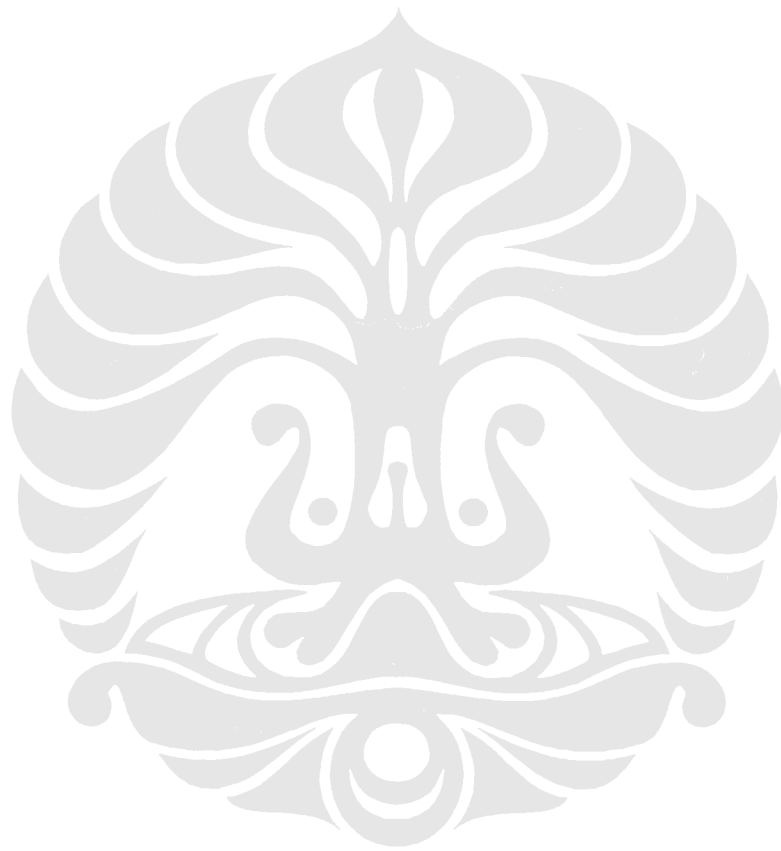
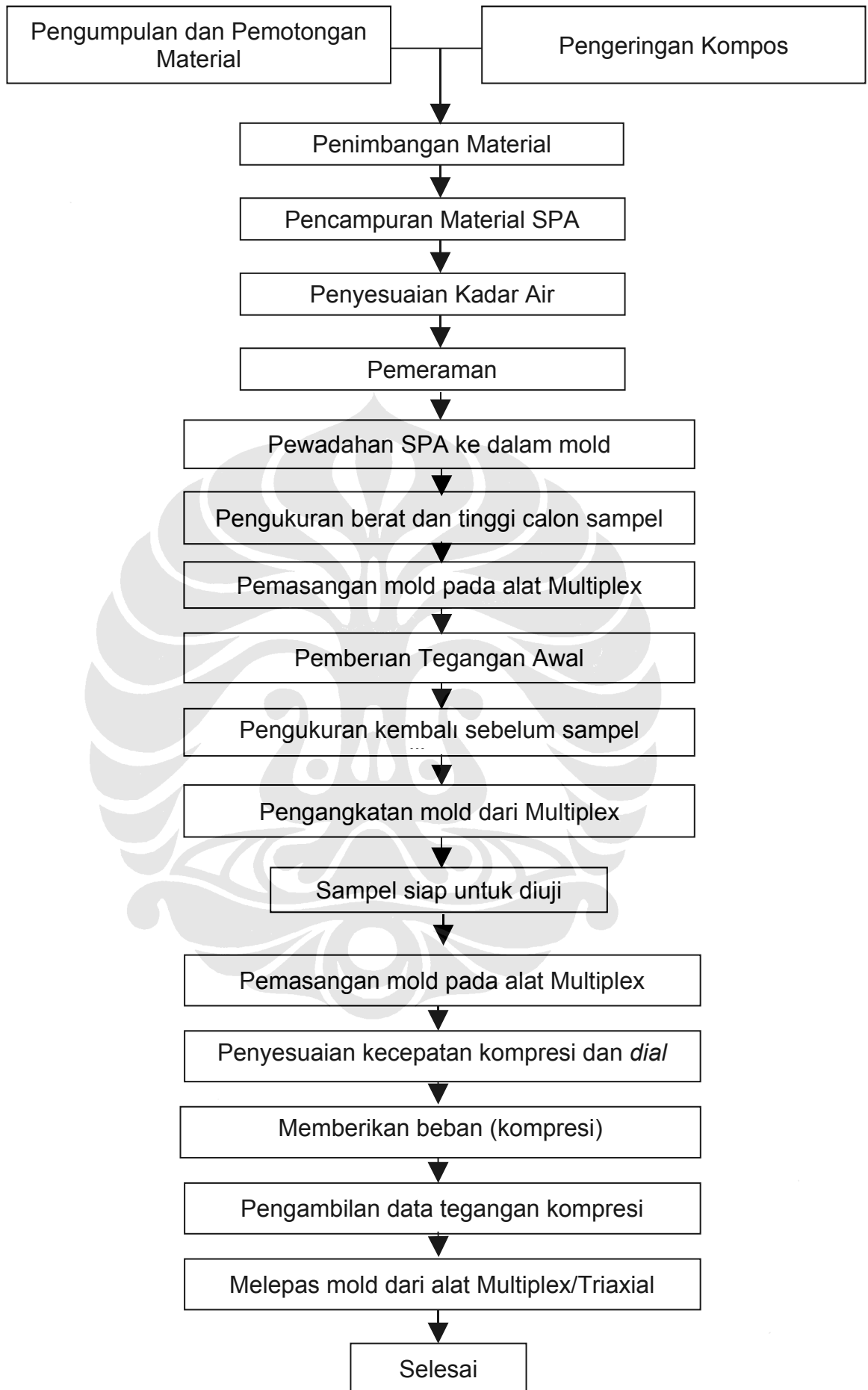


LAMPIRAN A

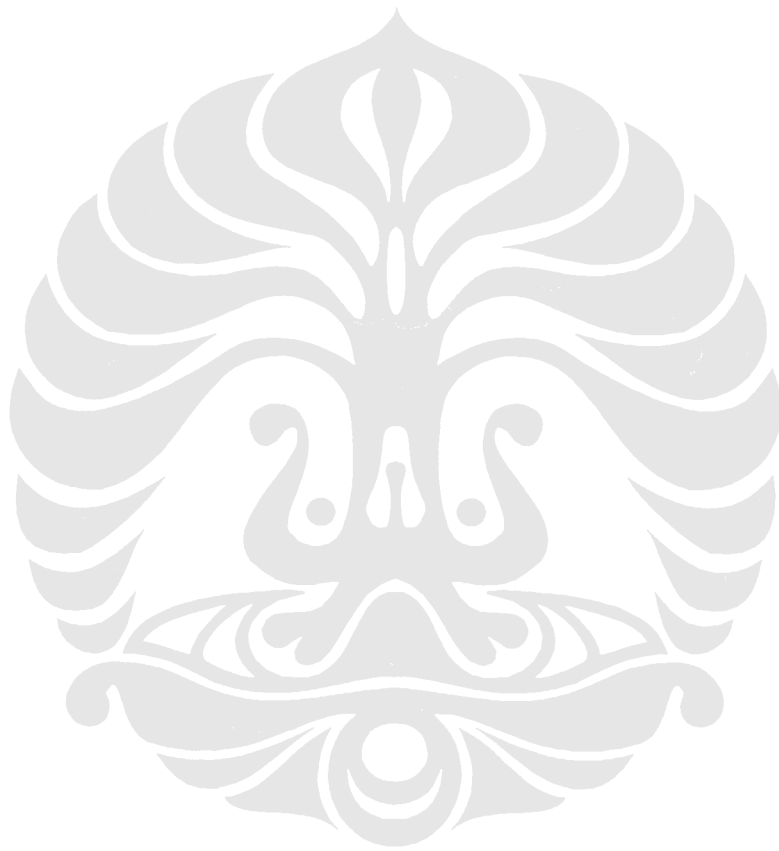
**DIAGRAM ALIR PENGUJIAN KOMPRESIBILITAS SPA VARIASI
PARTIKEL
DENGAN METODE CONSTANT RATE OF STRAIN**

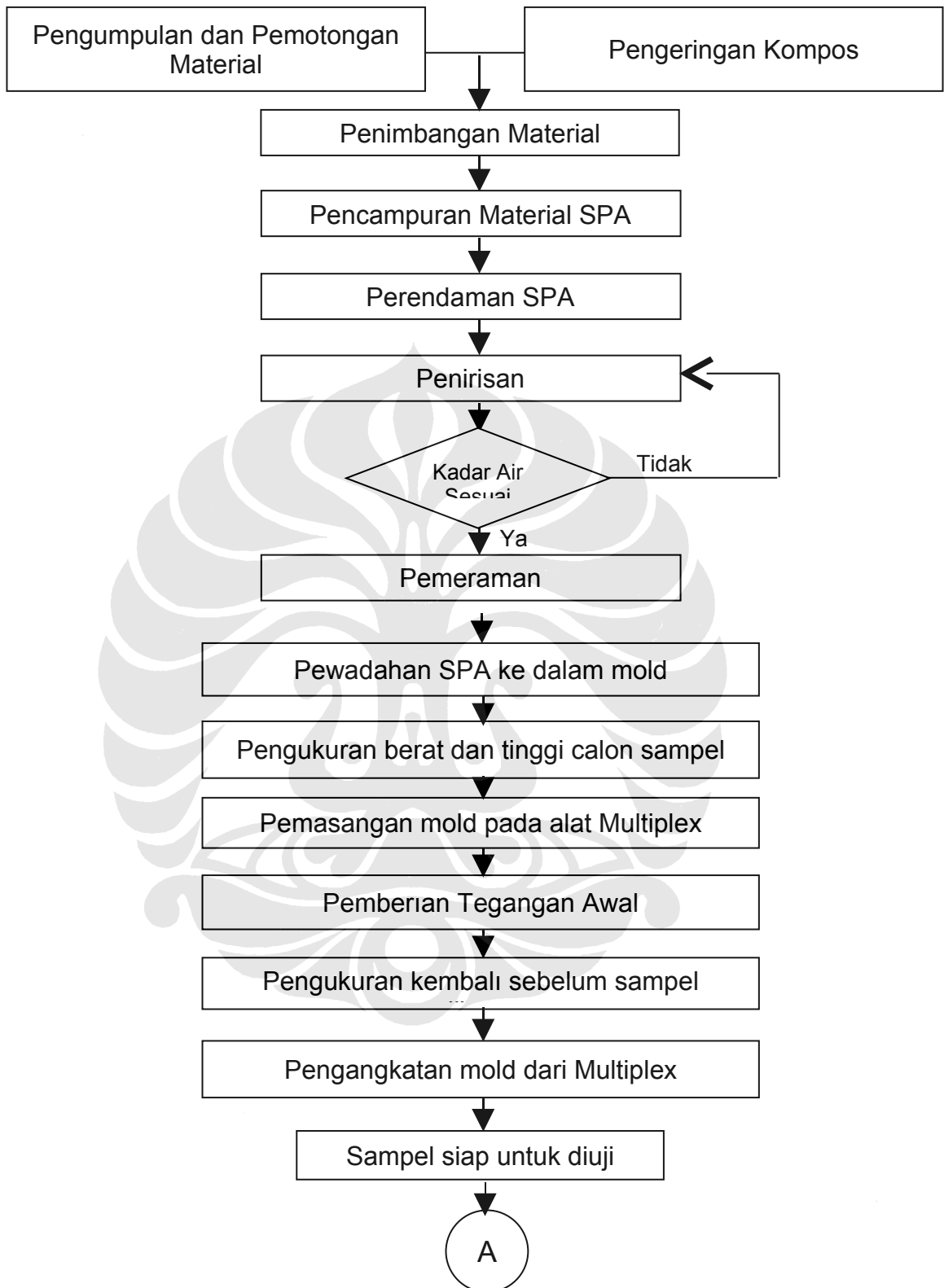


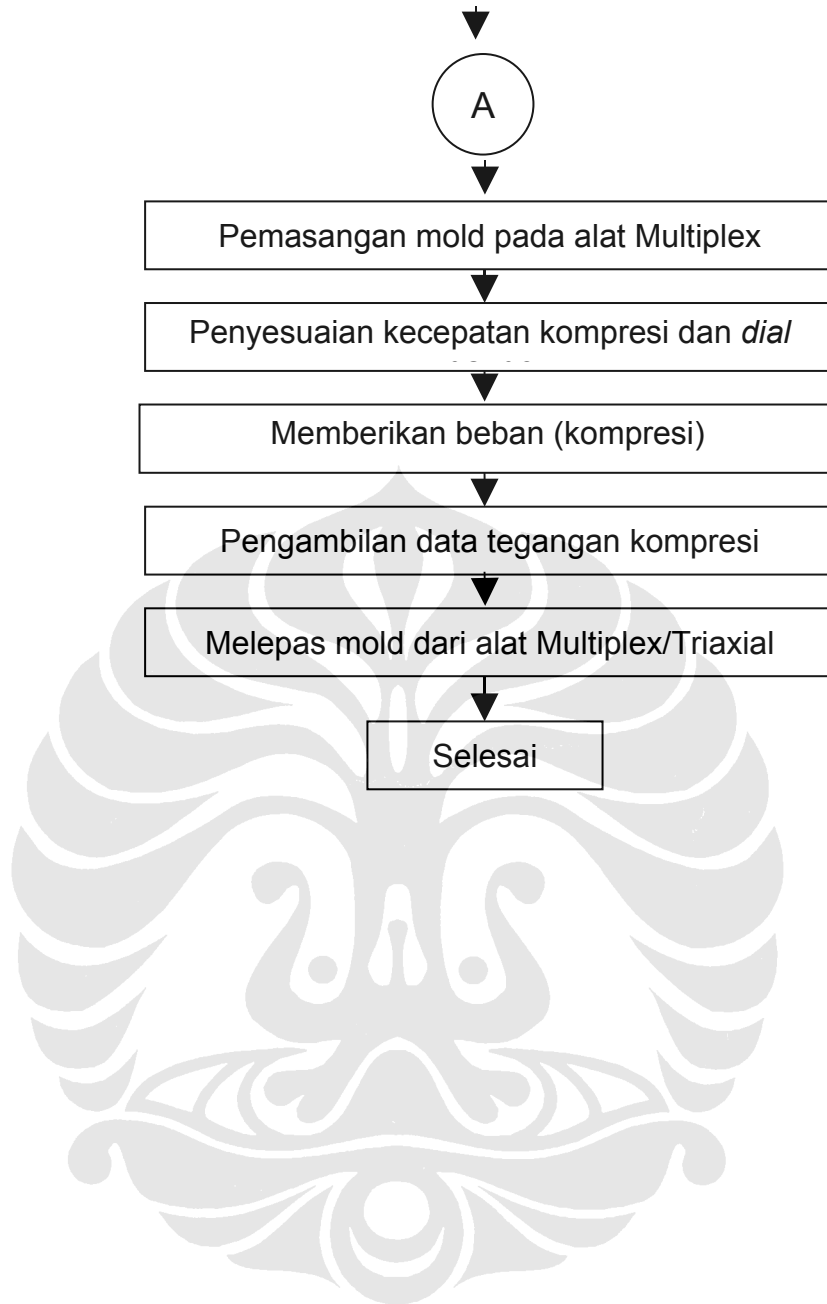


LAMPIRAN B

DIAGRAM ALIR UJI KOMPRESIBILITAS SPA VARIASI WAKTU DEKOMPOSISI DENGAN METODE CONSTANT RATE OF STRAIN

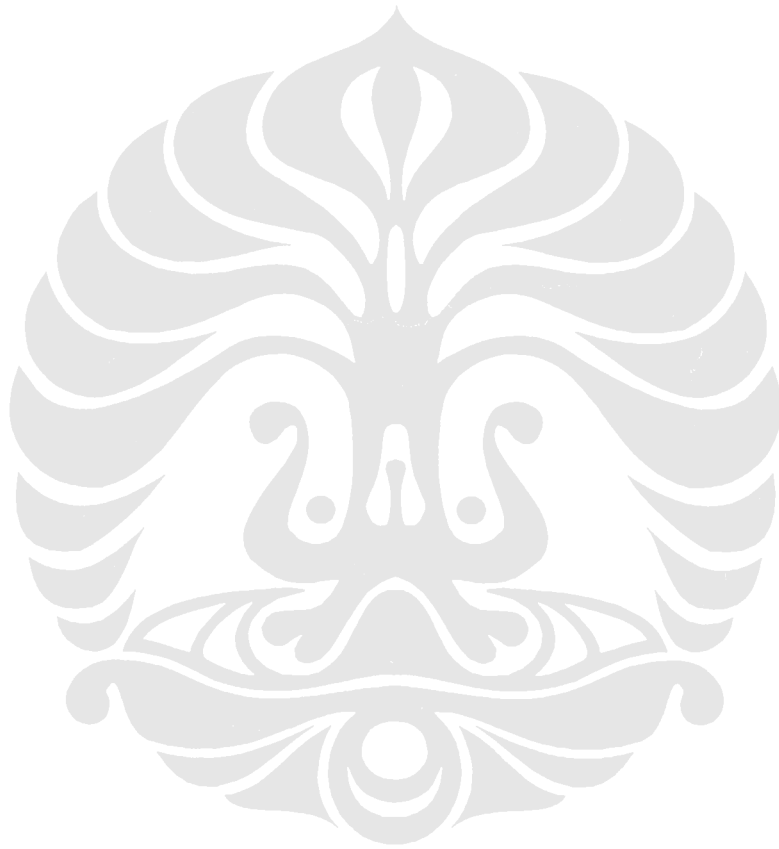






LAMPIRAN C

CONTOH PENCATATAN DAN PENGOLAHAN DATA PENGUJIAN



A. FORM PEMBUATAN SAMPEL

No. : 1
 Tipe : 2
 Kadar Air (%) : 50
 σ_{awal} (kPa) : 40
 Ukuran Material (cm) : 1
 : M-28 / 2.522
 UCS / LRF : kgf/div
 Juml div u/ σ -awal : 12.3 div
 Mold / Pelat : 3 / pelat penutup

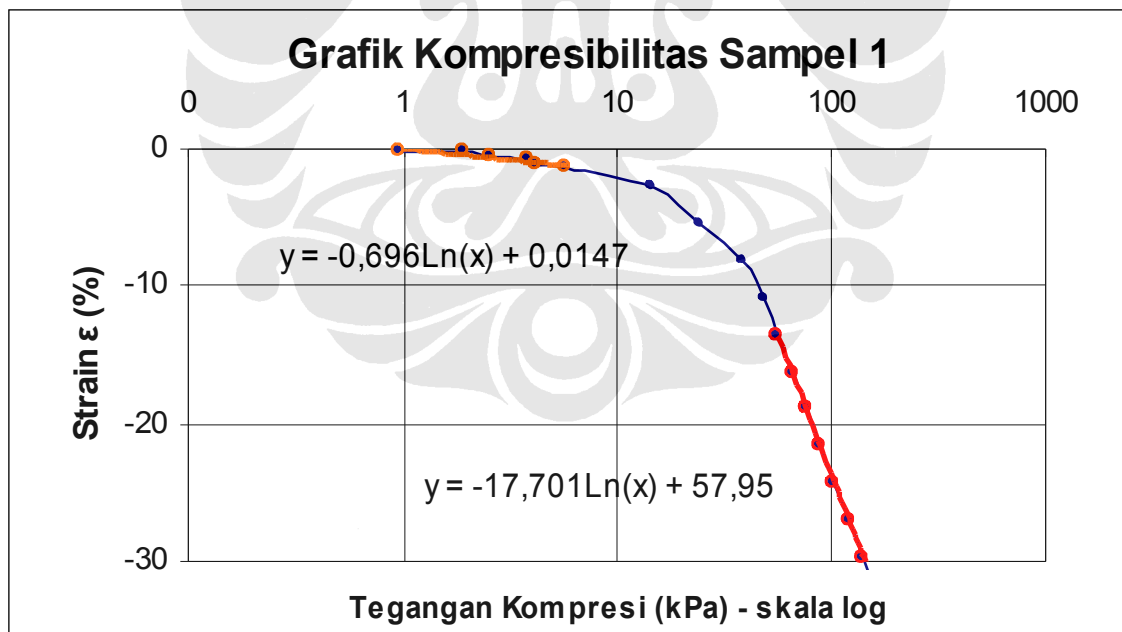
Data Sampel	Sebelum	Setelah
	σ -komp awal	σ -komp awal
Diameter (cm)	10.175	10.175
$H_{pelat\ ke\ mulut\ mold}$ (cm)	3,3	7,6
H_{sampel} (cm)	11,675	7,375
Volume _{sampel} (m ³)	0,000949327	0,000599682
Berat _{sampel+mold+pelat} (gr)	5374	5377
Berat _{sampel} (gr)	362	365
Berat _{sampel} (kN)	0,0035476	0,003577
Unit Weight (kN/m ³)	3,736965082	5,964831754

Waktu (menit ke..)	Pembacaan Dial (div)	Penurunan Gaya Kompresi (div)	Tingkat Penurunan (div/menit)
0	12,30	0	0
0,16666667	11	1,3	7,8000
0,5	10,75	1,55	3,1000
1	10,50	1,8	1,8000
2	10,25	2,05	1,0250
4	10,00	2,3	0,5750
8	9,75	2,55	0,3188
15	9,20	3,1	0,2067
30	8,60	3,7	0,1233
60	8,20	4,1	0,0683

B. FORM UJI KOMPRESIBILITAS

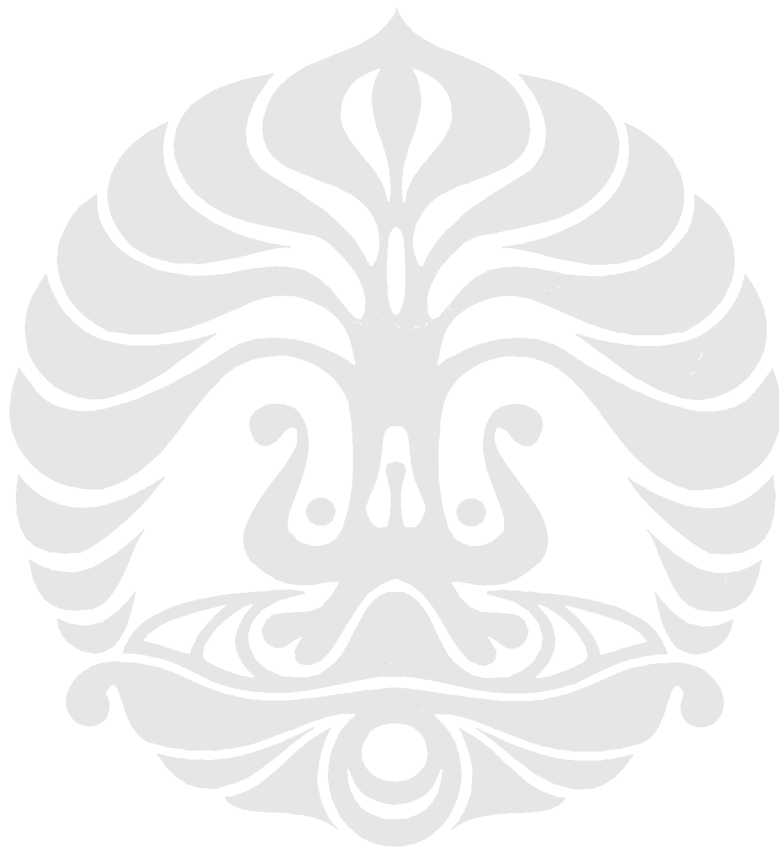
Pen Dial (mm)	Strain ϵ Load Dial		Tegangan Vertikal (kPa)
	%	(div)	
0,0	0,0	0,00	0
-0,1	-0,1356	0,30	0,9750
-0,2	-0,2712	0,60	1,9500
-0,4	-0,5424	0,80	2,6000
-0,6	-0,8136	1,20	3,9001
-0,8	-1,0847	1,30	4,2251
-1	-1,3559	1,80	5,8501
-2	-2,7119	4,50	14,6253
-4	-5,4237	7,50	24,3754
-6	-8,1356	11,85	38,5132
-8	-10,8475	15,00	48,7509

Pen Dial (mm)	Strain ϵ Load Dial		Tegangan Vertikal (kPa)
	%	(div)	
-10	-13,5593	17,50	56,8760
-12	-16,2712	20,60	66,9512
-14	-18,9831	24,00	78,0014
-16	-21,6949	27,75	90,1891
-18	-24,4068	32,00	104,0018
-20	-27,1186	37,25	121,0647
-22	-29,8305	43,25	140,5650
-24	-32,5424	50,50	164,1279
-26	-35,2542	59,00	191,7534
-28	-37,9661	69,75	226,6915
-30	-40,6780	82,75	268,9423

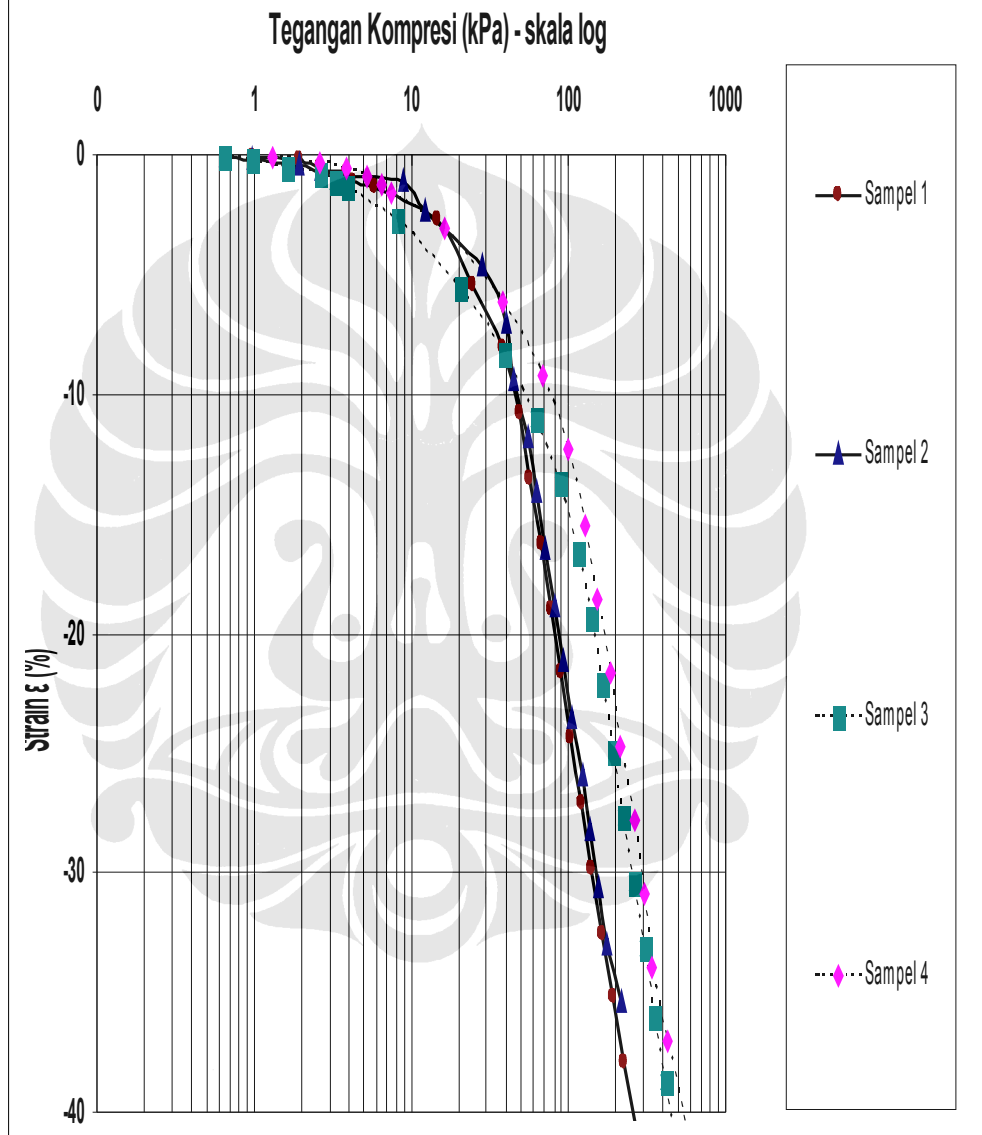


LAMPIRAN D

GRAFIK KOMPRESIBILITAS SPA TIPE 2 UKURAN SEDANG

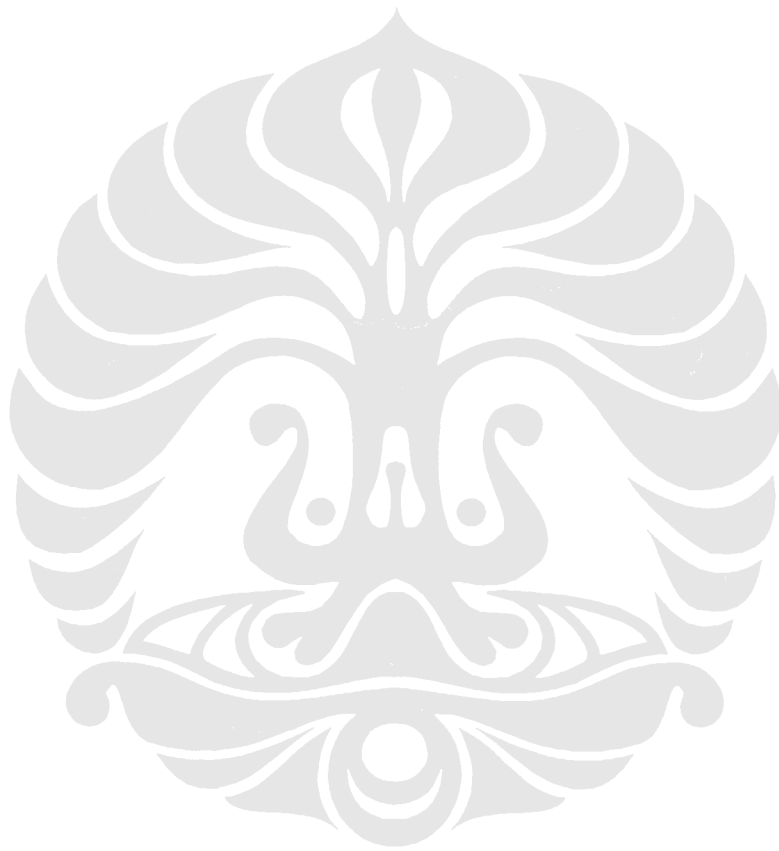


Grafik Kompresibilitas Sampel Tipe 2

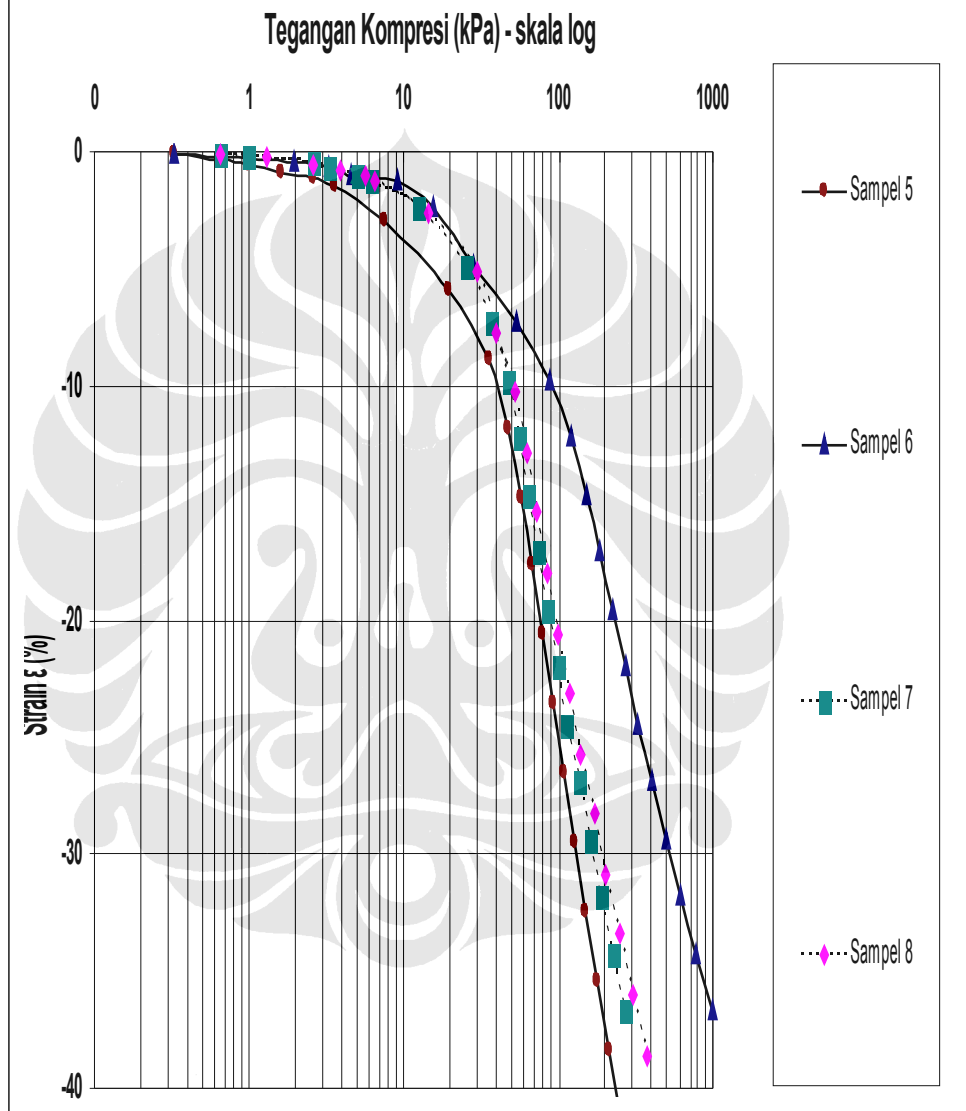


LAMPIRAN E

GRAFIK KOMPRESIBILITAS SPA UKURAN BESAR

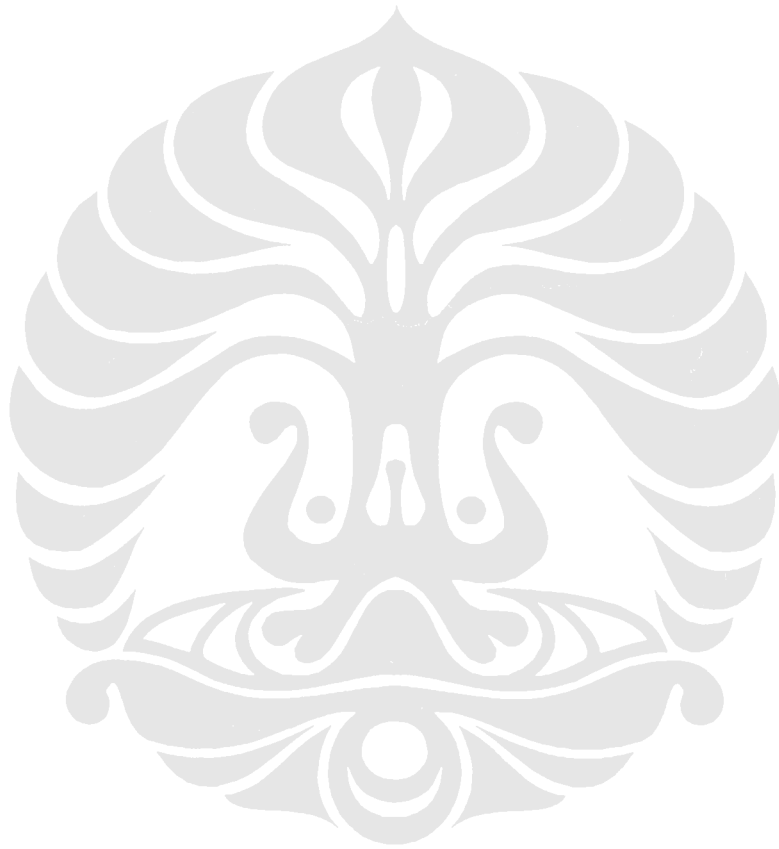


Grafik Kompresibilitas Sampel Besar

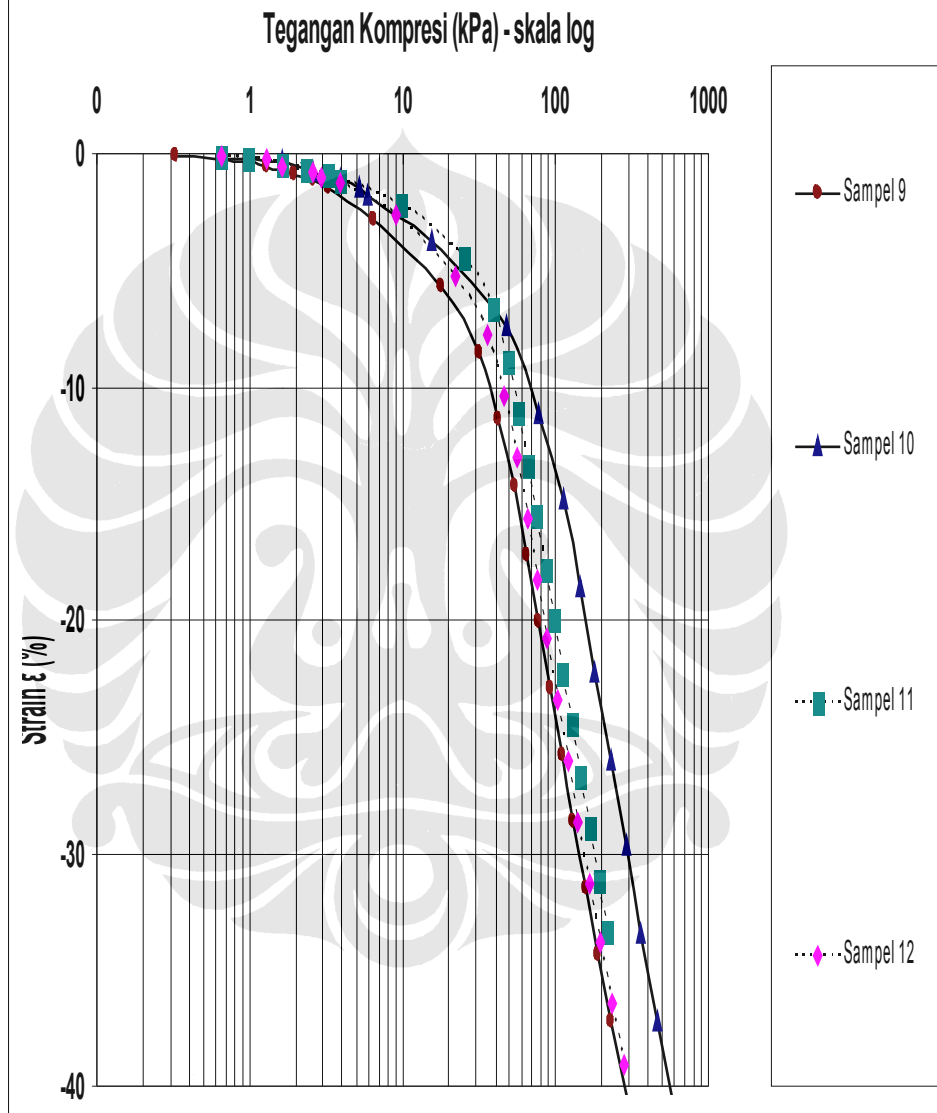


LAMPIRAN F

GRAFIK KOMPRESIBILITAS SPA UKURAN KECIL

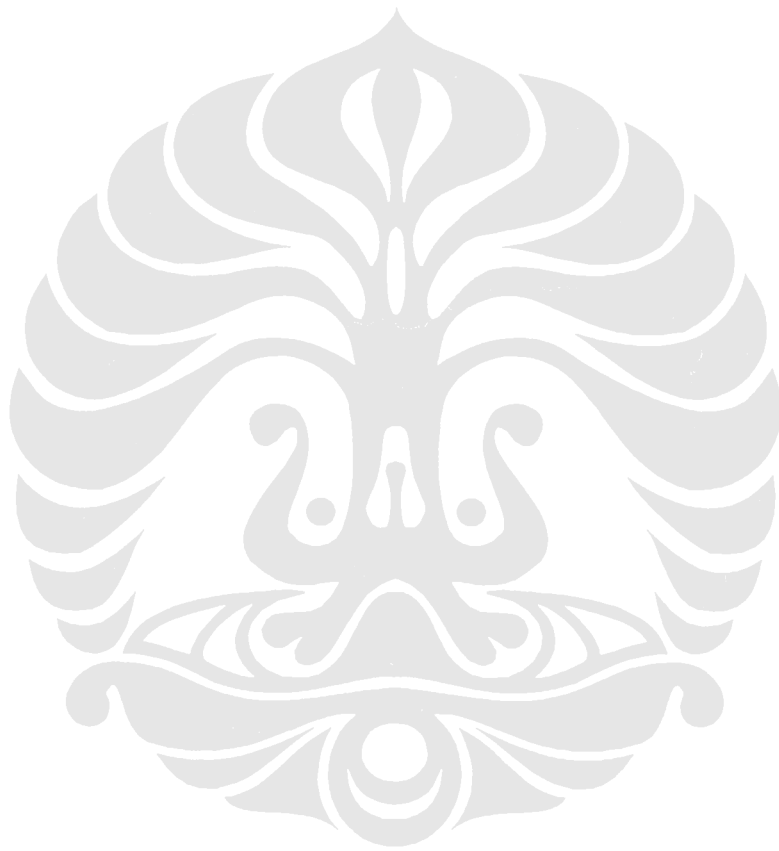


Grafik Kompresibilitas Sampel Kecil

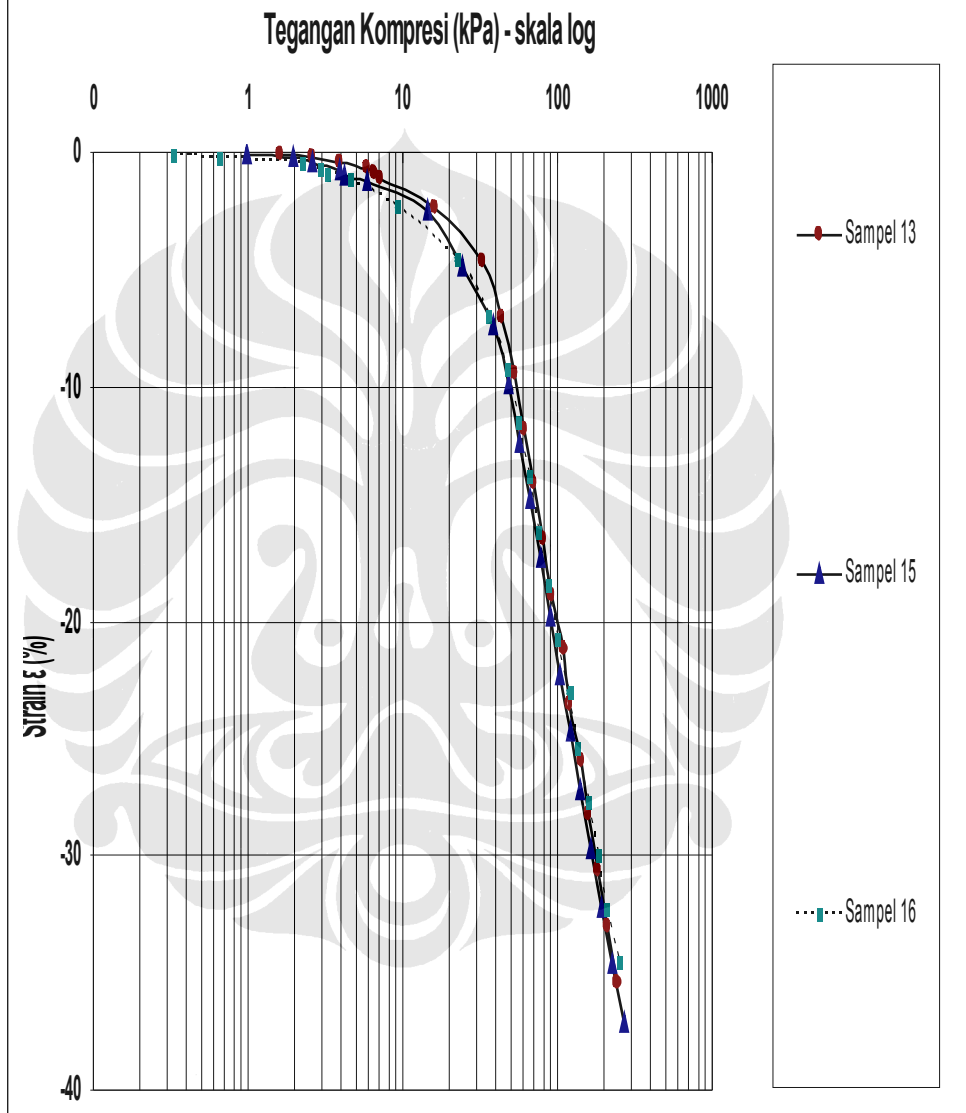


LAMPIRAN G

GRAFIK KOMPRESIBILITAS SPA TERDEKOMPOSISI 14 HARI

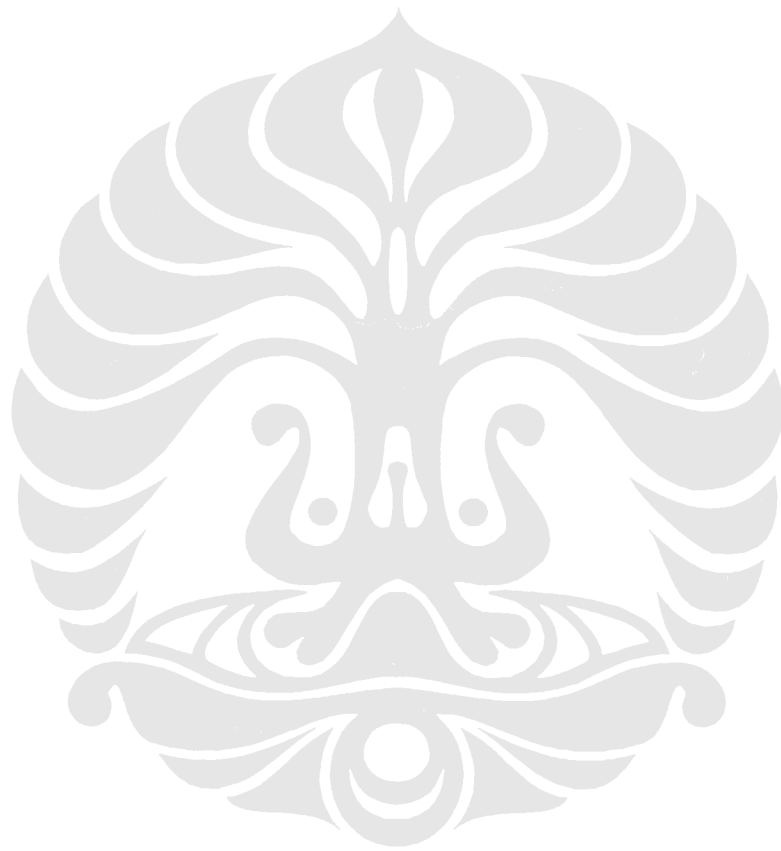


Grafik Kompresibilitas Sampel 14 Hari



LAMPIRAN H

GRAFIK KOMPRESIBILITAS SPA TERDEKOMPOSISI 28 HARI



Grafik Kompresibilitas Sampel 28 Hari

