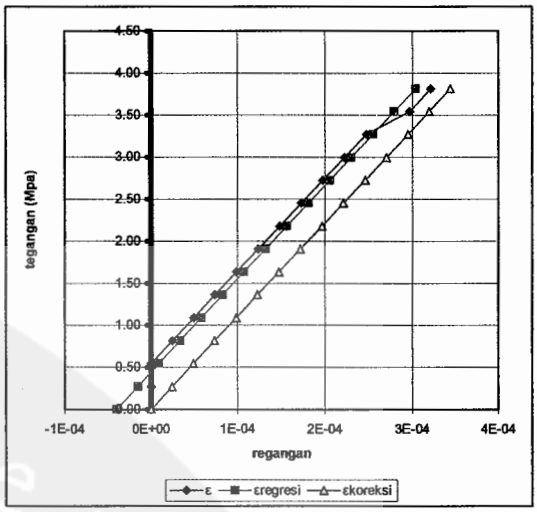
kode sampel:		14I2
d (mm)	P_O (mm)	A_O (mm^2)
150.17	200.5	17718.67

Beban (kgf)	Beban (N)	Δp (mm) 10^{-2}	0.5Δp (mm) 10^{-2}	f (MPa)	ε	$\varepsilon_{regresi}$	$\varepsilon_{koreksi}$
0	0.00	0	0.0	0.0000	0.00000000	-2.667E-05	0.000E+00
500	4903.36	0	0.0	0.2767	0.00000000	-6.730E-07	2.600E-05
1000	9806.71	1	0.5	0.5535	0.00002494	2.533E-05	5.200E-05
1500	14710.07	2	1.0	0.8302	0.00004988	5.133E-05	7.800E-05
2000	19613.42	3	1.5	1.1069	0.00007481	7.733E-05	1.040E-04
2500	24516.78	4	2.0	1.3837	0.00009975	1.033E-04	1.300E-04
3000	29420.13	5	2.5	1.6604	0.00012469	1.293E-04	1.560E-04
3500	34323.49	6	3.0	1.9371	0.00014963	1.553E-04	1.820E-04
4000	39226.84	7	3.5	2.2139	0.00017456	1.813E-04	2.080E-04
4500	44130.20	8	4.0	2.4906	0.00019950	2.073E-04	2.340E-04
5000	49033.55	9	4.5	2.7673	0.00022444	2.333E-04	2.600E-04
5500	53936.91	10	5.0	3.0441	0.00024938	2.593E-04	2.860E-04
6000	58840.26	11	5.5	3.3208	0.00027431	2.853E-04	3.120E-04
6500	63743.62	13	6.5	3.5975	0.00032419	3.113E-04	3.380E-04
7000	68646.97	14	7.0	3.8743	0.00034913	3.373E-04	3.640E-04
7500	73550.33	15	7.5	4.1510	0.00037406	3.633E-04	3.900E-04



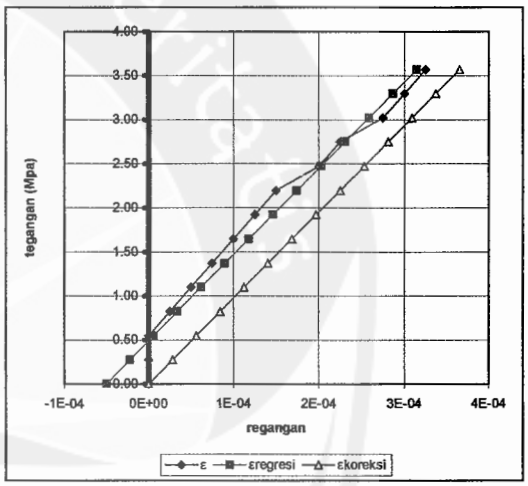
kode sampel:		14I3
d (mm)	P_O (mm)	A_O (mm^2)
151.3	202.5	17986.33

Beban (kgf)	Beban (N)	Δp (mm) 10^{-2}	0.5Δp (mm) 10^{-2}	f (MPa)	ε	$\varepsilon_{regresi}$	$\varepsilon_{koreksi}$
0	0.00	0	0.0	0.0000	0.00000000	-4.010E-05	0.000E+00
500	4903.36	0	0.0	0.2726	0.00000000	-1.556E-05	2.454E-05
1000	9806.71	0	0.0	0.5452	0.00000000	8.984E-06	4.908E-05
1500	14710.07	1	0.5	0.8178	0.00002469	3.352E-05	7.362E-05
2000	19613.42	2	1.0	1.0905	0.00004938	5.807E-05	9.816E-05
2500	24516.78	3	1.5	1.3631	0.00007407	8.261E-05	1.227E-04
3000	29420.13	4	2.0	1.6357	0.00009877	1.071E-04	1.472E-04
3500	34323.49	5	2.5	1.9083	0.00012346	1.317E-04	1.718E-04
4000	39226.84	6	3.0	2.1809	0.00014815	1.562E-04	1.963E-04
4500	44130.20	7	3.5	2.4535	0.00017284	1.808E-04	2.209E-04
5000	49033.55	8	4.0	2.7262	0.00019753	2.053E-04	2.454E-04
5500	53936.91	9	4.5	2.9988	0.00022222	2.298E-04	2.699E-04
6000	58840.26	10	5.0	3.2714	0.00024691	2.544E-04	2.945E-04
6500	63743.62	12	6.0	3.5440	0.00029630	2.789E-04	3.190E-04
7000	68646.97	13	6.5	3.8166	0.00032099	3.035E-04	3.436E-04



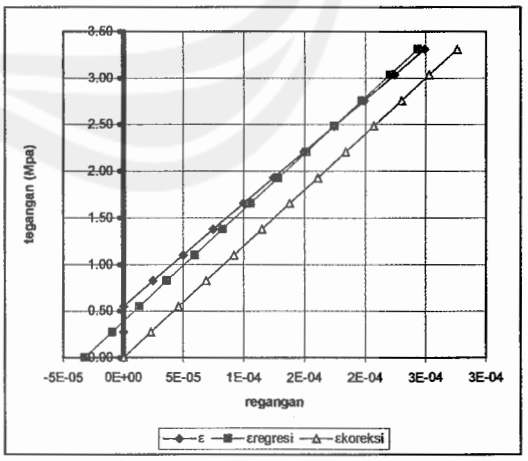
kode sampel:		28I1
d (mm)	P_O (mm)	A_O (mm^2)
150.7	200.3	17843.96

Beban (kgf)	Beban (N)	Δp (mm) 10^{-2}	0.5Δp (mm) 10^{-2}	f (MPa)	ε	$\varepsilon_{regresi}$	$\varepsilon_{koreksi}$
0	0.00	0	0.0	0.0000	0.00000000	-5.050E-05	0.000E+00
500	4903.36	0	0.0	0.2748	0.00000000	-2.243E-05	2.807E-05
1000	9806.71	0	0.0	0.5496	0.00000000	5.637E-06	5.614E-05
1500	14710.07	1	0.5	0.8244	0.00002496	3.371E-05	8.421E-05
2000	19613.42	2	1.0	1.0992	0.00004993	6.177E-05	1.123E-04
2500	24516.78	3	1.5	1.3740	0.00007489	8.984E-05	1.403E-04
3000	29420.13	4	2.0	1.6487	0.00009985	1.179E-04	1.684E-04
3500	34323.49	5	2.5	1.9235	0.00012481	1.460E-04	1.965E-04
4000	39226.84	6	3.0	2.1983	0.00014978	1.740E-04	2.245E-04
4500	44130.20	8	4.0	2.4731	0.00019970	2.021E-04	2.526E-04
5000	49033.55	9	4.5	2.7479	0.00022466	2.302E-04	2.807E-04
5500	53936.91	11	5.5	3.0227	0.00027459	2.583E-04	3.088E-04
6000	58840.26	12	6.0	3.2975	0.00029955	2.863E-04	3.368E-04
6500	63743.62	13	6.5	3.5723	0.00032451	3.144E-04	3.649E-04



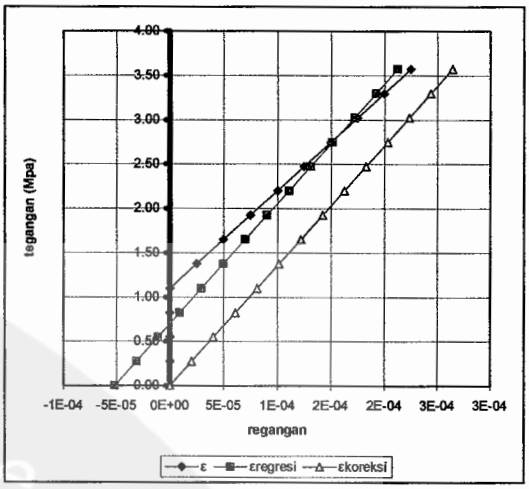
kode sampel:		28I4
d (mm)	P_O (mm)	A_O (mm^2)
150.38	201	17768.26

Beban (kgf)	Beban (N)	Δp (mm) 10^{-2}	0.5Δp (mm) 10^{-2}	f (MPa)	ε	$\varepsilon_{regresi}$	$\varepsilon_{koreksi}$
0	0.00	0	0.0	0.0000	0.00000000	-3.253E-05	0.000E+00
500	4903.36	0	0.0	0.2760	0.00000000	-9.568E-06	2.296E-05
1000	9806.71	0	0.0	0.5519	0.00000000	1.339E-05	4.592E-05
1500	14710.07	1	0.5	0.8279	0.00002488	3.636E-05	6.889E-05
2000	19613.42	2	1.0	1.1038	0.00004975	5.932E-05	9.185E-05
2500	24516.78	3	1.5	1.3798	0.00007463	8.228E-05	1.148E-04
3000	29420.13	4	2.0	1.6558	0.00009950	1.052E-04	1.378E-04
3500	34323.49	5	2.5	1.9317	0.00012438	1.282E-04	1.607E-04
4000	39226.84	6	3.0	2.2077	0.00014925	1.512E-04	1.837E-04
4500	44130.20	7	3.5	2.4837	0.00017413	1.741E-04	2.067E-04
5000	49033.55	8	4.0	2.7596	0.00019900	1.971E-04	2.296E-04
5500	53936.91	9	4.5	3.0356	0.00022388	2.201E-04	2.526E-04
6000	58840.26	10	5.0	3.3115	0.00024876	2.430E-04	2.755E-04



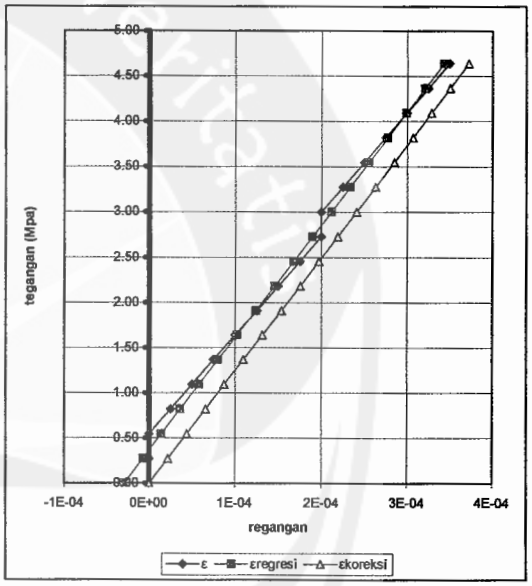
kode sampel:		28I5
d (mm)	P_O (mm)	A_O (mm^2)
150.65	200.7	17832.12

Beban (kgf)	Beban (N)	Δp (mm) 10^{-2}	0.5Δp (mm) 10^{-2}	f (MPa)	ε	$\varepsilon_{regresi}$	$\varepsilon_{koreksi}$
0	0.00	0	0.0	0.0000	0.00000000	-5.168E-05	0.000E+00
500	4903.36	0	0.0	0.2750	0.00000000	-3.141E-05	2.027E-05
1000	9806.71	0	0.0	0.5499	0.00000000	-1.114E-05	4.054E-05
1500	14710.07	0	0.0	0.8249	0.00000000	9.130E-06	6.081E-05
2000	19613.42	0	0.0	1.0999	0.00000000	2.940E-05	8.108E-05
2500	24516.78	1	0.5	1.3749	0.00002491	4.967E-05	1.014E-04
3000	29420.13	2	1.0	1.6498	0.00004983	6.994E-05	1.216E-04
3500	34323.49	3	1.5	1.9248	0.00007474	9.021E-05	1.419E-04
4000	39226.84	4	2.0	2.1998	0.00009965	1.105E-04	1.622E-04
4500	44130.20	5	2.5	2.4748	0.00012456	1.308E-04	1.824E-04
5000	49033.55	6	3.0	2.7497	0.00014948	1.510E-04	2.027E-04
5500	53936.91	7	3.5	3.0247	0.00017439	1.713E-04	2.230E-04
6000	58840.26	8	4.0	3.2997	0.00019930	1.916E-04	2.432E-04
6500	63743.62	9	4.5	3.5747	0.00022422	2.118E-04	2.635E-04



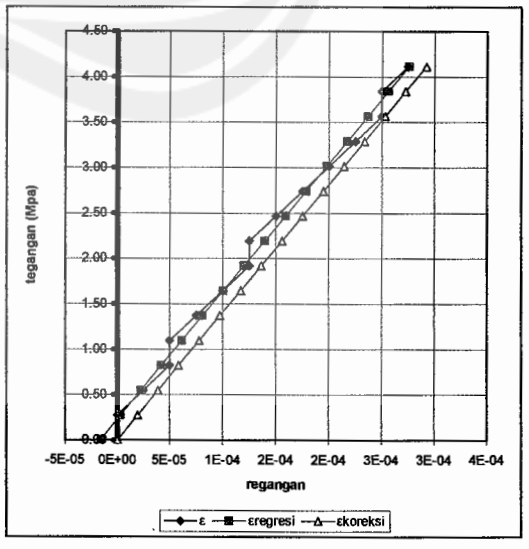
kode sampel:		56I3
d (mm)	P_O (mm)	A_O (mm^2)
151.21	200.5	17964.94

Beban (kgf)	Beban (N)	Δp (mm) 10^{-2}	0.5Δp (mm) 10^{-2}	f (MPa)	ε	$\varepsilon_{regresi}$	$\varepsilon_{koreksi}$
0	0.00	0	0.0	0.0000	0.00000000	-2.932E-05	0.000E+00
500	4903.36	0	0.0	0.2729	0.00000000	-7.455E-06	2.187E-05
1000	9806.71	0	0.0	0.5459	0.00000000	1.441E-05	4.374E-05
1500	14710.07	1	0.5	0.8188	0.00002494	3.628E-05	6.560E-05
2000	19613.42	2	1.0	1.0918	0.00004988	5.815E-05	8.747E-05
2500	24516.78	3	1.5	1.3647	0.00007481	8.002E-05	1.093E-04
3000	29420.13	4	2.0	1.6376	0.00009975	1.019E-04	1.312E-04
3500	34323.49	5	2.5	1.9106	0.00012469	1.238E-04	1.531E-04
4000	39226.84	6	3.0	2.1835	0.00014963	1.456E-04	1.749E-04
4500	44130.20	7	3.5	2.4565	0.00017456	1.675E-04	1.968E-04
5000	49033.55	8	4.0	2.7294	0.00019950	1.894E-04	2.187E-04
5500	53936.91	8	4.0	3.0023	0.00019950	2.112E-04	2.405E-04
6000	58840.26	9	4.5	3.2753	0.00022444	2.331E-04	2.624E-04
6500	63743.62	10	5.0	3.5482	0.00024938	2.550E-04	2.843E-04
7000	68646.97	11	5.5	3.8212	0.00027431	2.768E-04	3.061E-04
7500	73550.33	12	6.0	4.0941	0.00029925	2.987E-04	3.280E-04
8000	78453.68	13	6.5	4.3670	0.00032419	3.206E-04	3.499E-04
8500	83357.04	14	7.0	4.6400	0.00034913	3.424E-04	3.718E-04



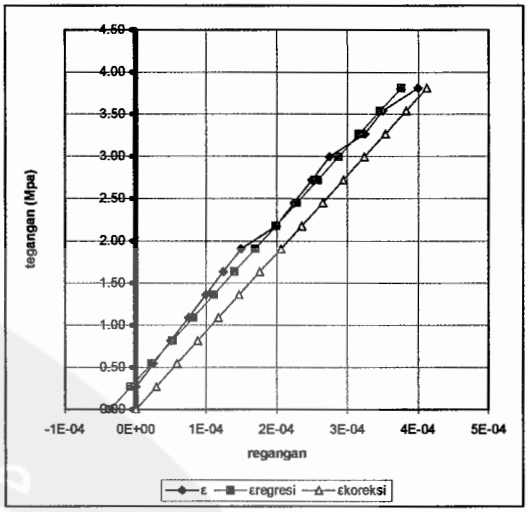
kode sampel:		56I4
d (mm)	P_O (mm)	A_O (mm^2)
150.85	200.2	17879.50

Beban (kgf)	Beban (N)	Δp (mm) 10^{-2}	0.5Δp (mm) 10^{-2}	f (MPa)	ε	$\varepsilon_{regresi}$	$\varepsilon_{koreksi}$
0	0.00	0	0.0	0.0000	0.00000000	-1.632E-05	0.000E+00
500	4903.36	0	0.0	0.2742	0.00000000	3.128E-06	1.945E-05
1000	9806.71	1	0.5	0.5485	0.00002498	2.258E-05	3.890E-05
1500	14710.07	2	1.0	0.8227	0.00004995	4.203E-05	5.835E-05
2000	19613.42	2	1.0	1.0970	0.00004995	6.148E-05	7.780E-05
2500	24516.78	3	1.5	1.3712	0.00007493	8.093E-05	9.725E-05
3000	29420.13	4	2.0	1.6455	0.00009990	1.004E-04	1.167E-04
3500	34323.49	5	2.5	1.9197	0.00012488	1.198E-04	1.362E-04
4000	39226.84	5	2.5	2.1940	0.00012488	1.393E-04	1.556E-04
4500	44130.20	6	3.0	2.4682	0.00014985	1.587E-04	1.751E-04
5000	49033.55	7	3.5	2.7424	0.00017483	1.782E-04	1.945E-04
5500	53936.91	8	4.0	3.0167	0.00019980	1.976E-04	2.140E-04
6000	58840.26	9	4.5	3.2909	0.00022478	2.171E-04	2.334E-04
6500	63743.62	10	5.0	3.5652	0.00024975	2.365E-04	2.529E-04
7000	68646.97	10	5.0	3.8394	0.00024975	2.560E-04	2.723E-04
7500	73550.33	11	5.5	4.1137	0.00027473	2.754E-04	2.918E-04



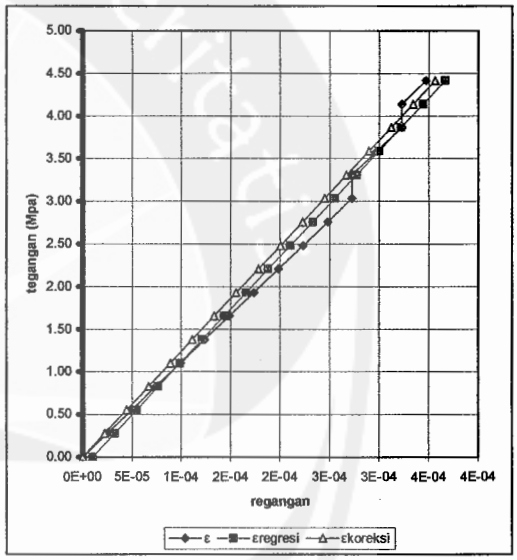
kode sampel:		5615
d (mm)	P_O (mm)	A_O (mm^2)
151.37	200.6	18002.97

Beban (kgf)	Beban (N)	Δp (mm) 10^{-2}	0.5Δp (mm) 10^{-2}	f (MPa)	ε	$\varepsilon_{regresi}$	$\varepsilon_{koreksi}$
0	0.00	0	0.0	0.0000	0.00000000	-3.624E-05	0.000E+00
500	4903.36	0	0.0	0.2724	0.00000000	-6.851E-06	2.939E-05
1000	9806.71	1	0.5	0.5447	0.00002493	2.254E-05	5.878E-05
1500	14710.07	2	1.0	0.8171	0.00004985	5.193E-05	8.817E-05
2000	19613.42	3	1.5	1.0895	0.00007478	8.132E-05	1.176E-04
2500	24516.78	4	2.0	1.3618	0.00009970	1.107E-04	1.470E-04
3000	29420.13	5	2.5	1.6342	0.00012463	1.401E-04	1.763E-04
3500	34323.49	6	3.0	1.9065	0.00014955	1.695E-04	2.057E-04
4000	39226.84	8	4.0	2.1789	0.00019940	1.989E-04	2.351E-04
4500	44130.20	9	4.5	2.4513	0.00022433	2.283E-04	2.645E-04
5000	49033.55	10	5.0	2.7236	0.00024925	2.577E-04	2.939E-04
5500	53936.91	11	5.5	2.9960	0.00027418	2.871E-04	3.233E-04
6000	58840.26	13	6.5	3.2684	0.00032403	3.164E-04	3.527E-04
6500	63743.62	14	7.0	3.5407	0.00034895	3.458E-04	3.821E-04
7000	68646.97	16	8.0	3.8131	0.00039880	3.752E-04	4.115E-04



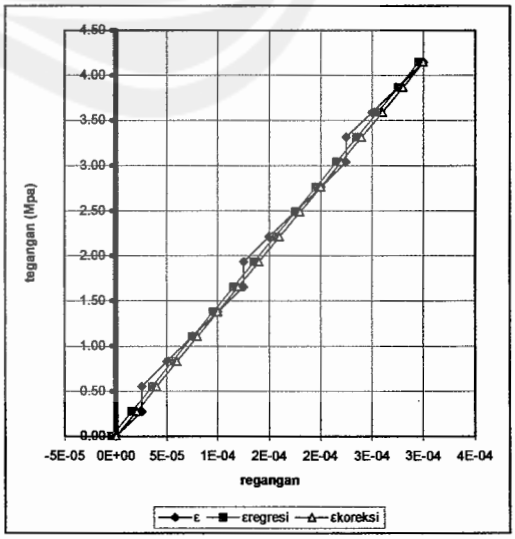
kode sampel:		7J1
d (mm)	P_O (mm)	A_O (mm^2)
150.37	201.8	17765.89

Beban (kgf)	Beban (N)	Δp (mm) 10^{-2}	0.5Δp (mm) 10^{-2}	f (MPa)	ε	$\varepsilon_{regresi}$	$\varepsilon_{koreksi}$
0	0.00	0	0.0	0.0000	0.00000000	9.937E-06	0.000E+00
500	4903.36	1	0.5	0.2760	0.00002478	3.220E-05	2.226E-05
1000	9806.71	2	1.0	0.5520	0.00004955	5.446E-05	4.452E-05
1500	14710.07	3	1.5	0.8280	0.00007433	7.672E-05	6.678E-05
2000	19613.42	4	2.0	1.1040	0.00009911	9.898E-05	8.904E-05
2500	24516.78	5	2.5	1.3800	0.00012389	1.212E-04	1.113E-04
3000	29420.13	6	3.0	1.6560	0.00014866	1.435E-04	1.336E-04
3500	34323.49	7	3.5	1.9320	0.00017344	1.658E-04	1.558E-04
4000	39226.84	8	4.0	2.2080	0.00019822	1.880E-04	1.781E-04
4500	44130.20	9	4.5	2.4840	0.00022299	2.103E-04	2.003E-04
5000	49033.55	10	5.0	2.7600	0.00024777	2.325E-04	2.226E-04
5500	53936.91	11	5.5	3.0360	0.00027255	2.548E-04	2.449E-04
6000	58840.26	11	5.5	3.3120	0.00027255	2.771E-04	2.671E-04
6500	63743.62	12	6.0	3.5880	0.00029732	2.993E-04	2.894E-04
7000	68646.97	13	6.5	3.8640	0.00032210	3.216E-04	3.116E-04
7500	73550.33	13	6.5	4.1400	0.00032210	3.438E-04	3.339E-04
8000	78453.68	14	7.0	4.4160	0.00034688	3.661E-04	3.562E-04



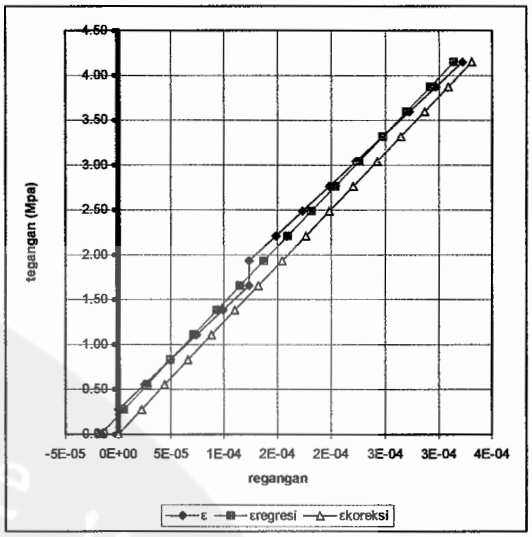
kode sampel:		7J4
d (mm)	P_O (mm)	A_O (mm^2)
150.27	200.3	17742.27

Beban (kgf)	Beban (N)	Δp (mm) 10^{-2}	0.5Δp (mm) 10^{-2}	f (MPa)	ε	$\varepsilon_{regresi}$	$\varepsilon_{koreksi}$
0	0.00	0	0.0	0.0000	0.00000000	-4.706E-06	0.000E+00
500	4903.36	1	0.5	0.2764	0.00002496	1.527E-05	1.997E-05
1000	9806.71	1	0.5	0.5527	0.00002496	3.524E-05	3.995E-05
1500	14710.07	2	1.0	0.8291	0.00004993	5.521E-05	5.992E-05
2000	19613.42	3	1.5	1.1055	0.00007489	7.519E-05	7.989E-05
2500	24516.78	4	2.0	1.3818	0.00009985	9.516E-05	9.987E-05
3000	29420.13	5	2.5	1.6582	0.00012481	1.151E-04	1.198E-04
3500	34323.49	5	2.5	1.9346	0.00012481	1.351E-04	1.398E-04
4000	39226.84	6	3.0	2.2109	0.00014978	1.551E-04	1.598E-04
4500	44130.20	7	3.5	2.4873	0.00017474	1.751E-04	1.798E-04
5000	49033.55	8	4.0	2.7637	0.00019970	1.950E-04	1.997E-04
5500	53936.91	9	4.5	3.0400	0.00022466	2.150E-04	2.197E-04
6000	58840.26	9	4.5	3.3164	0.00022466	2.350E-04	2.397E-04
6500	63743.62	10	5.0	3.5928	0.00024963	2.549E-04	2.597E-04
7000	68646.97	11	5.5	3.8691	0.00027459	2.749E-04	2.796E-04
7500	73550.33	12	6.0	4.1455	0.00029955	2.949E-04	2.996E-04



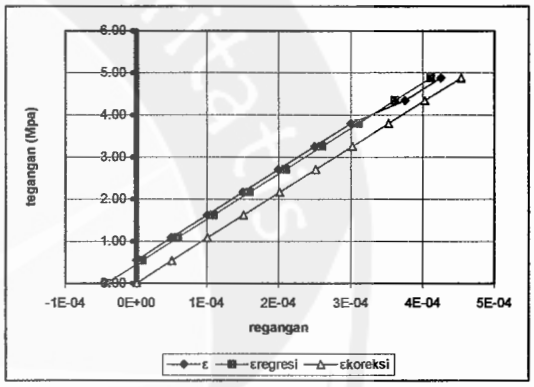
kode sampel:		7J5
d (mm)	P_O (mm)	A_O (mm^2)
150.23	202.1	17732.83

Beban (kgf)	Beban (N)	Δp (mm) 10^{-2}	0.5Δp (mm) 10^{-2}	f (MPa)	ε	$\varepsilon_{regresi}$	$\varepsilon_{koreksi}$
0	0.00	0	0.0	0.0000	0.00000000	-1.677E-05	0.000E+00
500	4903.36	0	0.0	0.2765	0.00000000	5.260E-06	2.203E-05
1000	9806.71	1	0.5	0.5530	0.00002474	2.729E-05	4.406E-05
1500	14710.07	2	1.0	0.8295	0.00004948	4.932E-05	6.608E-05
2000	19613.42	3	1.5	1.1061	0.00007422	7.134E-05	8.811E-05
2500	24516.78	4	2.0	1.3826	0.00009896	9.337E-05	1.101E-04
3000	29420.13	5	2.5	1.6591	0.00012370	1.154E-04	1.322E-04
3500	34323.49	5	2.5	1.9356	0.00012370	1.374E-04	1.542E-04
4000	39226.84	6	3.0	2.2121	0.00014844	1.595E-04	1.762E-04
4500	44130.20	7	3.5	2.4886	0.00017318	1.815E-04	1.983E-04
5000	49033.55	8	4.0	2.7651	0.00019792	2.035E-04	2.203E-04
5500	53936.91	9	4.5	3.0416	0.00022266	2.255E-04	2.423E-04
6000	58840.26	10	5.0	3.3182	0.00024740	2.476E-04	2.643E-04
6500	63743.62	11	5.5	3.5947	0.00027214	2.696E-04	2.864E-04
7000	68646.97	12	6.0	3.8712	0.00029688	2.916E-04	3.084E-04
7500	73550.33	13	6.5	4.1477	0.00032162	3.137E-04	3.304E-04



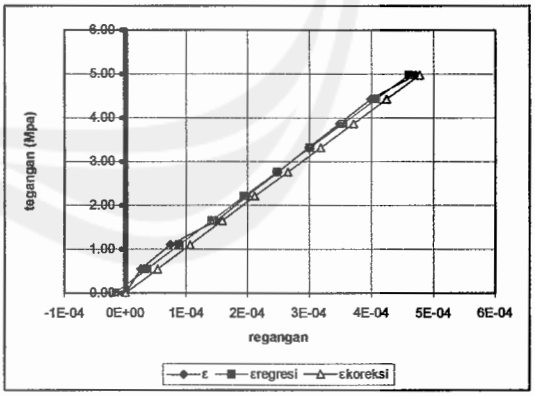
kode sampel:		14J1
d (mm)	P_O (mm)	A_O (mm^2)
151.6	200.4	18057.73

Beban (kgf)	Beban (N)	Δp (mm) 10^{-2}	0.5Δp (mm) 10^{-2}	f (MPa)	ε	$\varepsilon_{regresi}$	$\varepsilon_{koreksi}$
0	0.00	0	0.0	0.0000	0.00000000	-4.156E-05	0.000E+00
1000	9806.71	0	0.0	0.5431	0.00000000	8.702E-06	5.027E-05
2000	19613.42	2	1.0	1.0862	0.00004990	5.897E-05	1.005E-04
3000	29420.13	4	2.0	1.6292	0.00009980	1.092E-04	1.508E-04
4000	39226.84	6	3.0	2.1723	0.00014970	1.595E-04	2.011E-04
5000	49033.55	8	4.0	2.7154	0.00019960	2.098E-04	2.513E-04
6000	58840.26	10	5.0	3.2585	0.00024950	2.600E-04	3.016E-04
7000	68646.97	12	6.0	3.8015	0.00029940	3.103E-04	3.519E-04
8000	78453.68	15	7.5	4.3446	0.00037425	3.606E-04	4.021E-04
9000	88260.39	17	8.5	4.8877	0.00042415	4.108E-04	4.524E-04



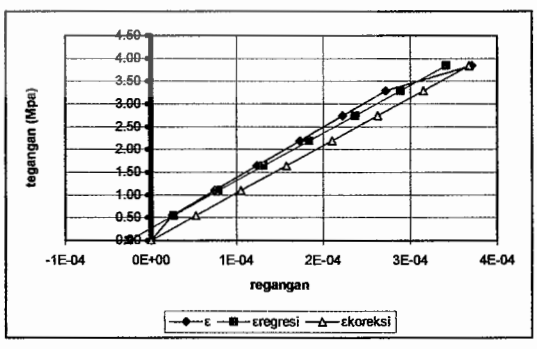
kode sampel:		14J4
d (mm)	P_O (mm)	A_O (mm^2)
150.27	201	17742.27

Beban (kgf)	Beban (N)	Δp (mm) 10^{-2}	0.5Δp (mm) 10^{-2}	f (MPa)	ε	$\varepsilon_{regresi}$	$\varepsilon_{koreksi}$
0	0.00	0	0.0	0.0000	0.00000000	-1.726E-05	0.000E+00
1000	9806.71	1	0.5	0.5527	0.00002488	3.571E-05	5.297E-05
2000	19613.42	3	1.5	1.1055	0.00007463	8.869E-05	1.059E-04
3000	29420.13	6	3.0	1.6582	0.00014925	1.417E-04	1.589E-04
4000	39226.84	8	4.0	2.2109	0.00019900	1.946E-04	2.119E-04
5000	49033.55	10	5.0	2.7637	0.00024876	2.476E-04	2.649E-04
6000	58840.26	12	6.0	3.3164	0.00029851	3.006E-04	3.178E-04
7000	68646.97	14	7.0	3.8691	0.00034826	3.535E-04	3.708E-04
8000	78453.68	16	8.0	4.4219	0.00039801	4.065E-04	4.238E-04
9000	88260.39	19	9.5	4.9772	0.00047006	4.597E-04	4.770E-04



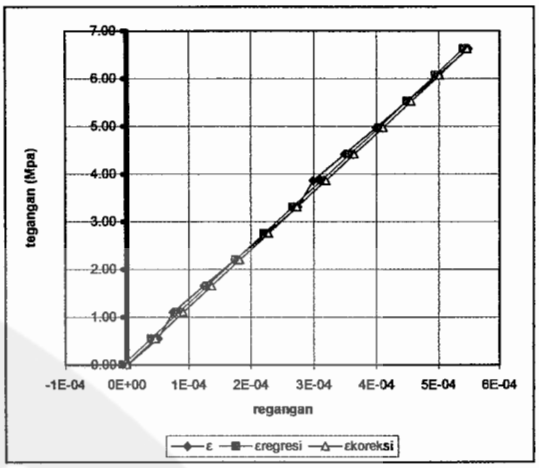
kode sampel:		14J5
d (mm)	P_O (mm)	A_O (mm^2)
150.83	202.6	17874.76

Beban (kgf)	Beban (N)	Δp (mm) 10^{-2}	0.5Δp (mm) 10^{-2}	f (MPa)	ε	$\varepsilon_{regresi}$	$\varepsilon_{koreksi}$
0	0.00	0	0.0	0.0000	0.00000000	-2.616E-05	0.000E+00
1000	9806.71	1	0.5	0.5486	0.00002468	2.627E-05	5.243E-05
2000	19613.42	3	1.5	1.0973	0.00007404	7.869E-05	1.049E-04
3000	29420.13	5	2.5	1.6459	0.00012340	1.311E-04	1.573E-04
4000	39226.84	7	3.5	2.1945	0.00017275	1.835E-04	2.097E-04
5000	49033.55	9	4.5	2.7432	0.00022211	2.360E-04	2.621E-04
6000	58840.26	11	5.5	3.2918	0.00027147	2.884E-04	3.146E-04
7000	68646.97	15	7.5	3.8404	0.00037019	3.408E-04	3.670E-04



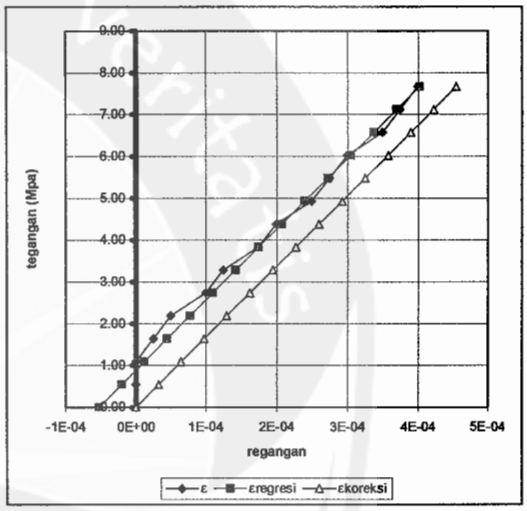
kode sampel:		28J2
d (mm)	P_O (mm)	A_O (mm^2)
150.33	200.75	17756.44

Beban (kgf)	Beban (N)	Δp (mm) 10^{-2}	0.5Δp (mm) 10^{-2}	f (MPa)	ε	$\varepsilon_{regresi}$	$\varepsilon_{koreksi}$
0	0.00	0	0.0	0.0000	0.00000000	-6.809E-06	0.000E+00
1000	9806.71	2	1.0	0.5523	0.00004981	3.871E-05	4.552E-05
2000	19613.42	3	1.5	1.1046	0.00007472	8.423E-05	9.104E-05
3000	29420.13	5	2.5	1.6569	0.00012453	1.297E-04	1.366E-04
4000	39226.84	7	3.5	2.2092	0.00017435	1.753E-04	1.821E-04
5000	49033.55	9	4.5	2.7615	0.00022416	2.208E-04	2.276E-04
6000	58840.26	11	5.5	3.3137	0.00027397	2.663E-04	2.731E-04
7000	68646.97	12	6.0	3.8660	0.00029888	3.118E-04	3.186E-04
8000	78453.68	14	7.0	4.4183	0.00034869	3.573E-04	3.642E-04
9000	88260.39	16	8.0	4.9706	0.00039851	4.029E-04	4.097E-04
10000	98067.10	18	9.0	5.5229	0.00044832	4.484E-04	4.552E-04
11000	107873.81	20	10.0	6.0752	0.00049813	4.939E-04	5.007E-04
12000	117680.52	22	11.0	6.6275	0.00054795	5.394E-04	5.462E-04



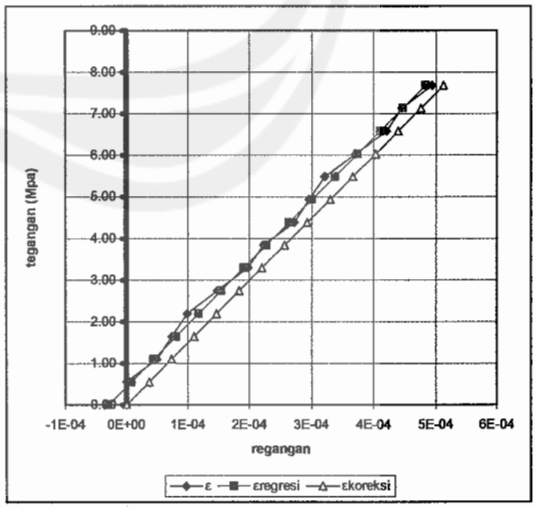
kode sampel:		28J3
d (mm)	P_O (mm)	A_O (mm^2)
150.93	200.8	17898.47

Beban (kgf)	Beban (N)	Δp (mm) 10^{-2}	0.5Δp (mm) 10^{-2}	f (MPa)	ε	$\varepsilon_{regresi}$	$\varepsilon_{koreksi}$
0	0.00	0	0.0	0.0000	0.00000000	-5.258E-05	0.000E+00
1000	9806.71	0	0.0	0.5479	0.00000000	-2.017E-05	3.241E-05
2000	19613.42	0	0.0	1.0958	0.00000000	1.224E-05	6.482E-05
3000	29420.13	1	0.5	1.6437	0.00002490	4.465E-05	9.724E-05
4000	39226.84	2	1.0	2.1916	0.00004980	7.707E-05	1.296E-04
5000	49033.55	4	2.0	2.7395	0.00009960	1.095E-04	1.621E-04
6000	58840.26	5	2.5	3.2874	0.00012450	1.419E-04	1.945E-04
7000	68646.97	7	3.5	3.8354	0.00017430	1.743E-04	2.269E-04
8000	78453.68	8	4.0	4.3833	0.00019920	2.067E-04	2.593E-04
9000	88260.39	10	5.0	4.9312	0.00024900	2.391E-04	2.917E-04
10000	98067.10	11	5.5	5.4791	0.00027390	2.715E-04	3.241E-04
11000	107873.81	12	6.0	6.0270	0.00029880	3.040E-04	3.565E-04
12000	117680.52	14	7.0	6.5749	0.00034861	3.364E-04	3.889E-04
13000	127487.23	15	7.5	7.1228	0.00037351	3.688E-04	4.214E-04
14000	137293.94	16	8.0	7.6707	0.00039841	4.012E-04	4.538E-04



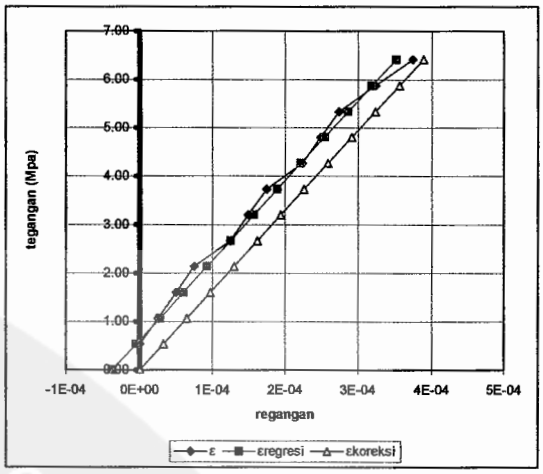
kode sampel:		28J4
d (mm)	P_O (mm)	A_O (mm^2)
150.6	200.95	17820.28

Beban (kgf)	Beban (N)	Δp (mm) 10^{-2}	0.5Δp (mm) 10^{-2}	f (MPa)	ε	$\varepsilon_{regresi}$	$\varepsilon_{koreksi}$
0	0.00	0	0.0	0.0000	0.00000000	-2.911E-05	0.000E+00
1000	9806.71	0	0.0	0.5486	0.00000000	7.481E-06	3.659E-05
2000	19613.42	2	1.0	1.0973	0.00004936	4.408E-05	7.319E-05
3000	29420.13	3	1.5	1.6459	0.00007404	8.067E-05	1.098E-04
4000	39226.84	4	2.0	2.1945	0.00009872	1.173E-04	1.464E-04
5000	49033.55	6	3.0	2.7432	0.00014808	1.539E-04	1.830E-04
6000	58840.26	8	4.0	3.2918	0.00019743	1.905E-04	2.196E-04
7000	68646.97	9	4.5	3.8404	0.00022211	2.270E-04	2.562E-04
8000	78453.68	11	5.5	4.3891	0.00027147	2.636E-04	2.928E-04
9000	88260.39	12	6.0	4.9377	0.00029615	3.002E-04	3.294E-04
10000	98067.10	13	6.5	5.4863	0.00032083	3.368E-04	3.659E-04
11000	107873.81	15	7.5	6.0350	0.00037019	3.734E-04	4.025E-04
12000	117680.52	17	8.5	6.5836	0.00041955	4.100E-04	4.391E-04
13000	127487.23	18	9.0	7.1323	0.00044423	4.466E-04	4.757E-04
14000	137293.94	20	10.0	7.6809	0.00049358	4.832E-04	5.123E-04



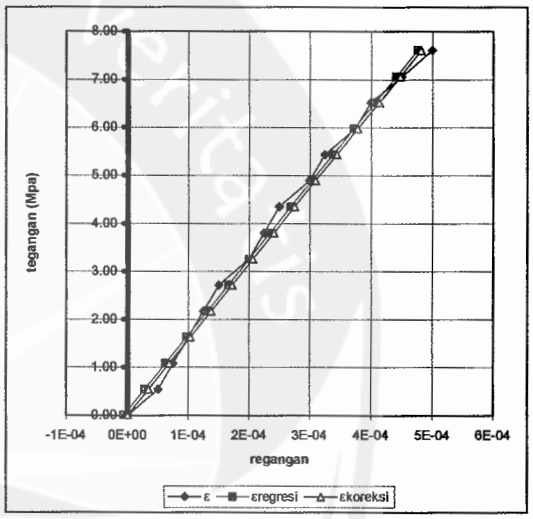
kode sampel:		56J3
d (mm)	P_O (mm)	A_O (mm^2)
152.85	200.95	18356.74

Beban (kgf)	Beban (N)	Δp (mm) 10^{-2}	0.5Δp (mm) 10^{-2}	f (MPa)	ε	$\varepsilon_{regresi}$	$\varepsilon_{koreksi}$
0	0.00	0	0.0	0.0000	0.00000000	-3.705E-05	0.000E+00
1000	9806.71	0	0.0	0.5342	0.00000000	-4.715E-06	3.233E-05
2000	19613.42	1	0.5	1.0685	0.00002488	2.762E-05	6.466E-05
3000	29420.13	2	1.0	1.6027	0.00004976	5.995E-05	9.700E-05
4000	39226.84	3	1.5	2.1369	0.00007465	9.228E-05	1.293E-04
5000	49033.55	5	2.5	2.6711	0.00012441	1.246E-04	1.617E-04
6000	58840.26	6	3.0	3.2054	0.00014929	1.569E-04	1.940E-04
7000	68646.97	7	3.5	3.7396	0.00017417	1.893E-04	2.263E-04
8000	78453.68	9	4.5	4.2738	0.00022394	2.216E-04	2.587E-04
9000	88260.39	10	5.0	4.8081	0.00024882	2.539E-04	2.910E-04
10000	98067.10	11	5.5	5.3423	0.00027370	2.863E-04	3.233E-04
11000	107873.81	13	6.5	5.8765	0.00032346	3.186E-04	3.557E-04
12000	117680.52	15	7.5	6.4108	0.00037323	3.509E-04	3.880E-04



kode sampel:		56J4
d (mm)	P_O (mm)	A_O (mm^2)
151.54	200.7	18043.43

Beban (kgf)	Beban (N)	Δp (mm) 10^{-2}	0.5Δp (mm) 10^{-2}	f (MPa)	ε	$\varepsilon_{regresi}$	$\varepsilon_{koreksi}$
0	0.00	0	0.0	0.0000	0.00000000	-6.049E-06	0.000E+00
1000	9806.71	2	1.0	0.5435	0.00004983	2.827E-05	3.432E-05
2000	19613.42	3	1.5	1.0870	0.00007474	6.259E-05	6.864E-05
3000	29420.13	4	2.0	1.6305	0.00009965	9.691E-05	1.030E-04
4000	39226.84	5	2.5	2.1740	0.00012456	1.312E-04	1.373E-04
5000	49033.55	6	3.0	2.7175	0.00014948	1.655E-04	1.716E-04
6000	58840.26	8	4.0	3.2610	0.00019930	1.999E-04	2.059E-04
7000	68646.97	9	4.5	3.8045	0.00022422	2.342E-04	2.402E-04
8000	78453.68	10	5.0	4.3480	0.00024913	2.685E-04	2.745E-04
9000	88260.39	12	6.0	4.8916	0.00029895	3.028E-04	3.089E-04
10000	98067.10	13	6.5	5.4351	0.00032387	3.371E-04	3.432E-04
11000	107873.81	15	7.5	5.9786	0.00037369	3.715E-04	3.775E-04
12000	117680.52	16	8.0	6.5221	0.00039860	4.058E-04	4.118E-04
13000	127487.23	18	9.0	7.0656	0.00044843	4.401E-04	4.461E-04
14000	137293.94	20	10.0	7.6091	0.00049826	4.744E-04	4.805E-04



kode sampel:		56J5
d (mm)	P_O (mm)	A_O (mm^2)
151.74	200.6	18091.09

Beban (kgf)	Beban (N)	Δp (mm) 10^{-2}	0.5Δp (mm) 10^{-2}	f (MPa)	ε	$\varepsilon_{regresi}$	$\varepsilon_{koreksi}$
0	0.00	0	0.0	0.0000	0.00000000	-3.522E-06	0.000E+00
1000	9806.71	1	0.5	0.5421	0.00002493	1.980E-05	2.332E-05
2000	19613.42	2	1.0	1.0841	0.00004985	4.311E-05	4.664E-05
3000	29420.13	2	1.0	1.6262	0.00004985	6.643E-05	6.995E-05
4000	39226.84	3	1.5	2.1683	0.00007478	8.975E-05	9.327E-05
5000	49033.55	4	2.0	2.7104	0.00009970	1.131E-04	1.166E-04
6000	58840.26	6	3.0	3.2524	0.00014955	1.364E-04	1.399E-04
7000	68646.97	7	3.5	3.7945	0.00017448	1.597E-04	1.632E-04
8000	78453.68	8	4.0	4.3366	0.00019940	1.830E-04	1.865E-04
9000	88260.39	9	4.5	4.8787	0.00022433	2.063E-04	2.099E-04
10000	98067.10	9	4.5	5.4207	0.00022433	2.297E-04	2.332E-04
11000	107873.81	10	5.0	5.9628	0.00024925	2.530E-04	2.565E-04
12000	117680.52	11	5.5	6.5049	0.00027418	2.763E-04	2.798E-04
13000	127487.23	12	6.0	7.0470	0.00029910	2.996E-04	3.031E-04
14000	137293.94	12	6.0	7.5890	0.00029910	3.229E-04	3.264E-04
15000	147100.65	14	7.0	8.1311	0.00034895	3.462E-04	3.498E-04