LABORATORIUM MEKANIKA TANAH
FAKULTAS TEKNIK SIPIL DAN PERENCANAA
UNIVERSITAS ISLAM INDONESIA
Jl. Kaliurang KM. 14,4 Telp. (0274) 895042, 895707 fax 895330 Yogyakarta 55584.

TRIAXIAL COMPRESION TEST LOADING DATA

Project : Tugas Akhir
Location : Salaman, Magelang, Jawa Tengah
Description of soi : Clay

Sampel : Clay + 0.5% ijuk 3cm
Date : 14 Mei 2004
Tested by : Ujang + Mariza

Type of test apparatus		Dimension of test piece	Hight	H cm	7.50
No. Of cell			Diameter	D cm	4.00
No. of Proving ring			Cross area	A cm²	12.5664
Coeff. proving ring K =	0.165		Volume	V cm³	94.2478
k = K / A	0.0131303		Wight	W gram	160
Cell pessure	1.00	Rate of compression : 0.5%	Wet densit	gr/cm³	1.6977

Time	Strain			Reading of proving ring		Pore pressure	
	Axial deformation	Strain				u	
		%			kg/cm²	kg/cm²	kg/cm²
0	0	0	1	0	0		
	40	0.533	0.995	25	0.32650637		
	80	1.067	0.989	38	0.49362861		
	120	1.600	0.984	52	0.67185031		
	160	2.133	0.979	65	0.83526106		
	200	2.667	0.973	75	0.95851064		
	240	3.200	0.968	80	1.01680910		
	280	3.733	0.963	84	1.06176719		
	320	4.267	0.957	88	1.10616505		
	360	4.800	0.952	93	1.16250272		
	400	5.333	0.947	98	1.21814010		
	440	5.867	0.941	102	1.26071723		
	480	6.400	0.936	106	1.30273414		
	520	6.933	0.931	111	1.35641073		
	560	7.467	0.925	115	1.39723716		
	600	8.000	0.920	117	1.41334364		
	640	8.533	0.915	121	1.45318967		
	680	9.067	0.909	124	1.48053568		
	720	9.600	0.904	126	1.49559173		
	760	10.133	0.899	129	1.52216743		
	800	10.667	0.893	131	1.53659323		
	840	11.200	0.888	133	1.55073892		
	880	11.733	0.883	132	1.52983551		
	920	12.267	0.877	132	1.52059179		
	960	12.800	0.872				
	1000	13.333	0.867				
	1040	13.867	0.861				
	1080	14.400	0.856				
	1120	14.933	0.851				
	1160	15.467	0.845				

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TRIAXIAL COMPRESION TEST LOADING DATA

Project : Tugas Akhir
Location : Salaman, Magelang, Jawa Tengah
Description of soi : Clay
Sampel : Clay + 0.5% Ijuk 3cm
Date : 14 Mei 2004
Tested by : Ujang + Mariza

Type of test apparatus		Dimension of test piece	Hight	H cm	7.50
No. Of cell			Diameter	D cm	4.00
No. of Proving ring			Cross area	A cm²	12.5664
Coeff. proving ring K =	0.165		Volume	V cm³	94.2478
k = K / A	0.01313		Wight	W gram	160
Cell pessure	2.00	Rate of compression : 0.5	Wet density	gr/cm³	1.6977

Time	Strain			Reading of proving ring		Pore pressure	
	Axial deformation	Strain				u	
		%			kg/cm²	kg/cm²	kg/cm²
0	0	0	1	0	0		
	40	0.533	0.995	40	0.522410185		
	80	1.067	0.989	52	0.675491776		
	120	1.600	0.984	76	0.981935069		
	160	2.133	0.979	85	1.092264459		
	200	2.667	0.973	97	1.239673767		
	240	3.200	0.968	103	1.309141717		
	280	3.733	0.963	110	1.390409414		
	320	4.267	0.957	114	1.432986544		
	360	4.800	0.952	120	1.500003508		
	400	5.333	0.947	128	1.591040135		
	440	5.867	0.941	137	1.693316285		
	480	6.400	0.936	140	1.720592259		
	520	6.933	0.931	144	1.759667980		
	560	7.467	0.925	150	1.822483253		
	600	8.000	0.920	154	1.860298468		
	640	8.533	0.915	160	1.921573121		
	680	9.067	0.909	165	1.970067632		
	720	9.600	0.904	170	2.017861861		
	760	10.133	0.899	172	2.029556567		
	800	10.667	0.893	176	2.064430598		
	840	11.200	0.888	180	2.098744404		
	880	11.733	0.883	184	2.132497984		
	920	12.267	0.877	187	2.154171704		
	960	12.800	0.872	190	2.175425255		
	1000	13.333	0.867	192	2.184879059		
	1040	13.867	0.861	190	2.148814549		
	1080	14.400	0.856	189	2.124269673		
	1120	14.933	0.851	188	2.099864854		
	1160	15.467	0.845	188	2.086699557		

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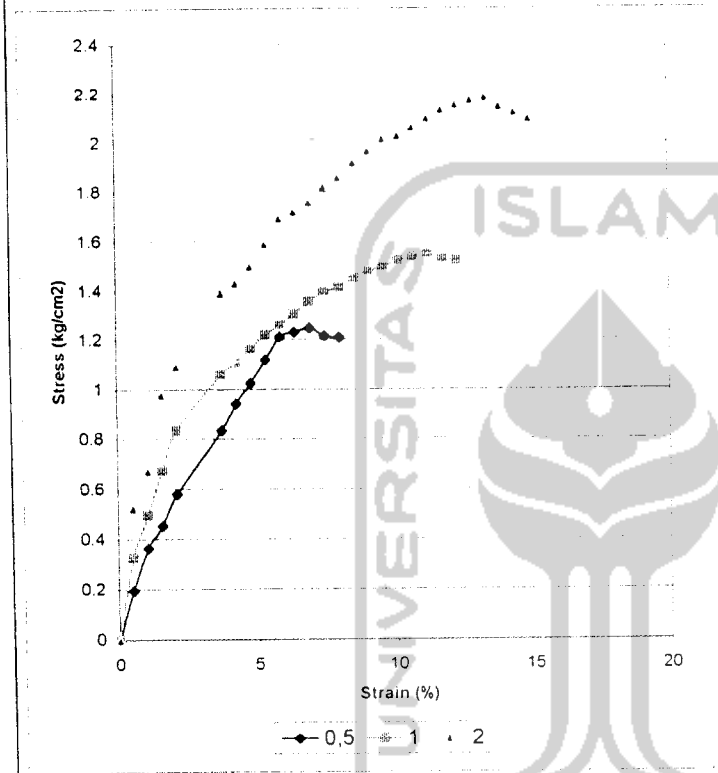
TRIAXIAL COMPRESION TEST RESULT
UNCONSOLIDATED UNDRAINED (TXUU)

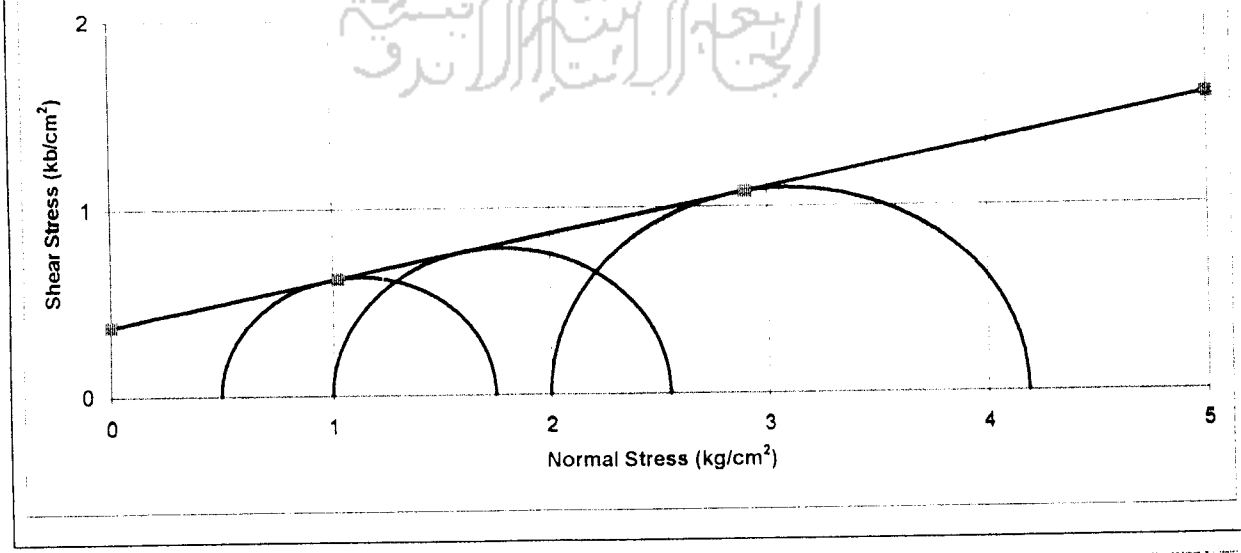
Project : Tugas Akhir
Location : Salaman, Magelang, Jawa Tengah
Description of soil : Clay

Sampel : Clay + 0.5% Ijuk 3cm
Date : 14 Mei 2004
Tested by : Ujang + Mariza



Piece No :	1	2	3
H cm	7.5	7.5	7.5
D cm	4	4	4
A cm²	12.57	12.57	12.57
V cm³	94.25	94.25	94.25
Wt gram	157.00	160.00	160.00
Water Content			
Wt Container (cup), gr		22.45	22.20
Wt of Cup + Wet soil, gr		50.82	64.00
Wt of Cup + Dry soil, gr		41.65	50.82
Water Content %		47.76	46.05
Averege water content %		46.91	
γd gram/cm³	1.665822	1.697653	1.697653
γd gram/cm³	1.133937	1.155604	1.155604

σ_3	0.5	1	2
$\Delta\sigma$ = P/A	1.246431	1.550739	2.184879
$\sigma_1 = \Delta\sigma + \sigma_3$	1.746431	2.550739	4.184879
$(\sigma_1+\sigma_3)/2$	1.123216	1.775369	3.09244
$(\sigma_1-\sigma_3)/2$	0.623216	0.775369	1.09244
Angle of shearing resistence (o)			13.77871
Apperen cohesion (kg/cm²)			0.364005



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TRIAXIAL COMPRESION TEST LOADING DATA

Project : Tugas Akhir
Location : Salaman, Magelang, Jawa Tengah
Description of soi : Clay

Sampel : Clay + 0.7% Ijuk 3cm
Date : 18 Mei 2004
Tested by : Ujang + Mariza

Type of test apparatus		Dimension of test piece	Hight	H cm	7.50
No. Of cell			Diameter	D cm	4.00
No. of Proving ring			Cross area	A cm²	12.5664
Coeff. proving ring K =	0.165		Volume	V cm³	94.2478
k = K / A	0.013130		Wight	W gram	147
Cell pessure	0.50	Rate of compression : 0.5	Wet density	gr/cm³	1.5597

Time	Strain			Reading of proving ring		Pore pressure	
	Axial deformation	Strain				u	
		%			kg/cm²	kg/cm²	kg/cm²
0	0	0	1	0	0		
	40	0.533	0.995	22	0.287325602		
	80	1.067	0.989	34	0.441667699		
	120	1.600	0.984	40	0.516807931		
	160	2.133	0.979	48	0.616808165		
	200	2.667	0.973	54	0.690127664		
	240	3.200	0.968	60	0.762606825		
	280	3.733	0.963	65	0.821605563		
	320	4.267	0.957	71	0.892474076		
	360	4.800	0.952	78	0.975002280		
	400	5.333	0.947	83	1.031690088		
	440	5.867	0.941	86	1.062957668		
	480	6.400	0.936	88	1.081515134		
	520	6.933	0.931	91	1.112012404		
	560	7.467	0.925	94	1.142089505		
	600	8.000	0.920	97	1.171746438		
	640	8.533	0.915	100	1.200983201		
	680	9.067	0.909	105	1.253679402		
	720	9.600	0.904	108	1.281935771		
	760	10.133	0.899	108	1.274372728		
	800	10.667	0.893	106	1.243350246		
	840	11.200	0.888	106	1.235927260		
	880	11.733	0.883	104	1.205324947		
	920	12.267	0.877	104	1.198042017		
	960	12.800	0.872				
	1000	13.333	0.867				
	1040	13.867	0.861				
	1080	14.400	0.856				
	1120	14.933	0.851				
	1160	15.467	0.845				

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TRIAXIAL COMPRESION TEST LOADING DATA

Project : Tugas Akhir
Location : Salaman, Magelang, Jawa Tengah
Description of soi : Clay

Sampel : Clay + 0.7% Ijuk 3cm
Date : 18 Mei 2004
Tested by : Ujang + Mariza

Type of test apparatus		Dimension of test piece	Hight	H cm	7.50
No. Of cell			Diameter	D cm	4.00
No. of Proving ring			Cross area	A cm²	12 5664
Coeff. proving ring K =	0.165		Volume	V cm³	94.2478
k = K / A	0.0131303		Wight	W gram	151
Cell pessure	1.00	Rate of compression : 0.5%	Wet densit	gr/cm³	1.6022

Time	Strain			Reading of proving ring		Pore pressure	
	Axial deformation	Strain				u	
		%			kg/cm²	kg/cm²	kg/cm²
0	0	0	1	0	0		
	40	0.533	0.995	35	0.45710891		
	80	1.067	0.989	48	0.62353087		
	120	1.600	0.984	60	0.77521190		
	160	2.133	0.979	75	0.96376276		
	200	2.667	0.973	97	1.23967377		
	240	3.200	0.968	100	1.27101138		
	280	3.733	0.963	108	1.36512924		
	320	4.267	0.957	114	1.43298654		
	360	4.800	0.952	118	1.47500345		
	400	5.333	0.947	118	1.46674012		
	440	5.867	0.941	118	1.45847680		
	480	6.400	0.936	118	1.45021348		
	520	6.933	0.931	118	1.44195015		
	560	7.467	0.925	123	1.49443627		
	600	8.000	0.920	123	1.48582280		
	640	8.533	0.915	122	1.46519950		
	680	9.067	0.909	121	1.44471626		
	720	9.600	0.904				
	760	10.133	0.899				
	800	10.667	0.893				
	840	11.200	0.888				
	880	11.733	0.883				
	920	12.267	0.877				
	960	12.800	0.872				
	1000	13.333	0.867				
	1040	13.867	0.861				
	1080	14.400	0.856				
	1120	14.933	0.851				
	1160	15.467	0.845				

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TRIAXIAL COMPRESION TEST LOADING DATA

Project : Tugas Akhir
Location : Salaman, Magelang, Jawa Tengah
Description of soi : Clay

Sampel : Clay + 0.7% Ijuk 3cm
Date : 18 Mei 2004
Tested by : Ujang + Mariza

Type of test apparatus		Dimension of test piece	Hight	H cm	7.50
No. Of cell			Diameter	D cm	4.00
No. of Proving ring			Cross area	A cm²	12.5664
Coeff. proving ring K =	0.165		Volume	V cm³	94.2478
k = K / A	0.01313		Wight	W gram	155
Cell pessure	2.00	Rate of compression : 0.5 %	Wet density	gr/cm³	1.6446

Time	Strain			Reading of proving ring		Pore pressure	
	Axial deformation	Strain				u	
		%			kg/cm²	kg/cm²	kg/cm²
0	0	0	1	0	0		
	40	0.533	0.995	42	0.548530694		
	80	1.067	0.989	60	0.779413587		
	120	1.600	0.984	71	0.917334078		
	160	2.133	0.979	85	1.092264459		
	200	2.667	0.973	98	1.252453909		
	240	3.200	0.968	108	1.372692286		
	280	3.733	0.963	116	1.466249927		
	320	4.267	0.957	125	1.571257176		
	360	4.800	0.952	130	1.625003800		
	400	5.333	0.947	139	1.727770147		
	440	5.867	0.941	145	1.792196068		
	480	6.400	0.936	150	1.843491706		
	520	6.933	0.931	154	1.881867146		
	560	7.467	0.925	156	1.895382583		
	600	8.000	0.920	155	1.872378328		
	640	8.533	0.915	154	1.849514129		
	680	9.067	0.909	155	1.850669594		
	720	9.600	0.904				
	760	10.133	0.899				
	800	10.667	0.893				
	840	11.200	0.888				
	880	11.733	0.883				
	920	12.267	0.877				
	960	12.800	0.872				
	1000	13.333	0.867				
	1040	13.867	0.861				
	1080	14.400	0.856				
	1120	14.933	0.851				
	1160	15.467	0.845				

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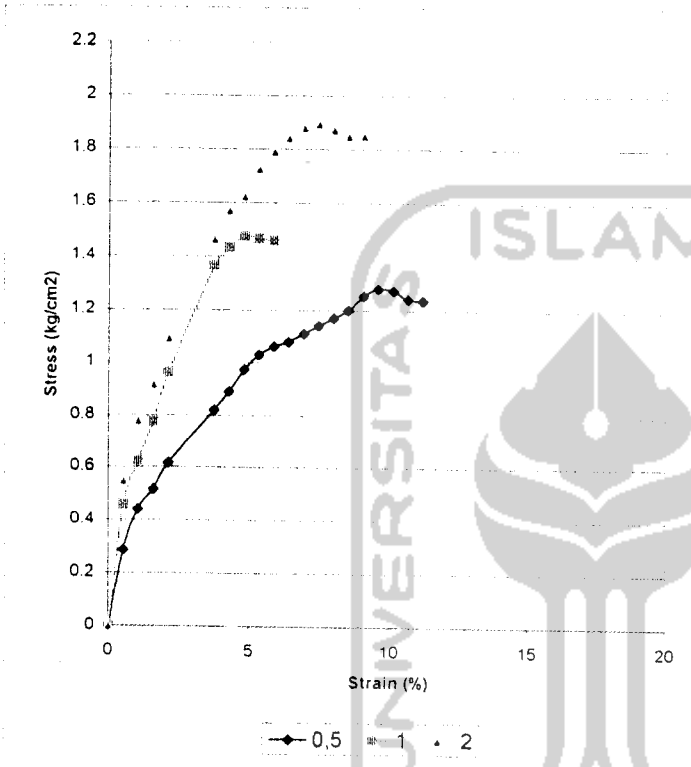
TRIAXIAL COMPRESION TEST RESULT
UNCONSOLIDATED UNDRAINED (TXUU)

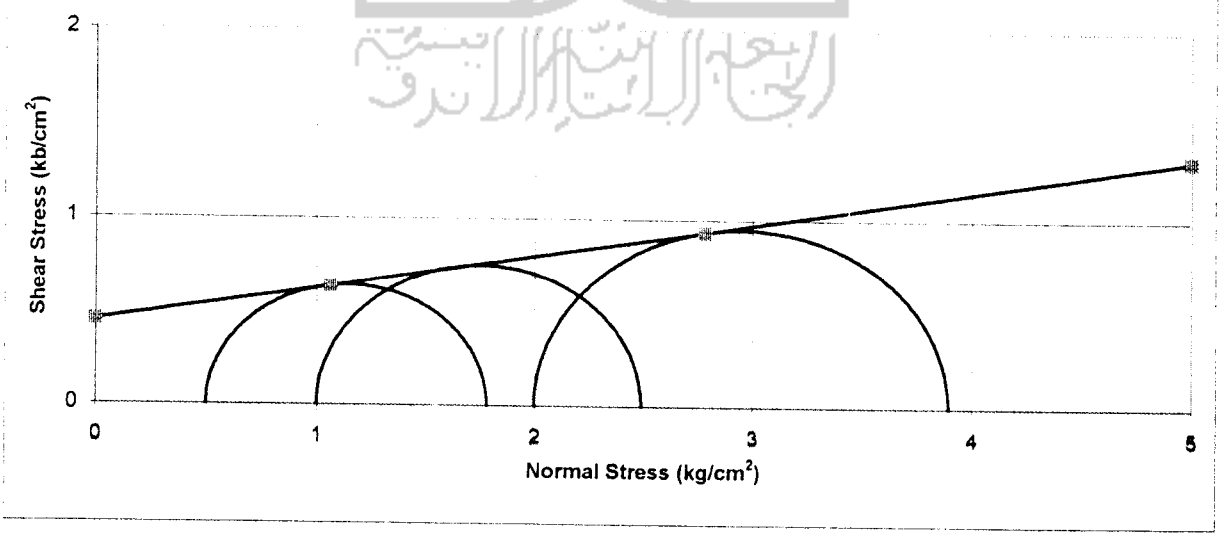
Project : Tugas Akhir
Location : Salaman, Magelang, Jawa Tengah
Description of soil : Clay

Sampel : Clay + 0.7% Ijuk 3cm
Date : 18 Mei 2004
Tested by : Ujang + Mariza



Piece No :	1	2	3
H cm	7.5	7.5	7.5
D cm	4	4	4
A cm²	12.57	12.57	12.57
V cm³	94.25	94.25	94.25
Wt gram	147.00	151.00	155.00
Water Content			
Wt Container (cup), gr		21.60	22.00
Wt of Cup + Wet soil, gr		58.00	54.30
Wt of Cup + Dry soil, gr		46.15	44.00
Water Content %		48.27	46.82
Averege water content %		47.54	
γd gram/cm³	1.559718	1.60216	1.644601
γd gram/cm³	1.057124	1.08589	1.114655

σ_3	0.5	1	2
$\Delta\sigma$ = P/A	1.281936	1.494436	1.895383
$\sigma_1 = \Delta\sigma + \sigma_3$	1.781936	2.494436	3.895383
$(\sigma_1+\sigma_3)/2$	1.140968	1.747218	2.947691
$(\sigma_1-\sigma_3)/2$	0.640968	0.747218	0.947691
Angle of shearing resistence (o)			9.798732
Apperen cohesion (kg/cm²)			0.452628



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TRIAXIAL COMPRESION TEST LOADING DATA

Project : Tugas Akhir
Location : Salaman, Magelang, Jawa Tengah
Description of soi : Clay

Sampel : Clay + 0.7% Ijuk 3cn
Date : 18 Mei 2004
Tested by : Ujang + Mariza

Type of test apparatus		Dimension of test piece	Hight	H cm	7.50
No. Of cell			Diameter	D cm	4.00
No. of Proving ring			Cross area	A cm²	12.5664
Coeff. proving ring K =	0.165		Volume	V cm³	94.2478
k = K / A	0.013130		Wight	W gram	146
Cell pessure	0.50	Rate of compression : 0.5 %	Wet density	gr/cm³	1.5491

Time	Strain			Reading of proving ring		Pore pressure	
	Axial deformation	Strain				u	
		%			kg/cm²	kg/cm²	kg/cm²
0	0	0	1	0	0		
	40	0.533	0.995	22	0.28732560		
	80	1.067	0.989	32	0.41568725		
	120	1.600	0.984	41	0.52972813		
	160	2.133	0.979	45	0.57825765		
	200	2.667	0.973	51	0.65178724		
	240	3.200	0.968	56	0.71176637		
	280	3.733	0.963	61	0.77104522		
	320	4.267	0.957	65	0.81705373		
	360	4.800	0.952	68	0.85000199		
	400	5.333	0.947	71	0.88253007		
	440	5.867	0.941	75	0.92699797		
	480	6.400	0.936	80	0.98319558		
	520	6.933	0.931	82	1.00203316		
	560	7.467	0.925	87	1.05704029		
	600	8.000	0.920	91	1.09926728		
	640	8.533	0.915	96	1.15294387		
	680	9.067	0.909	98	1.17010078		
	720	9.600	0.904	100	1.18697757		
	760	10.133	0.899	105	1.23897349		
	800	10.667	0.893	107	1.25507997		
	840	11.200	0.888	110	1.28256602		
	880	11.733	0.883	111	1.28645259		
	920	12.267	0.877	111	1.27867946		
	960	12.800	0.872	110	1.25945673		
	1000	13.333	0.867				
	1040	13.867	0.861				
	1080	14.400	0.856				
	1120	14.933	0.851				
	1160	15.467	0.845				

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TRIAXIAL COMPRESION TEST LOADING DATA

Project : Tugas Akhir
Location : Salaman, Magelang, Jawa Tengah
Description of soi : Clay

Sampel : Clay + 0.7% Ijuk 3cm
Date : 18 Mei 2004
Tested by : Ujang + Mariza

Type of test apparatus		Dimension of test piece	Hight	H cm	7.50
No. Of cell			Diameter	D cm	4.00
No. of Proving ring			Cross area	A cm²	12.5664
Coeff. proving ring K =	0.165		Volume	V cm³	94.2478
k = K / A	0.0131303		Wight	W gram	151
Cell pessure	1.00	Rate of compression : 0.5%	Wet densit	gr/cm³	1.6022

Time	Strain			Reading of proving ring		Pore pressure	
	Axial deformation	Strain				u	
		%			kg/cm²	kg/cm²	kg/cm²
0	0	0	1	0	0		
	40	0.533	0.995	31	0.40486789		
	80	1.067	0.989	45	0.58456019		
	120	1.600	0.984	52	0.67185031		
	160	2.133	0.979	58	0.74530987		
	200	2.667	0.973	65	0.83070923		
	240	3.200	0.968	68	0.86428774		
	280	3.733	0.963	72	0.91008616		
	320	4.267	0.957	76	0.95532436		
	360	4.800	0.952	32	1.02500240		
	400	5.333	0.947	87	1.08141009		
	440	5.867	0.941	91	1.12475753		
	480	6.400	0.936	96	1.17983469		
	520	6.933	0.931	100	1.22199165		
	560	7.467	0.925	104	1.26358839		
	600	8.000	0.920	110	1.32878462		
	640	8.533	0.915	115	1.38113068		
	680	9.067	0.909	120	1.43277646		
	720	9.600	0.904	124	1.47185218		
	760	10.133	0.899	127	1.49856793		
	800	10.667	0.893	130	1.52486351		
	840	11.200	0.888	131.2	1.52975148		
	880	11.733	0.883	131	1.51824585		
	920	12.267	0.877	130	1.49755252		
	960	12.800	0.872				
	1000	13.333	0.867				
	1040	13.867	0.861				
	1080	14.400	0.856				
	1120	14.933	0.851				
	1160	15.467	0.845				

LABORATORIUM MEKANIKA TANAH
FAKULTAS TEKNIK SIPIL DAN PERENCANAAN
UNIVERSITAS ISLAM INDONESIA
Jl. Kaliurang KM. 14,4 Telp. (0274) 895042, 895707 fax 895330 Yogyakarta 55584.

TRIAXIAL COMPRESION TEST LOADING DATA

Project : Tugas Akhir
Location : Salaman, Magelang, Jawa Tengah
Description of soi : Clay

Sampel : Clay + 0.7% Ijuk 3cm
Date : 18 Mei 2004
Tested by : Ujang + Mariza

Type of test apparatus		Dimension of test piece	Hight	H cm	7.50
No. Of cell			Diameter	D cm	4.00
No. of Proving ring			Cross area	A cm²	12.5664
Coeff. proving ring K =	0.165		Volume	V cm³	94.2478
k = K / A	0.01313		Wight	W gram	156
Cell pessure	2.00	Rate of compression : 0.5	Wet density	gr/cm³	1.6552

Time	Strain			Reading of proving ring		Pore pressure	
	Axial deformation	Strain				u	
		%			kg/cm²	kg/cm²	kg/cm²
0	0	0	1	0	0		
	40	0.533	0.995	42	0.548530694		
	80	1.067	0.989	58	0.753433134		
	120	1.600	0.984	75	0.969014871		
	160	2.133	0.979	86	1.105114629		
	200	2.667	0.973	92	1.175773058		
	240	3.200	0.968	105	1.334561944		
	280	3.733	0.963	110	1.390409414		
	320	4.267	0.957	118	1.483266774		
	360	4.800	0.952	125	1.562503654		
	400	5.333	0.947	130	1.615900137		
	440	5.867	0.941	136	1.680956312		
	480	6.400	0.936	145	1.782041982		
	520	6.933	0.931	150	1.832987480		
	560	7.467	0.925	153	1.858932918		
	600	8.000	0.920	154	1.860298468		
	640	8.533	0.915	154	1.849514129		
	680	9.067	0.909	152	1.814850182		
	720	9.600	0.904				
	760	10.133	0.899				
	800	10.667	0.893				
	840	11.200	0.888				
	880	11.733	0.883				
	920	12.267	0.877				
	960	12.800	0.872				
	1000	13.333	0.867				
	1040	13.867	0.861				
	1080	14.400	0.856				
	1120	14.933	0.851				
	1160	15.467	0.845				

LABORATORIUM MEKANIKA TANAH
FAKULTAS TEKNIK SIPIL DAN PERENCANAAN
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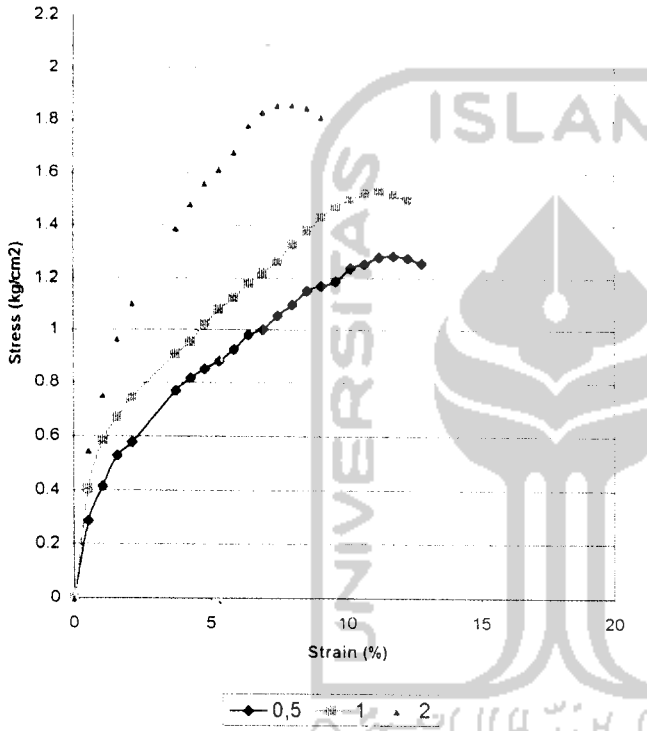
TRIAXIAL COMPRESION TEST RESULT
UNCONSOLIDATED UNDRAINED (TXUU)

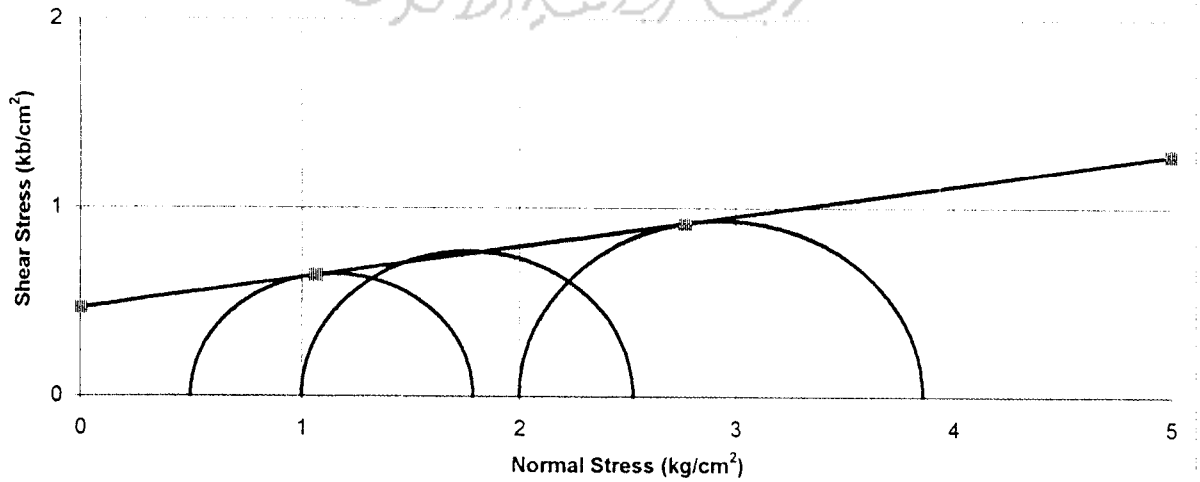
Project : Tugas Akhir
Location : Salaman, Magelang, Jawa Tengah
Description of soil : Clay

Sampel : Clay + 0.7% Ijuk 3cm
Date : 18 Mei 2004
Tested by : Ujang + Mariza



Piece No :	1	2	3
H cm	7.5	7.5	7.5
D cm	4	4	4
A cm²	12.57	12.57	12.57
V cm³	94.25	94.25	94.25
Wt gram	146.00	151.00	156.00
Water Content			
Wt Container (cup), gr		21.60	22.00
Wt of Cup + Wet soil, gr		58.00	54.30
Wt of Cup + Dry soil, gr		46.15	44.00
Water Content %		48.27	46.82
Averege water content %		47.54	
γd gram/cm³	1.549108	1.60216	1.655211
γd gram/cm³	1.049933	1.08589	1.121846

σ_3	0.5	1	2
$\Delta\sigma$ = P/A	1.286453	1.529751	1.860298
$\sigma_1 = \Delta\sigma + \sigma_3$	1.786453	2.529751	3.860298
$(\sigma_1+\sigma_3)/2$	1.143226	1.764876	2.930149
$(\sigma_1-\sigma_3)/2$	0.643226	0.764876	0.930149
Angle of shearing resistence (o)			9.253471
Apperen cohesion (kg/cm²)			0.464946



LABORATORIUM MEKANIKA TANAH
FAKULTAS TEKNIK SIPIL DAN PERENCANAAN
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TRIAXIAL COMPRESION TEST LOADING DATA

Project : Tugas Akhir
Location : Salaman, Magelang, Jawa Tengah
Description of s : Clay
Sampel : Clay + 0.3% Ijuk 5cm
Date : 22 Mei 2004
Tested by : Ujang + Mariza

Type of test apparatus		Dimension of test piece	Hight	H cm	7.50
No. Of cell			Diameter	D cm	4.00
No. of Proving ring			Cross area	A cm²	12.5664
Coeff. proving ring K =	0.165		Volume	V cm³	94.2478
k = K / A	0.013130		Wight	W gram	153
Cell pessure	0.50	Rate of compression : 0.5 %	Wet density	gr/cm³	1.6234

Time	Strain			Reading of proving ring		Pore pressure	
	Axial deformation	Strain				u	
		%			kg/cm²	kg/cm²	kg/cm²
0	0	0	1	0	0		
	40	0.533	0.995	18	0.235084583		
	80	1.067	0.989	26.5	0.344241001		
	120	1.600	0.984	32	0.413446345		
	160	2.133	0.979	38	0.488306464		
	200	2.667	0.973	41	0.523985819		
	240	3.200	0.968	50	0.635505688		
	280	3.733	0.963	52	0.65728445		
	320	4.267	0.957	57	0.716493272		
	360	4.800	0.952	61	0.762501783		
	400	5.333	0.947	65	0.807950069		
	440	5.867	0.941	68	0.840478156		
	480	6.400	0.936	70	0.860296129		
	520	6.933	0.931	72	0.87983399		
	560	7.467	0.925	73	0.88694185		
	600	8.000	0.920	76	0.918069374		
	640	8.533	0.915	78	0.936766896		
	680	9.067	0.909	79	0.943244503		
	720	9.600	0.904	81	0.961451828		
	760	10.133	0.899	82	0.967579293		
	800	10.667	0.893	84	0.985296422		
	840	11.200	0.888	85	0.991073746		
	880	11.733	0.883	83	0.961942025		
	920	12.267	0.877	81	0.933090417		
	960	12.800	0.872				
	1000	13.333	0.867				
	1040	13.867	0.861				
	1080	14.400	0.856				
	1120	14.933	0.851				
	1160	15.467	0.845				

LABORATORIUM MEKANIKA TANAH
FAKULTAS TEKNIK SIPIL DAN PERENCANAA
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TRIAXIAL COMPRESION TEST LOADING DATA

Project : Tugas Akhir
Location : Salaman, Magelang, Jawa Tengah
Description of soil : Clay

Sampel : Clay + 0.3% Ijuk 5cm
Date : 22 Mei 2004
Tested by : Ujang + Mariza

Type of test apparatus		Dimension of test piece	Hight	H cm	7.50
No. Of cell			Diameter	D cm	4.00
No. of Proving ring			Cross area	A cm²	12.5664
Coeff. proving ring K =	0.165		Volume	V cm³	94.2478
k = K / A	0.0131303		Wight	W gram	154
Cell pessure	1.00	Rate of compression : 0.5%	Wet densit	gr/cm³	1.6340

Time	Strain			Reading of proving ring		Pore pressure	
	Axial deformation	Strain				u	
		%			kg/cm²	kg/cm²	kg/cm²
0	0	0	1	0	0		
	40	0.533	0.995	21	0.2742653		
	80	1.067	0.989	32	0.41568725		
	120	1.600	0.984	40	0.51680793		
	160	2.133	0.979	50	0.64250851		
	200	2.667	0.973	55	0.70290781		
	240	3.200	0.968	60	0.76260683		
	280	3.733	0.963	65	0.82160556		
	320	4.267	0.957	69	0.86733396		
	360	4.800	0.952	72	0.9000021		
	400	5.333	0.947	75	0.93225008		
	440	5.867	0.941	78	0.96407788		
	480	6.400	0.936	81	0.99548552		
	520	6.933	0.931	84	1.02647299		
	560	7.467	0.925	86	1.0448904		
	600	8.000	0.920	88	1.0630277		
	640	8.533	0.915	90	1.08088488		
	680	9.067	0.909	93	1.11040176		
	720	9.600	0.904	95	1.12762869		
	760	10.133	0.899	97	1.14457551		
	800	10.667	0.893	98	1.14951249		
	840	11.200	0.888	100	1.16596911		
	880	11.733	0.883	101	1.17055596		
	920	12.267	0.877	102	1.17500275		
	960	12.800	0.872	103	1.17930948		
	1000	13.333	0.867	104	1.18347616		
	1040	13.867	0.861	105	1.18750278		
	1080	14.400	0.856	103	1.15767077		
	1120	14.933	0.851	102	1.13928838		
	1160	15.467	0.845	102	1.1321455		

LABORATORIUM MEKANIKA TANAH
FAKULTAS TEKNIK SIPIL DAN PERENCANAAN
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TRIAXIAL COMPRESION TEST LOADING DATA

Project : Tugas Akhir
Location : Salaman, Magelang, Jawa Tengah
Description of soil : Clay

Sampel : Clay + 0.3% Ijuk 5cm
Date : 22 Mei 2004
Tested by : Ujang + Mariza

Type of test apparatus		Dimension of test piece	Hight	H cm	7.50
No. Of cell			Diameter	D cm	4.00
No. of Proving ring			Cross area	A cm²	12.5664
Coeff. proving ring K =	0.165		Volume	V cm³	94.2478
k = K / A	0.01313		Wight	W gram	158
Cell pessure	2.00	Rate of compression : 0.5 %	Wet density	gr/cm³	1.6764

Time	Strain			Reading of proving ring		Pore pressure	
	Axial deformation	Strain				u	
		%			kg/cm²	kg/cm²	kg/cm²
0	0	0	1	0	0		
	40	0.533	0.995	34	0.444048657		
	80	1.067	0.989	48	0.62353087		
	120	1.600	0.984	58	0.7493715		
	160	2.133	0.979	64	0.822410887		
	200	2.667	0.973	70	0.894609935		
	240	3.200	0.968	75	0.953258532		
	280	3.733	0.963	80	1.011206846		
	320	4.267	0.957	84	1.055884822		
	360	4.800	0.952	88	1.100002572		
	400	5.333	0.947	92	1.143560097		
	440	5.867	0.941	98	1.211277342		
	480	6.400	0.936	102	1.25357436		
	520	6.933	0.931	108	1.319750985		
	560	7.467	0.925	112	1.360787496		
	600	8.000	0.920	115	1.389183921		
	640	8.533	0.915	117	1.405150345		
	680	9.067	0.909	119	1.420836656		
	720	9.600	0.904	122	1.44811263		
	760	10.133	0.899	125	1.474968435		
	800	10.667	0.893	128	1.501404071		
	840	11.200	0.888	131	1.527419538		
	880	11.733	0.883	133	1.541425173		
	920	12.267	0.877	135	1.555150695		
	960	12.800	0.872	136	1.557146498		
	1000	13.333	0.867	139	1.581761402		
	1040	13.867	0.861	140	1.583337036		
	1080	14.400	0.856	138	1.551054047		
	1120	14.933	0.851	136	1.519051171		
	1160	15.467	0.845	135	1.498427874		

LABORATORIUM MEKANIKA TANAH
FAKULTAS TEKNIK SIPIL DAN PERENCANAAN
UNIVERSITAS ISLAM INDONESIA
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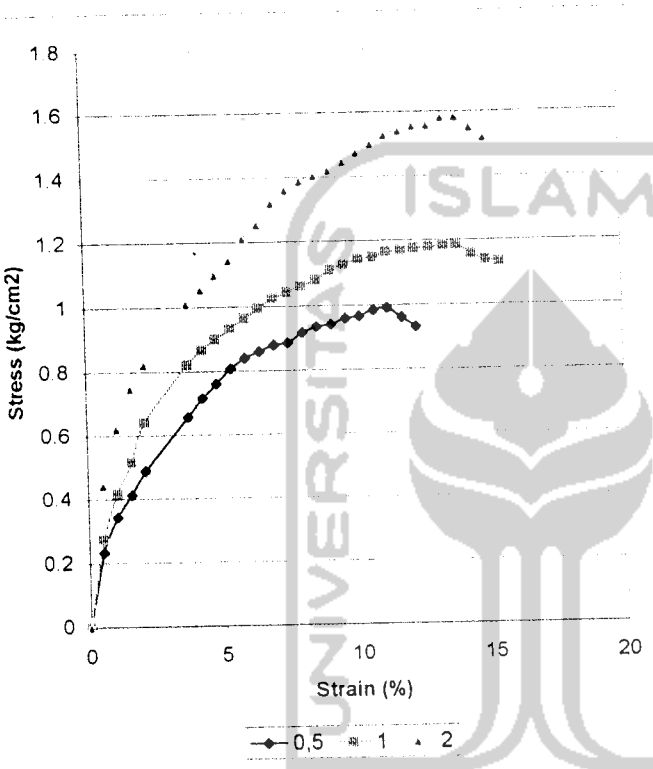
TRIAXIAL COMPRESION TEST RESULT
UNCONSOLIDATED UNDRAINED (TXUU)

Project : Tugas Akhir
Location : Salaman, Magelang, Jawa Tengah
Description of soil : Clay

Sampel : Clay + 0.3% Ijuk 5cm
Date : 22 Mei 2004
Tested by : Ujang + Mariza

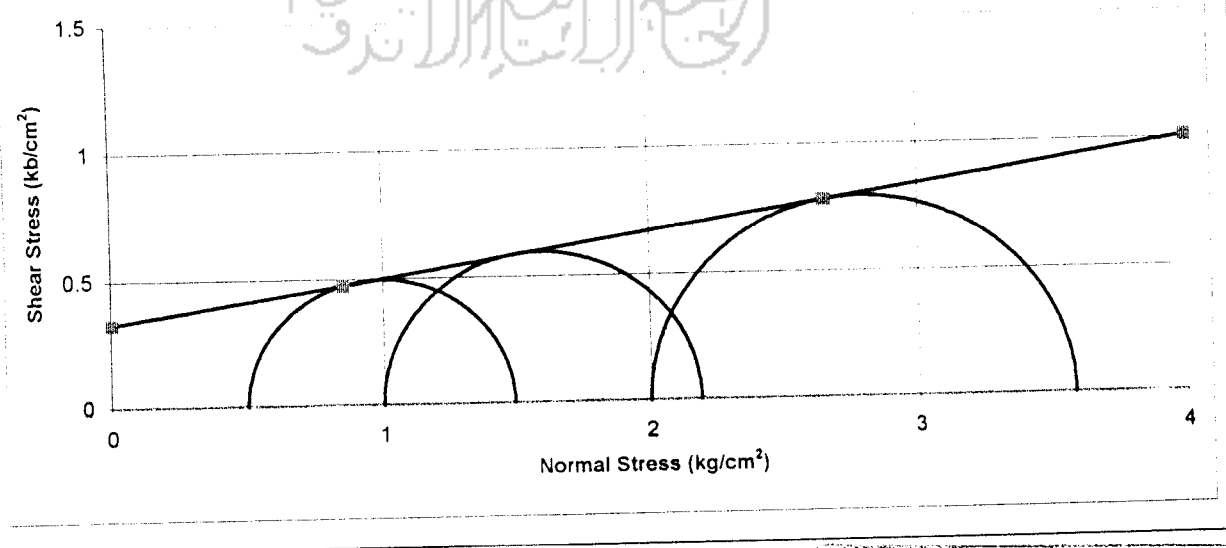


Piece No :	1	2	3
H cm	7.5	7.5	7.5
D cm	4	4	4
A cm²	12.57	12.57	12.57
V cm³	94.25	94.25	94.25
Wt gram	153.00	154.00	158.00

Water Content		
Wt Container (cup), gr	21.93	22.05
Wt of Cup + Wet soil, gr	54.61	55.27
Wt of Cup + Dry soil, gr	43.80	44.50
Water Content %	49.43	47.97
Averege water content %	48.70	

γd gram/cm³	1.62338	1.633991	1.676432
γd gram/cm³	1.091709	1.098844	1.127386

σ_3	0.5	1	2
$\Delta\sigma$ = P/A	0.991074	1.187503	1.583337
$\sigma_1 = \Delta\sigma + \sigma_3$	1.491074	2.187503	3.583337
$(\sigma_1 + \sigma_3)/2$	0.995537	1.593751	2.791669
$(\sigma_1 - \sigma_3)/2$	0.495537	0.593751	0.791669
Angle of shearing resistence (o)			9.621956
Apperen cohesion (kg/cm²)			0.329671



LABORATORIUM MEKANIKA TANAH
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TRIAXIAL COMPRESION TEST LOADING DATA

Project : Tugas Akhir
Location : Salaman, Magelang, Jawa Tengah
Description of soi : Clay

Sampel : Clay + 0.3% Ijuk 5cm
Date : 22 Mei 2004
Tested by : Ujang + Mariza

Type of test apparatus		Dimension of test piece	Hight	H cm	7.50
No. Of cell			Diameter	D cm	4.00
No. of Proving ring			Cross area	A cm²	12.5664
Coeff. proving ring K =	0.165		Volume	V cm³	94.2478
k = K / A	0.013130		Wight	W gram	153
Cell pessure	0.50	Rate of compression : 0.5 %	Wet density	gr/cm³	1.6234

Time	Strain			Reading of proving ring		Pore pressure	
	Axial deformation	Strain				u	
		%			kg/cm²	kg/cm²	kg/cm²
0	0	0	1	0	0		
	40	0.533	0.995	18	0.235084583		
	80	1.067	0.989	26.5	0.344241001		
	120	1.600	0.984	32	0.413446345		
	160	2.133	0.979	38	0.488306464		
	200	2.667	0.973	41	0.523985819		
	240	3.200	0.968	50	0.635505688		
	280	3.733	0.963	52	0.65728445		
	320	4.267	0.957	57	0.716493272		
	360	4.800	0.952	61	0.762501783		
	400	5.333	0.947	65	0.807950069		
	440	5.867	0.941	68	0.840478156		
	480	6.400	0.936	70	0.860296129		
	520	6.933	0.931	72	0.87983399		
	560	7.467	0.925	74	0.899091738		
	600	8.000	0.920	78	0.942229094		
	640	8.533	0.915	81	0.972796392		
	680	9.067	0.909	83	0.991003718		
	720	9.600	0.904	85	1.008930931		
	760	10.133	0.899	87	1.026578031		
	800	10.667	0.893	90	1.055674738		
	840	11.200	0.888	88	1.02605282		
	880	11.733	0.883	86	0.996711014		
	920	12.267	0.877	84	0.967649322		
	960	12.800	0.872	83	0.950317348		
	1000	13.333	0.867				
	1040	13.867	0.861				
	1080	14.400	0.856				
	1120	14.933	0.851				
	1160	15.467	0.845				

LABORATORIUM MEKANIKA TANAH
FAKULTAS TEKNIK SIPIL DAN PERENCANAAN
UNIVERSITAS ISLAM INDONESIA
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TRIAXIAL COMPRESION TEST LOADING DATA

Project : Tugas Akhir
Location : Salaman, Magelang, Jawa Tengah
Description of soi : Clay

Sampel : Clay + 0.3% Ijuk 5cm
Date : 22 Mei 2004
Tested by : Ujang + Mariza

Type of test apparatus		Dimension of test piece	Hight	H cm	7 50
No. Of cell			Diameter	D cm	4.00
No. of Proving ring			Cross area	A cm²	12.5664
Coeff. proving ring K =	0.165		Volume	V cm³	94.2478
k = K / A	0.0131303		Wight	W gram	154
Cell pessure	1.00	Rate of compression : 0.5%	Wet densit	gr/cm³	1.6340

Time	Strain			Reading of proving ring		Pore pressure	
	Axial deformation	Strain				u	
		%			kg/cm²	kg/cm²	kg/cm²
0	0	0	1	0	0		
	40	0.533	0.995	21	0.2742653		
	80	1.067	0.989	32	0.41568725		
	120	1.600	0.984	40	0.51680793		
	160	2.133	0.979	50	0.64250851		
	200	2.667	0.973	55	0.70290781		
	240	3.200	0.968	60	0.76260683		
	280	3.733	0.963	64	0.80896548		
	320	4.267	0.957	68	0.8547639		
	360	4.800	0.952	70	0.87500205		
	400	5.333	0.947	72	0.89496008		
	440	5.867	0.941	75	0.92699797		
	480	6.400	0.936	78	0.95861569		
	520	6.933	0.931	81	0.98981324		
	560	7.467	0.925	84	1.02059062		
	600	8.000	0.920	87	1.05094784		
	640	8.533	0.915	90	1.08088488		
	680	9.067	0.909	92	1.09846195		
	720	9.600	0.904	95	1.12762869		
	760	10.133	0.899	98	1.15637525		
	800	10.667	0.893	101	1.18470165		
	840	11.200	0.888	104	1.21260788		
	880	11.733	0.883	106	1.22850427		
	920	12.267	0.877	108	1.24412056		
	960	12.800	0.872	111	1.27090633		
	1000	13.333	0.867	113	1.28589236		
	1040	13.867	0.861	115.5	1.30625305		
	1080	14.400	0.856	113	1.270066		
	1120	14.933	0.851	112	1.25098332		
	1160	15.467	0.845	111.2	1.23426059		

LABORATORIUM MEKANIKA TANAH
FAKULTAS TEKNIK SIPIL DAN PERENCANAAN
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TRIAXIAL COMPRESION TEST LOADING DATA

Project : Tugas Akhir
Location : Salaman, Magelang, Jawa Tengah
Description of soi : Clay

Sampel : Clay + 0.3% Ijuk 5cm
Date : 22 Mei 2004
Tested by : Ujang + Mariza

Type of test apparatus		Dimension of test piece	Hight	H cm	7.50
No. Of cell			Diameter	D cm	4.00
No. of Proving ring			Cross area	A cm²	12.5664
Coeff. proving ring K =	0.165		Volume	V cm³	94.2478
k = K / A	0.01313		Wight	W gram	158
Cell pessure	2.00	Rate of compression : 0.5	Wet density	gr/cm³	1.6764

Time	Strain			Reading of proving ring		Pore pressure	
	Axial deformation	Strain				u	
		%			kg/cm²	kg/cm²	kg/cm²
0	0	0	1	0	0		
	40	0.533	0.995	34	0.444048657		
	80	1.067	0.989	48	0.623530870		
	120	1.600	0.984	60	0.775211897		
	160	2.133	0.979	69	0.886661737		
	200	2.667	0.973	78	0.996851071		
	240	3.200	0.968	82	1.042229328		
	280	3.733	0.963	90	1.137607702		
	320	4.267	0.957	100	1.257005741		
	360	4.800	0.952	108	1.350003157		
	400	5.333	0.947	114	1.417020120		
	440	5.867	0.941	117	1.446116827		
	480	6.400	0.936	120	1.474793365		
	520	6.933	0.931	125	1.527489566		
	560	7.467	0.925	128	1.555185710		
	600	8.000	0.920	133	1.606621404		
	640	8.533	0.915	135	1.621327321		
	680	9.067	0.909	138	1.647692929		
	720	9.600	0.904	140	1.661768592		
	760	10.133	0.899	143	1.687363890		
	800	10.667	0.893	145	1.700809299		
	840	11.200	0.888	147	1.713974596		
	880	11.733	0.883	149	1.726859780		
	920	12.267	0.877	151	1.739464852		
	960	12.800	0.872	154	1.763239417		
	1000	13.333	0.867	156	1.775214235		
	1040	13.867	0.861	158	1.786908940		
	1080	14.400	0.856	154	1.730886400		
	1120	14.933	0.851	153	1.708932568		
	1160	15.467	0.845	150	1.664919860		

LABORATORIUM MEKANIKA TANAH
FAKULTAS TEKNIK SIPIL DAN PERENCANAAN
UNIVERSITAS ISLAM INDONESIA
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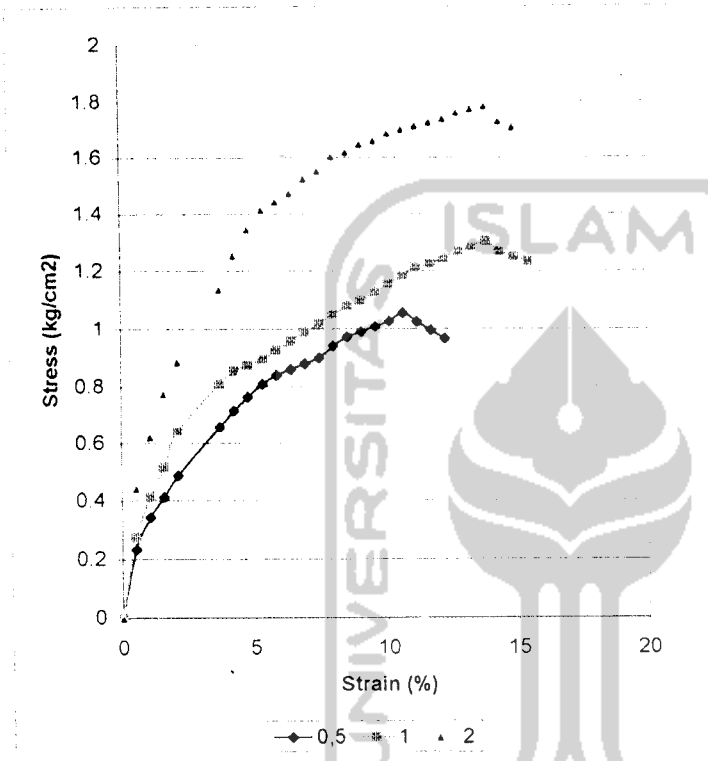
TRIAXIAL COMPRESION TEST RESULT
UNCONSOLIDATED UNDRAINED (TXUU)

Project : Tugas Akhir
Location : Salaman, Magelang, Jawa Tengah
Description of soil : Clay

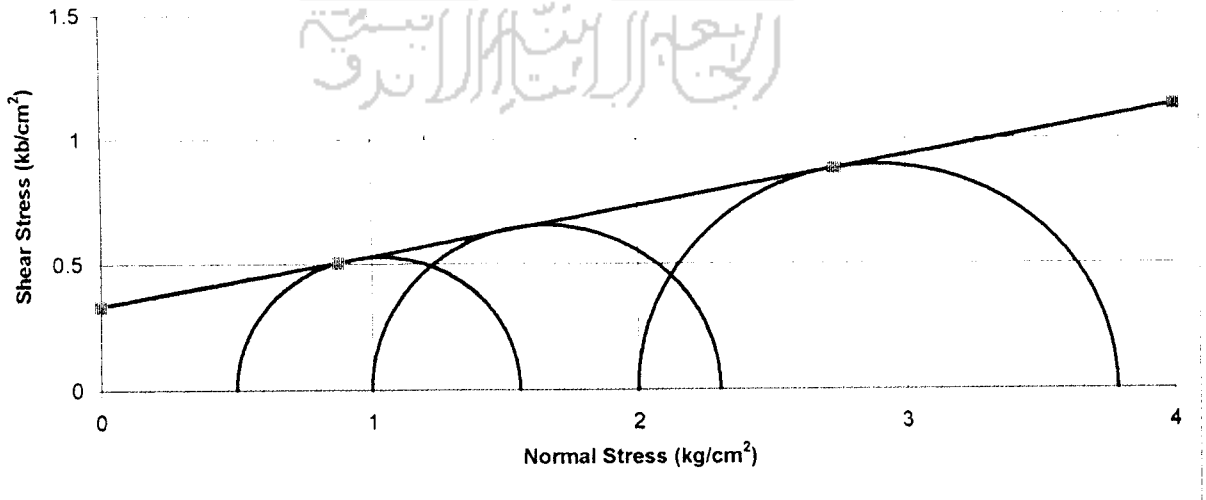
Sampel : Clay + 0.3% Ijuk 5cm
Date : 22 Mei 2004
Tested by : Ujang + Mariza



Piece No :	1	2	3
H cm	7.5	7.5	7.5
D cm	4	4	4
A cm²	12.57	12.57	12.57
V cm³	94.25	94.25	94.25
Wt gram	153.00	154.00	158.00
Water Content			
Wt Container (cup), gr		21.80	21.70
Wt of Cup + Wet soil, gr		43.40	41.00
Wt of Cup + Dry soil, gr		36.35	34.75
Water Content %		48.45	47.89
Averege water content %		48.17	

γd gram/cm³	1.62338	1.633991	1.676432
γd gram/cm³	1.095597	1.102758	1.131401

σ_3	0.5	1	2
$\Delta\sigma$ = P/A	1.055675	1.306253	1.786909
$\sigma 1 = \Delta\sigma + \sigma 3$	1.555675	2.306253	3.786909
$(\sigma 1 + \sigma 3)/2$	1.027837	1.653127	2.893454
$(\sigma 1 - \sigma 3)/2$	0.527837	0.653127	0.893454
Angle of shearing resistence (o)			11.37339
Apperen cohesion (kg/cm²)			0.329064



LABORATORIUM MEKANIKA TANAH
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TRIAXIAL COMPRESION TEST LOADING DATA

Project : Tugas Akhir
Location : Salaman, Magelang, Jawa Tengah
Description of soi : Clay

Sampel : Clay 0.5% Ijuk 5cm
Date : 26 Mei 2004
Tested by : Ujang + Mariza

Type of test apparatus		Dimension of test piece	Hight	H cm	7.50
No. Of cell			Diameter	D cm	4.00
No. of Proving ring			Cross area	A cm²	12.5664
Coeff. proving ring K =	0.165		Volume	V cm³	94.2478
k = K / A	0.013130		Wight	W gram	148
Cell pessure	0.50	Rate of compression : 0.5 %	Wet density	gr/cm³	1.5703

Time	Strain			Reading of proving ring		Pore pressure	
	Axial deformation	Strain				u	
		%			kg/cm²	kg/cm²	kg/cm²
0	0	0	1	0	0		
	40	0.533	0.995	18	0.235084583		
	80	1.067	0.989	25	0.324755661		
	120	1.600	0.984	30	0.387605948		
	160	2.133	0.979	35	0.449755954		
	200	2.667	0.973	40	0.511205677		
	240	3.200	0.968	43	0.546534891		
	280	3.733	0.963	49	0.619364193		
	320	4.267	0.957	52	0.653642985		
	360	4.800	0.952	55	0.687501608		
	400	5.333	0.947	58	0.720940061		
	440	5.867	0.941	60	0.741598373		
	480	6.400	0.936	64	0.786556461		
	520	6.933	0.931	68	0.830954324		
	560	7.467	0.925	71	0.862642073		
	600	8.000	0.920	75	0.905989514		
	640	8.533	0.915	80	0.960786560		
	680	9.067	0.909	84	1.002943522		
	720	9.600	0.904	87	1.032670482		
	760	10.133	0.899	91	1.073777021		
	800	10.667	0.893	94	1.102593615		
	840	11.200	0.888	93	1.084351275		
	880	11.733	0.883	92	1.066248992		
	920	12.267	0.877	90	1.036767130		
	960	12.800	0.872				
	1000	13.333	0.867				
	1040	13.867	0.861				
	1080	14.400	0.856				
	1120	14.933	0.851				
	1160	15.467	0.845				

LABORATORIUM MEKANIKA TANAH
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TRIAXIAL COMPRESION TEST LOADING DATA

Project : Tugas Akhir
Location : Salaman, Magelang, Jawa Tengah
Description of soi : Clay

Sampel : Clay 0.5% Ijuk 5cm
Date : 26 Mei 2004
Tested by : Ujang + Mariza

Type of test apparatus		Dimension of test piece	Hight	H cm	7.50
No. Of cell			Diameter	D cm	4.00
No. of Proving ring			Cross area	A cm²	12.5664
Coeff. proving ring K =	0.165		Volume	V cm³	94.2478
k = K / A	0.0131303		Wight	W gram	148
Cell pessure	1.00	Rate of compression : 0.5%	Wet densit	gr/cm³	1.5703

Time	Strain			Reading of proving ring		Pore pressure	
	Axial deformation	Strain				u	
		%			kg/cm²	kg/cm²	kg/cm²
0	0	0	1	0	0		
	40	0.533	0.995	30	0.39180764		
	80	1.067	0.989	38	0.49362861		
	120	1.600	0.984	46	0.59432912		
	160	2.133	0.979	52	0.66820885		
	200	2.667	0.973	62	0.79236880		
	240	3.200	0.968	68	0.86428774		
	280	3.733	0.963	71	0.89744608		
	320	4.267	0.957	79	0.99303454		
	360	4.800	0.952	82	1.02500240		
	400	5.333	0.947	90	1.11870009		
	440	5.867	0.941	97	1.19891737		
	480	6.400	0.936	100	1.22899447		
	520	6.933	0.931	102	1.24643149		
	560	7.467	0.925	107	1.30003805		
	600	8.000	0.920	110	1.32878462		
	640	8.533	0.915	112	1.34510118		
	680	9.067	0.909	114	1.36113764		
	720	9.600	0.904	112	1.32941487		
	760	10.133	0.899	111	1.30977197		
	800	10.667	0.893				
	840	11.200	0.888				
	880	11.733	0.883				
	920	12.267	0.877				
	960	12.800	0.872				
	1000	13.333	0.867				
	1040	13.867	0.861				
	1080	14.400	0.856				
	1120	14.933	0.851				
	1160	15.467	0.845				

LABORATORIUM MEKANIKA TANAH
FAKULTAS TEKNIK SIPIL DAN PERENCANAAN
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TRIAXIAL COMPRESION TEST LOADING DATA

Project : Tugas Akhir
Location : Salaman, Magelang, Jawa Tengah
Description of soi : Clay

Sampel : Clay 0.5% Ijuk 5cm
Date : 26 Mei 2004
Tested by : Ujang + Mariza

Type of test apparatus		Dimension of test piece	Hight	H cm	7.50
No. Of cell			Diameter	D cm	4.00
No. of Proving ring			Cross area	A cm²	12.5664
Coeff. proving ring K =	0.165		Volume	V cm³	94.2478
k = K / A	0.01313		Wight	W gram	149
Cell pessure	2.00	Rate of compression : 0.5 %	Wet density	gr/cm³	1.5809

Time	Strain			Reading of proving ring		Pore pressure	
	Axial deformation	Strain				u	
		%			kg/cm²	kg/cm²	kg/cm²
0	0	0	1	0	0		
	40	0.533	0.995	30	0.391807639		
	80	1.067	0.989	48	0.623530870		
	120	1.600	0.984	55	0.710610905		
	160	2.133	0.979	65	0.835261057		
	200	2.667	0.973	75	0.958510645		
	240	3.200	0.968	95	1.207460807		
	280	3.733	0.963	101	1.276648644		
	320	4.267	0.957	110	1.382706315		
	360	4.800	0.952	114	1.425003332		
	400	5.333	0.947	125	1.553750132		
	440	5.867	0.941	132	1.631516420		
	480	6.400	0.936	137	1.683722425		
	520	6.933	0.931	140	1.710788314		
	560	7.467	0.925	144	1.749583923		
	600	8.000	0.920	147	1.775739447		
	640	8.533	0.915	150	1.801474801		
	680	9.067	0.909	152	1.814850182		
	720	9.600	0.904	155	1.839815227		
	760	10.133	0.899	158	1.864360102		
	800	10.667	0.893	155	1.818106492		
	840	11.200	0.888	153	1.783932743		
	880	11.733	0.883				
	920	12.267	0.877				
	960	12.800	0.872				
	1000	13.333	0.867				
	1040	13.867	0.861				
	1080	14.400	0.856				
	1120	14.933	0.851				
	1160	15.467	0.845				

LABORATORIUM MEKANIKA TANAH
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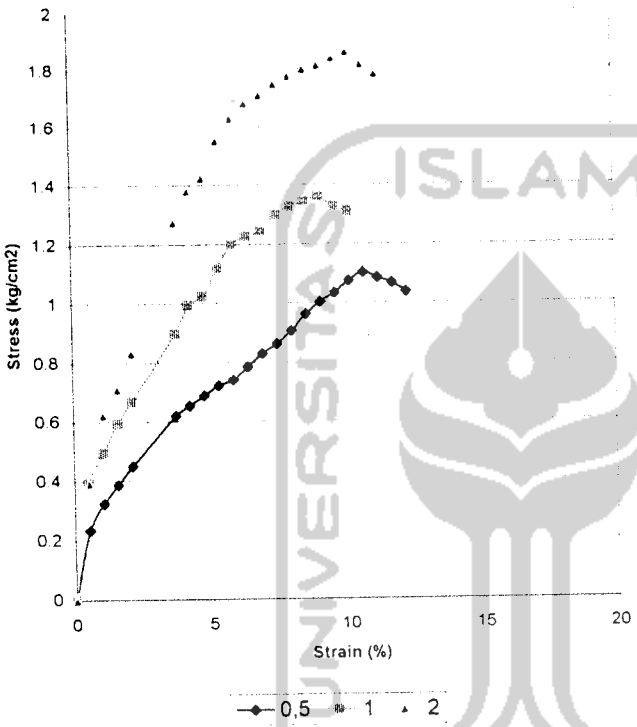
TRIAXIAL COMPRESION TEST RESULT
UNCONSOLIDATED UNDRAINED (TXUU)

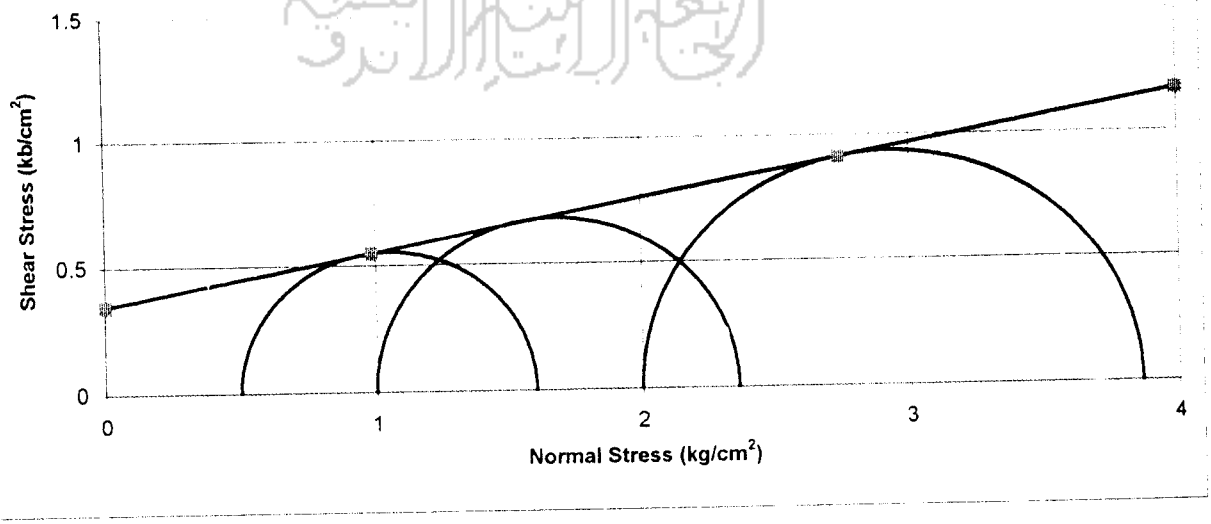
Project : Tugas Akhir
Location : Salaman, Magelang, Jawa Tengah
Description of soil : Clay

Sampel : Clay 0.5% Ijuk 5cm
Date : 26 Mei 2004
Tested by : Ujang + Mariza



Piece No :	1	2	3
H cm	7.5	7.5	7.5
D cm	4	4	4
A cm²	12.57	12.57	12.57
V cm³	94.25	94.25	94.25
Wt gram	148.00	148.00	149.00
Water Content			
Wt Container (cup), gr		22.30	22.50
Wt of Cup + Wet soil, gr		71.62	86.10
Wt of Cup + Dry soil, gr		56.10	66.70
Water Content %		45.92	43.89
Averege water content %		44.90	
γd gram/cm³	1.570329	1.570329	1.580939
γd gram/cm³	1.083701	1.083701	1.091023

σ_3	0.5	1	2
$\Delta\sigma$ = P/A	1.102594	1.361138	1.86436
$\sigma_1 = \Delta\sigma + \sigma_3$	1.602594	2.361138	3.86436
$(\sigma_1+\sigma_3)/2$	1.051297	1.680569	2.93218
$(\sigma_1-\sigma_3)/2$	0.551297	0.680569	0.93218
Angle of shearing resistence (o)			11.74173
Apperen cohesion (kg/cm²)			0.34264



LABORATORIUM MEKANIKA TANAH
FAKULTAS TEKNIK SIPIL DAN PERENCANAAN
UNIVERSITAS ISLAM INDONESIA
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TRIAXIAL COMPRESION TEST LOADING DATA

Project : Tugas Akhir
Location : Salaman, Magelang, Jawa Tengah
Description of soi : Clay
Sampel : Clay 0.5% ljuk 5cm
Date : 26 Mei 2004
Tested by : Ujang + Mariza

Type of test apparatus		Dimension of test piece	Hight	H cm	7.50
No. Of cell			Dia.meter	D cm	4.00
No. of Proving ring			Cross area	A cm²	12.5664
Coeff. proving ring K =	0.165		Volume	V cm³	94.2478
k = K / A	0.013130		Wight	W gram	146
Cell pessure	0.50	Rate of compression : 0.5 %	Wet density	gr/cm³	1.5491

Time	Strain			Reading of proving ring		Pore pressure	
	Axial deformation	Strain				u	
		%			kg/cm²	kg/cm²	kg/cm²
0	0	0	1	0	0		
	40	0.533	0.995	20	0.261205093		
	80	1.067	0.989	25	0.324755661		
	120	1.600	0.984	35	0.45220694		
	160	2.133	0.979	40	0.514006804		
	200	2.667	0.973	43	0.549546103		
	240	3.200	0.968	49	0.622795574		
	280	3.733	0.963	52	0.65728445		
	320	4.267	0.957	55	0.691353157		
	360	4.800	0.952	57	0.712501666		
	400	5.333	0.947	62	0.770660065		
	440	5.867	0.941	65	0.803398237		
	480	6.400	0.936	69	0.848006185		
	520	6.933	0.931	72	0.87983399		
	560	7.467	0.925	76	0.923391515		
	600	8.000	0.920	80	0.966388814		
	640	8.533	0.915	82	0.984806224		
	680	9.067	0.909	85	1.014883326		
	720	9.600	0.904	88	1.044540258		
	760	10.133	0.899	91	1.073777021		
	800	10.667	0.893	92	1.079134176		
	840	11.200	0.888	90	1.049372202		
	880	11.733	0.883	87	1.008300677		
	920	12.267	0.877	86	0.990688591		
	960	12.800	0.872				
	1000	13.333	0.867				
	1040	13.867	0.861				
	1080	14.400	0.856				
	1120	14.933	0.851				
	1160	15.467	0.845				

LABORATORIUM MEKANIKA TANAH
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TRIAXIAL COMPRESION TEST LOADING DATA

Project : Tugas Akhir
Location : Salaman, Magelang, Jawa Tengah
Description of soi : Clay

Sampel : Clay 0.5% Ijuk 5cm
Date : 26 Mei 2004
Tested by : Ujang + Mariza

Type of test apparatus		Dimension of test piece	Hight	H cm	7.50
No. Of cell			Diameter	D cm	4.00
No. of Proving ring			Cross area	A cm²	12.5664
Coeff. proving ring K =	0.165		Volume	V cm³	94.2478
k = K / A	0.0131303		Wight	W gram	148
Cell pessure	1.00	Rate of compression : 0.5%	Wet densit	gr/cm³	1.5703

Time	Strain			Reading of proving ring		Pore pressure	
	Axial deformation	Strain				u	
		%			kg/cm²	kg/cm²	kg/cm²
0	0	0	1	0	0		
	40	0.533	0.995	30	0.39180764		
	80	1.067	0.989	38	0.49362861		
	120	1.600	0.984	48	0.62016952		
	160	2.133	0.979	54	0.69390919		
	200	2.667	0.973	63	0.80514894		
	240	3.200	0.968	69	0.87699785		
	280	3.733	0.963	72	0.91008616		
	320	4.267	0.957	78	0.98046448		
	360	4.800	0.952	85	1.06250248		
	400	5.333	0.947	90	1.11870009		
	440	5.867	0.941	94	1.16183745		
	480	6.400	0.936	97	1.19212464		
	520	6.933	0.931	100	1.22199165		
	560	7.467	0.925	102	1.23928861		
	600	8.000	0.920	106	1.28046518		
	640	8.533	0.915	108	1.29706186		
	680	9.067	0.909	111	1.32531823		
	720	9.600	0.904	109	1.29380555		
	760	10.133	0.899	106	1.25077323		
	800	10.667	0.893				
	840	11.200	0.888				
	880	11.733	0.883				
	920	12.267	0.877				
	960	12.800	0.872				
	1000	13.333	0.867				
	1040	13.867	0.861				
	1080	14.400	0.856				
	1120	14.933	0.851				
	1160	15.467	0.845				

LABORATORIUM MEKANIKA TANAH
FAKULTAS TEKNIK SIPIL DAN PERENCANAAN
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TRIAXIAL COMPRESION TEST LOADING DATA

Project : Tugas Akhir
Location : Salaman, Magelang, Jawa Tengah
Description of soi : Clay

Sampel : Clay 0.5% Ijuk 5cm
Date : 26 Mei 2004
Tested by : Ujang + Mariza

Type of test apparatus		Dimension of test piece	Hight	H cm	7.50
No. Of cell			Diameter	D cm	4.00
No. of Proving ring			Cross area	A cm²	12.5664
Coeff. proving ring K =	0.165		Volume	V cm³	94.2478
k = K / A	0.01313		Wight	W gram	152
Cell pessure	2.00	Rate of compression : 0.5	Wet density	gr/cm³	1.6128

Time	Strain			Reading of proving ring		Pore pressure	
	Axial deformation	Strain				u	
		%			kg/cm²	kg/cm²	kg/cm²
0	0	0	1	0	0		
	40	0.533	0.995	35	0.457108912		
	80	1.067	0.989	52	0.675491776		
	120	1.600	0.984	65	0.839812888		
	160	2.133	0.979	78	1.002313268		
	200	2.667	0.973	84	1.073531922		
	240	3.200	0.968	95	1.207460807		
	280	3.733	0.963	100	1.264008558		
	320	4.267	0.957	105	1.319856028		
	360	4.800	0.952	110	1.375003215		
	400	5.333	0.947	113	1.404590119		
	440	5.867	0.941	117	1.446116827		
	480	6.400	0.936	120	1.474793365		
	520	6.933	0.931	125	1.527489566		
	560	7.467	0.925	127	1.543035821		
	600	8.000	0.920	130	1.570381823		
	640	8.533	0.915	134	1.609317489		
	680	9.067	0.909	136	1.623813321		
	720	9.600	0.904	139	1.649898816		
	760	10.133	0.899	141	1.663764395		
	800	10.667	0.893	145	1.700809299		
	840	11.200	0.888	148	1.725634287		
	880	11.733	0.883	150	1.738449443		
	920	12.267	0.877	149	1.716425582		
	960	12.800	0.872	148	1.694541778		
	1000	13.333	0.867				
	1040	13.867	0.861				
	1080	14.400	0.856				
	1120	14.933	0.851				
	1160	15.467	0.845				

LABORATORIUM MEKANIKA TANAH
FAKULTAS TEKNIK SIPIL DAN PERENCANAAN
UNIVERSITAS ISLAM INDONESIA
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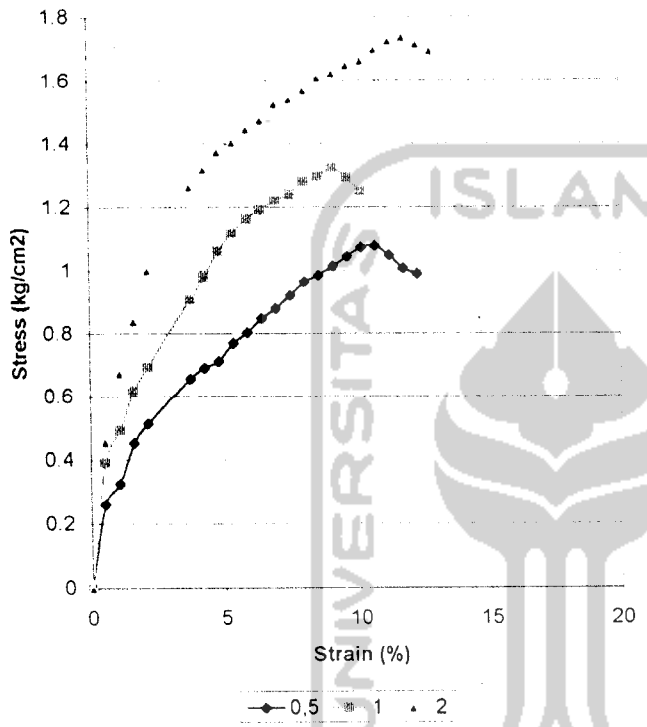
TRIAXIAL COMPRESION TEST RESULT
UNCONSOLIDATED UNDRAINED (TXUU)

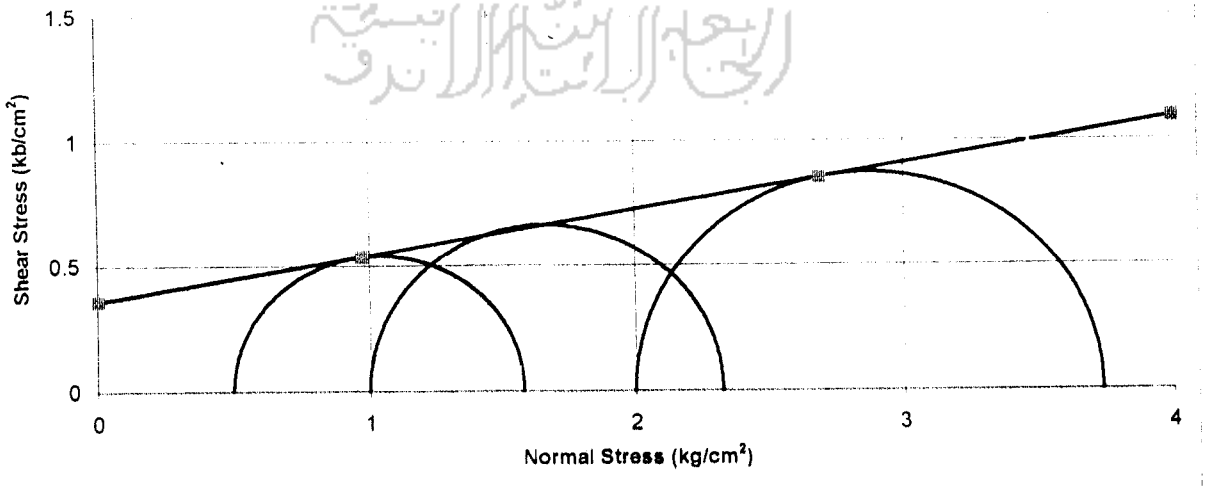
Project	: Tugas Akhir	Sampel	: Clay 0.5% Ijuk 5cm
Location	: Salaman, Magelang, Jawa Tengah	Date	: 26 Mei 2004
Description of soil	: Clay	Tested by	: Ujang + Mariza



Piece No :	1	2	3
H cm	7.5	7.5	7.5
D cm	4	4	4
A cm²	12.57	12.57	12.57
V cm³	94.25	94.25	94.25
Wt gram	146.00	148.00	152.00
Water Content			
Wt Container (cup), gr		22.00	21.95
Wt of Cup + Wet soil, gr		71.50	85.00
Wt of Cup + Dry soil, gr		56.20	66.00
Water Content %		44.74	43.13
Averege water content %		43.93	

γd gram/cm³	1.549108	1.570329	1.61277
γd gram/cm³	1.076257	1.091	1.120486

σ_3	0.5	1	2
$\Delta\sigma$ = P/A	1.079134	1.325318	1.738449
$\sigma_1 = \Delta\sigma + \sigma_3$	1.579134	2.325318	3.738449
$(\sigma_1+\sigma_3)/2$	1.039567	1.662659	2.869225
$(\sigma_1-\sigma_3)/2$	0.539567	0.662659	0.869225
Angle of shearing resistence (o)			10.39935
Apperen cohesion (kg/cm²)			0.356829



LABORATORIUM MEKANIKA TANAH
FAKULTAS TEKNIK SIPIL DAN PERENCANAAN
UNIVERSITAS ISLAM INDONESIA
Jl. Kaliurang KM. 14,4 Telp. (0274) 895042, 895707 fax 895330 Yogyakarta 55584.

TRIAXIAL COMPRESION TEST LOADING DATA

Project : Tugas Akhir
Location : Salaman, Magelang, Jawa Tengah
Description of sci : Clay

Sampel : Clay + 0.7% Ijuk 5cm
Date : 1 Juni 2004
Tested by : Ujang + Mariza

Type of test apparatus		Dimension of test piece	Hight	H cm	7.50
No. Of cell			Diameter	D cm	4.00
No. of Proving ring			Cross area	A cm²	12.5664
Coeff. proving ring K =	0.165		Volume	V cm³	94.2478
k = K / A	0.013130		Wight	W gram	148.00
Cell pessure	0.50	Rate of compression : 0.5 %	Wet density	gr/cm³	1.5703

Time	Strain			Reading of proving ring		Pore pressure	
	Axial deformation	Strain				u	
		%			kg/cm²	kg/cm²	kg/cm²
0	0	0	1	0	0		
	40	0.533	0.995	9	0.117542292		
	80	1.067	0.989	21	0.272794756		
	120	1.600	0.984	27	0.348845354		
	160	2.133	0.979	32	0.411205443		
	200	2.667	0.973	36	0.460085109		
	240	3.200	0.968	40	0.50840455		
	280	3.733	0.963	45	0.568803851		
	320	4.267	0.957	48	0.603362755		
	360	4.800	0.952	52	0.65000152		
	400	5.333	0.947	58	0.720940061		
	440	5.867	0.941	63	0.778678291		
	480	6.400	0.936	68	0.83571624		
	520	6.933	0.931	71	0.867614074		
	560	7.467	0.925	76	0.923391515		
	600	8.000	0.920	75	0.905989514		
	640	8.533	0.915	73	0.876717736		
	680	9.067	0.909	71	0.847726072		
	720	9.600	0.904	69	0.81901452		
	760	10.133	0.899	67	0.790583081		
	800	10.667	0.893	65	0.762431755		
	840	11.200	0.888	63	0.734560541		
	880	11.733	0.883	98	1.13578697		
	920	12.267	0.877	59	0.679658452		
	960	12.800	0.872	57	0.652627577		
	1000	13.333	0.867				
	1040	13.867	0.861				
	1080	14.400	0.856				
	1120	14.933	0.851				
	1160	15.467	0.845				

LABORATORIUM MEKANIKA TANAH
FAKULTAS TEKNIK SIPIL DAN PERENCANAA
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TRIAXIAL COMPRESION TEST LOADING DATA

Project : Tugas Akhir
Location : Salaman, Magelang, Jawa Tengah
Description of soi : Clay

Sampel : Clay + 0.7% Ijuk 5cm
Date : 1 Juni 2004
Tested by : Ujang + Mariza

Type of test apparatus		Dimension of test piece	Hight	H cm	7.50
No. Of cell			Diameter	D cm	4.00
No. of Proving ring			Cross area	A cm²	12.5664
Coeff. proving ring K =	0.165		Volume	V cm³	94.2478
k = K / A	0.0131303		Wight	W gram	152.00
Cell pessure	1.00	Rate of compression : 0.5%	Wet density	gr/cm³	1.6128

Time	Strain			Reading of proving ring		Pore pressure	
	Axial deformation	Strain				u	
		%			kg/cm²	kg/cm²	kg/cm²
0	0	0	1	0	0		
	40	0.533	0.995	19	0.2481448		
	80	1.067	0.989	32	0.415687247		
	120	1.600	0.984	39	0.503887733		
	160	2.133	0.979	46	0.591107825		
	200	2.667	0.973	48	0.613446813		
	240	3.200	0.968	56	0.71176637		
	280	3.733	0.963	68	0.859525819		
	320	4.267	0.957	75	0.942754305		
	360	4.800	0.952	80	1.000002338		
	400	5.333	0.947	85	1.05655009		
	440	5.867	0.941	89	1.100037586		
	480	6.400	0.936	92	1.130674913		
	520	6.933	0.931	96	1.173111987		
	560	7.467	0.925	98	1.190689059		
	600	8.000	0.920	103	1.244225599		
	640	8.533	0.915	107	1.285052025		
	680	9.067	0.909	110	1.313378421		
	720	9.600	0.904	113	1.341284649		
	760	10.133	0.899	115	1.35697096		
	800	10.667	0.893	113	1.325458282		
	840	11.200	0.888	112	1.305885407		
	880	11.733	0.883	110	1.274862925		
	920	12.267	0.877				
	960	12.800	0.872				
	1000	13.333	0.867				
	1040	13.867	0.861				
	1080	14.400	0.856				
	1120	14.933	0.851				
	1160	15.467	0.845				

LABORATORIUM MEKANIKA TANAH
FAKULTAS TEKNIK SIPIL DAN PERENCANAAN
UNIVERSITAS ISLAM INDONESIA
Jl. Kaliurang KM. 14,4 Telp. (0274) 895042, 895707 fax 895330 Yogyakarta 55584.

TRIAXIAL COMPRESION TEST LOADING DATA

Project : Tugas Akhir
Location : Salaman, Magelang, Jawa Tengah
Description of soi : Clay

Sampel : Clay + 0 7% Ijuk 5cm
Date : 1 Juni 2004
Tested by : Ujang + Mariza

Type of test apparatus		Dimension of test piece	Hight	H cm	7.50
No. Of cell			Diameter	D cm	4.00
No. of Proving ring			Cross area	A cm²	12.5664
Coeff. proving ring K =	0.165		Volume	V cm³	94.2478
k = K / A	0.01313		Wight	W gram	150.00
Cell pessure	2.00	Rate of compression : 0.5 %	Wet density	gr/cm³	1.5915

Time	Strain			Reading of proving ring		Pore pressure	
	Axial deformation	Strain				u	
		%			kg/cm²	kg/cm²	kg/cm²
0	0	0	1	0	0		
	40	0.533	0.995	27	0.352626875		
	80	1.067	0.989	38	0.493628605		
	120	1.600	0.984	50	0.646009914		
	160	2.133	0.979	65	0.835261057		
	200	2.667	0.973	75	0.958510645		
	240	3.200	0.968	87	1.105779897		
	280	3.733	0.963	93	1.175527959		
	320	4.267	0.957	98	1.231865626		
	360	4.800	0.952	102	1.275002982		
	400	5.333	0.947	106	1.317580112		
	440	5.867	0.941	110	1.359597017		
	480	6.400	0.936	114	1.401053696		
	520	6.933	0.931	118	1.441950151		
	560	7.467	0.925	120	1.457986603		
	600	8.000	0.920	124	1.497902662		
	640	8.533	0.915	127	1.525248665		
	680	9.067	0.909	132	1.576054106		
	720	9.600	0.904	137	1.626159265		
	760	10.133	0.899	140	1.651964647		
	800	10.667	0.893	142	1.665620141		
	840	11.200	0.888	146	1.702314905		
	880	11.733	0.883	148	1.715270117		
	920	12.267	0.877	152	1.750984487		
	960	12.800	0.872	155	1.774689024		
	1000	13.333	0.867	158	1.797973392		
	1040	13.867	0.861	155	1.752980290		
	1080	14.400	0.856	153	1.719646878		
	1120	14.933	0.851	151	1.686593580		
	1160	15.467	0.845	150	1.664919860		

LABORATORIUM MEKANIKA TANAH
FAKULTAS TEKNIK SIPIL DAN PERENCANAAN
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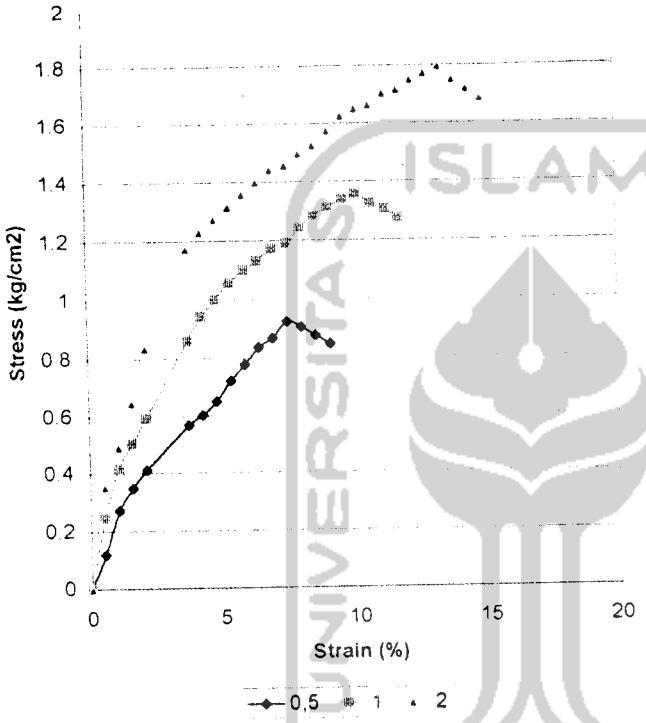
TRIAXIAL COMPRESION TEST RESULT
UNCONSOLIDATED UNDRAINED (TXUU)

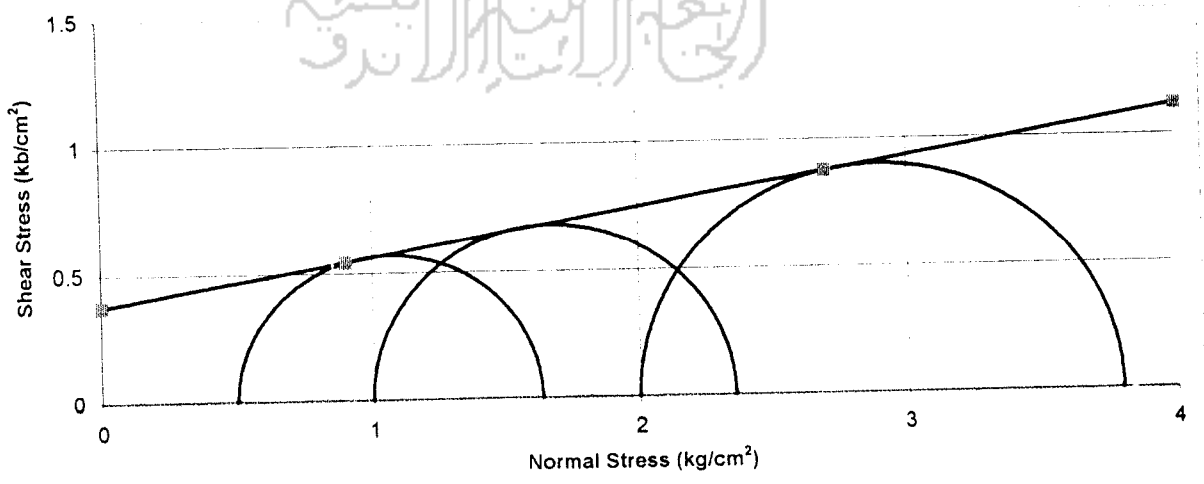
Project : Tugas Akhir
Location : Salaman, Magelang, Jawa Tengah
Description of soil : Clay

Sampel : Clay + 0.7% Ijuk 5cm
Date : 1 Juni 2004
Tested by : Ujang + Mariza

Piece No :	1	2	3
H cm	7.5	7.5	7.5
D cm	4	4	4
A cm²	12.57	12.57	12.57
V cm³	94.25	94.25	94.25
Wt gram	148.00	152.00	150.00
Water Content			
Wt Container (cup), gr		21.50	22.32
Wt of Cup + Wet soil, gr		57.60	57.00
Wt of Cup + Dry soil, gr		46.35	45.80
Water Content %		45.27	47.70
Averege water content %		46.49	
γd gram/cm³	1.570329	1.61277	1.591549
γd gram/cm³	1.072	1.100973	1.086486



σ_3	0.5	1	2
$\Delta\sigma$ = P/A	1.135787	1.356971	1.797973
$\sigma_1 = \Delta\sigma + \sigma_3$	1.635787	2.356971	3.797973
$(\sigma_1+\sigma_3)/2$	1.067893	1.678485	2.898987
$(\sigma_1-\sigma_3)/2$	0.567893	0.678485	0.898987
Angle of shearing resistence (o)			10.50621
Apperen cohesion (kg/cm²)			0.375829



LABORATORIUM MEKANIKA TANAH
FAKULTAS TEKNIK SIPIL DAN PERENCANAAN
UNIVERSITAS ISLAM INDONESIA
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TRIAXIAL COMPRESION TEST LOADING DATA

Project : Tugas Akhir
Location : Salaman, Magelang, Jawa Tengah
Description of soi : Clay

Sampel : Clay + 0.7% Ijuk 5cm
Date : 1 Juni 2004
Tested by : Ujang + Mariza

Type of test apparatus		Dimension of test piece	Hight	H cm	7.50
No. Of cell			Diameter	D cm	4.00
No. of Proving ring			Cross area	A cm²	12.5664
Coeff. proving ring K =	0.165		Volume	V cm³	94.2478
k = K / A	0.013130		Wight	W gram	150.00
Cell pessure	0.50	Rate of compression : 0.5 %	Wet density	gr/cm³	1.5915

Time	Strain			Reading of proving ring		Pore pressure	
	Axial deformation	Strain				u	
		%			kg/cm²	kg/cm²	kg/cm²
0	0	0	1	0	0		
	40	0.533	0.995	11	0.143662801		
	80	1.067	0.989	25	0.324755661		
	120	1.600	0.984	31	0.400526147		
	160	2.133	0.979	35	0.449755954		
	200	2.667	0.973	36	0.460085109		
	240	3.200	0.968	45	0.571955119		
	280	3.733	0.963	50	0.632004279		
	320	4.267	0.957	55	0.691353157		
	360	4.800	0.952	58	0.725001695		
	400	5.333	0.947	62	0.770660065		
	440	5.867	0.941	65	0.803398237		
	480	6.400	0.936	68	0.835716240		
	520	6.933	0.931	71	0.867614074		
	560	7.467	0.925	75	0.911241627		
	600	8.000	0.920	76	0.918069374		
	640	8.533	0.915	78	0.936766896		
	680	9.067	0.909	80	0.955184306		
	720	9.600	0.904	82	0.973321604		
	760	10.133	0.899	84	0.991178788		
	800	10.667	0.893	86	1.008755860		
	840	11.200	0.888	90	1.049372202		
	880	11.733	0.883	95	1.101017981		
	920	12.267	0.877	97	1.117404574		
	960	12.800	0.872	98	1.122061447		
	1000	13.333	0.867	96	1.092439529		
	1040	13.867	0.861	95	1.074407274		
	1080	14.400	0.856				
	1120	14.933	0.851				
	1160	15.467	0.845				

LABORATORIUM MEKANIKA TANAH
FAKULTAS TEKNIK SIPIL DAN PERENCANAAN
UNIVERSITAS ISLAM INDONESIA
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TRIAXIAL COMPRESION TEST LOADING DATA

Project : Tugas Akhir
Location : Salaman, Magelang, Jawa Tengah
Description of soi : Clay

Sampel : Clay + 0.7% Ijuk 5cm
Date : 1 Juni 2004
Tested by : Ujang + Mariza

Type of test apparatus		Dimension of test piece	Hight	H cm	7.50
No. Of cell			Diameter	D cm	4.00
No. of Proving ring			Cross area	A cm²	12.5664
Coeff. proving ring K =	0.165		Volume	V cm³	94.2478
k = K / A	0.0131303		Wight	W gram	155.00
Cell pessure	1.00	Rate of compression : 0.5%	Wet densit	gr/cm³	1.6446

Time	Strain			Reading of proving ring		Pore pressure	
	Axial deformation	Strain				u	
		%			kg/cm²	kg/cm²	kg/cm²
0	0	0	1	0	0		
	40	0.533	0.995	19	0.24814484		
	80	1.067	0.989	32	0.41568725		
	120	1.600	0.984	39	0.50388773		
	160	2.133	0.979	46	0.59110782		
	200	2.667	0.973	48	0.61344681		
	240	3.200	0.968	56	0.71176637		
	280	3.733	0.963	60	0.75840513		
	320	4.267	0.957	65	0.81705373		
	360	4.800	0.952	70	0.87500205		
	400	5.333	0.947	75	0.93225008		
	440	5.867	0.941	81	1.00115780		
	480	6.400	0.936	84	1.03235536		
	520	6.933	0.931	87	1.06313274		
	560	7.467	0.925	90	1.09348995		
	600	8.000	0.920	92	1.11134714		
	640	8.533	0.915	96	1.15294387		
	680	9.067	0.909	100	1.19398038		
	720	9.600	0.904	103	1.22258689		
	760	10.133	0.899	107	1.26257298		
	800	10.667	0.893	110	1.29026912		
	840	11.200	0.888	113	1.31754510		
	880	11.733	0.883	116	1.34440090		
	920	12.267	0.877	118	1.35931690		
	960	12.800	0.872	117	1.33960397		
	1000	13.333	0.867	115	1.30865152		
	1040	13.867	0.861				
	1080	14.400	0.856				
	1120	14.933	0.851				
	1160	15.467	0.845				

LABORATORIUM MEKANIKA TANAH
FAKULTAS TEKNIK SIPIL DAN PERENCANAAN
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TRIAXIAL COMPRESION TEST LOADING DATA

Project : Tugas Akhir
Location : Salaman, Magelang, Jawa Tengah
Description of soi : Clay
Sampel : Clay + 0.7% Ijuk 5cm
Date : 1 Juni 2004
Tested by : Ujang + Mariza

Type of test apparatus		Dimension of test piece	Hight	H cm	7.50
No. Of cell			Diameter	D cm	4.00
No. of Proving ring			Cross area	A cm²	12.5664
Coeff. proving ring K =	0.165		Volume	V cm³	94.2478
k = K / A	0.01313		Wight	W gram	156.00
Cell pessure	2.00	Rate of compression : 0.5	Wet density	gr/cm³	1.6552

Time	Strain			Reading of proving ring		Pore pressure	
	Axial deformation	Strain				u	
		%			kg/cm²	kg/cm²	kg/cm²
0	0	0	1	0	0		
	40	0.533	0.995	30	0.391807639		
	80	1.067	0.989	40	0.519609058		
	120	1.600	0.984	48	0.620169517		
	160	2.133	0.979	58	0.745309866		
	200	2.667	0.973	61	0.779588658		
	240	3.200	0.968	78	0.991388873		
	280	3.733	0.963	88	1.112327531		
	320	4.267	0.957	95	1.194155454		
	360	4.800	0.952	100	1.250002923		
	400	5.333	0.947	107	1.330010113		
	440	5.867	0.941	112	1.384316963		
	480	6.400	0.936	116	1.425633586		
	520	6.933	0.931	121	1.478609900		
	560	7.467	0.925	129	1.567335598		
	600	8.000	0.920	134	1.618701264		
	640	8.533	0.915	137	1.645346985		
	680	9.067	0.909	140	1.671572536		
	720	9.600	0.904	143	1.697377919		
	760	10.133	0.899	146	1.722763132		
	800	10.667	0.893	148	1.735998457		
	840	11.200	0.888	152	1.772273052		
	880	11.733	0.883	155	1.796397758		
	920	12.267	0.877	158	1.820102295		
	960	12.800	0.872	161	1.843386664		
	1000	13.333	0.867	163	1.854871284		
	1040	13.867	0.861	165	1.866075792		
	1080	14.400	0.856	160	1.798323533		
	1120	14.933	0.851	158	1.764780037		
	1160	15.467	0.845	155	1.720417188		

LABORATORIUM MEKANIKA TANAH
FAKULTAS TEKNIK SIPIL DAN PERENCANAAN
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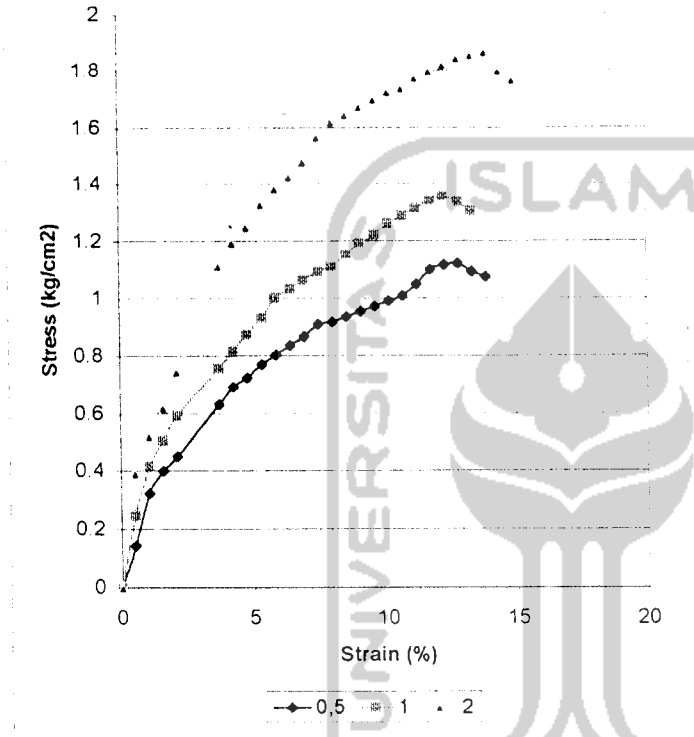
TRIAXIAL COMPRESION TEST RESULT
UNCONSOLIDATED UNDRAINED (TXUU)

Project : Tugas Akhir
Location : Salaman, Magelang, Jawa Tengah
Description of soil : Clay

Sampel : Clay + 0.7% Ijuk 5cm
Date : 1 Juni 2004
Tested by : Ujang + Mariza

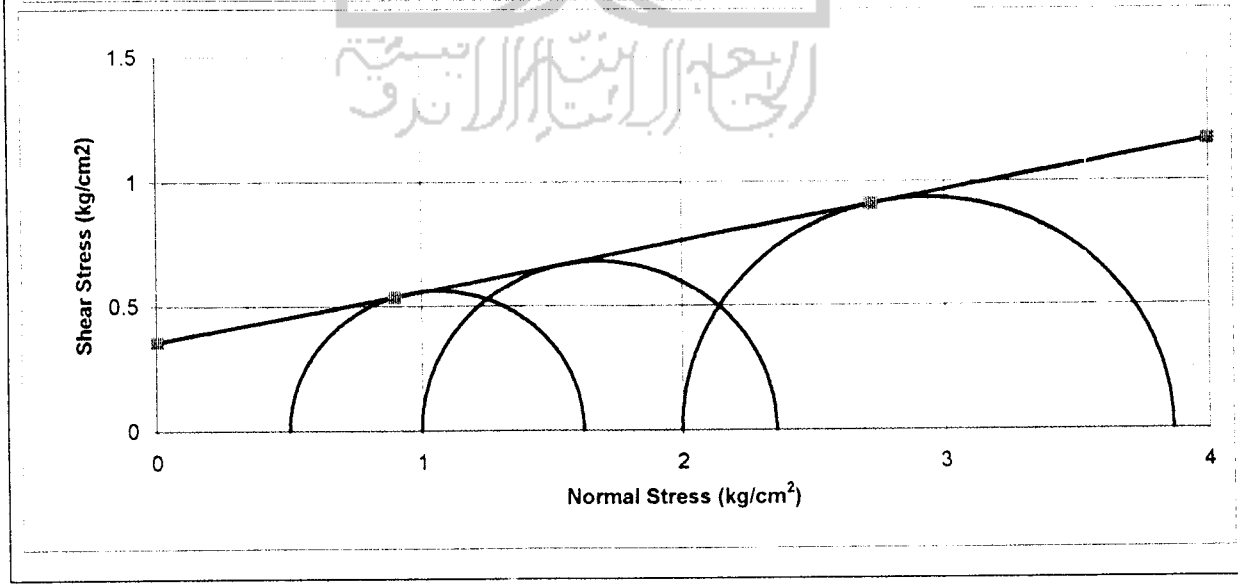


Piece No :	1	2	3
H cm	7.5	7.5	7.5
D cm	4	4	4
A cm²	12.57	12.57	12.57
V cm³	94.25	94.25	94.25
Wt gram	150.00	155.00	156.00

Water Content		
Wt Container (cup), gr	22.15	21.95
Wt of Cup + Wet soil, gr	48.50	48.43
Wt of Cup + Dry soil, gr	40.05	40.05
Water Content %	47.21	46.30
Averege water content %	46.75	

γd gram/cm³	1.591549	1.644601	1.655211
γd gram/cm³	1.084512	1.120663	1.127893

σ_3	0.5	1	2
$\Delta\sigma$ = P/A	1.122061	1.359317	1.866076
$\sigma_1 = \Delta\sigma + \sigma_3$	1.622061	2.359317	3.866076
$(\sigma_1+\sigma_3)/2$	1.061031	1.679658	2.933038
$(\sigma_1-\sigma_3)/2$	0.561031	0.679658	0.933038
Angle of shearing resistence (o)			11.53234
Apperen cohesion (kg/cm²)			0.353492



LABORATORIUM MEKANIKA TANAH
FAKULTAS TEKNIK SIPIL DAN PERENCANAAN
UNIVERSITAS ISLAM INDONESIA
Jl. Kaliurang KM. 14,4 Telp. (0274) 895042, 895707 fax 895330 Yogyakarta 55584.

TRIAXIAL COMPRESION TEST LOADING DATA

Project : Tugas Akhir
Location : Salaman, Magelang, Jawa Tengah
Description of soil : Clay
Sampel : Clay + 0.5% Ijuk 3cm + 2% Lime
Date : 6 Juni 2004
Tested by : Ujang + Mariza

Type of test apparatus			Hight	H cm	7.50
No. Of cell		Dimension	Diameter	D cm	4.00
No. of Proving ring		of test piece	Cross area	A cm²	12.5664
Coeff. proving ring K =	0.165		Volume	V cm³	94.2478
k = K / A	0.013130		Wight	W gram	148.00
Cell pessure	0.50	Rate of compression : 0.5 %	Wet density	gr/cm³	1.5703

Time	Strain			Reading of proving ring		Pore pressure	
	Axial deformation	Strain				u	
		%			kg/cm²	kg/cm²	kg/cm²
0	0	0	1	0	0		
	40	0.533	0.995	12	0.156723056		
	80	1.067	0.989	20	0.259804529		
	120	1.600	0.984	25	0.323004957		
	160	2.133	0.979	29	0.372654933		
	200	2.667	0.973	33	0.421744684		
	240	3.200	0.968	36	0.457564095		
	280	3.733	0.963	39	0.492963338		
	320	4.267	0.957	41	0.515372354		
	360	4.800	0.952	43.5	0.543751272		
	400	5.333	0.947	45.5	0.565565048		
	440	5.867	0.941	47	0.580918725		
	480	6.400	0.936	49	0.602207291		
	520	6.933	0.931	52	0.635435660		
	560	7.467	0.925	54	0.656093971		
	600	8.000	0.920	60	0.724791611		
	640	8.533	0.915	64	0.768629248		
	680	9.067	0.909	65	0.776087249		
	720	9.600	0.904	68	0.807144745		
	760	10.133	0.899	70	0.825982324		
	800	10.667	0.893	71	0.832810071		
	840	11.200	0.888	75	0.874476835		
	880	11.733	0.883	78	0.903993711		
	920	12.267	0.877	81	0.933090417		
	960	12.800	0.872	84	0.961766955		
	1000	13.333	0.867	85	0.967264167		
	1040	13.867	0.861	87	0.983930872		
	1080	14.400	0.856	90	1.011556987		
	1120	14.933	0.851	89	0.994084958		
	1160	15.467	0.845	85	0.943454587		

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TRIAXIAL COMPRESION TEST LOADING DATA

Project : Tugas Akhir
Location : Salaman, Magelang, Jawa Tengah
Description of soil : Clay

Sampel : Clay + 0.5% Ijuk 3cm + 2% Lime
Date : 6 Juni 2004
Tested by : Ujang + Mariza

Type of test apparatus		Dimension of test piece	Hight	H cm	7.50
No. Of cell			Diameter	D cm	4.00
No. of Proving ring			Cross area	A cm²	12.5664
Coeff. proving ring K =	0.165		Volume	V cm³	94.2478
k = K / A	0.0131303		Wight	W gram	150.00
Cell pessure	1.00	Rate of compression : 0.5%	Wet densit	gr/cm³	1.5915

Time	Strain			Reading of proving ring		Pore pressure	
	Axial deformation	Strain				u	
		%			kg/cm²	kg/cm²	kg/cm²
0	0	0	1	0	0		
	40	0.533	0.995	18	0.2350846		
	80	1.067	0.989	25	0.32475566		
	120	1.600	0.984	35	0.45220694		
	160	2.133	0.979	49	0.62965834		
	200	2.667	0.973	60	0.76680852		
	240	3.200	0.968	61	0.77531694		
	280	3.733	0.963	65	0.82160556		
	320	4.267	0.957	70	0.87990402		
	360	4.800	0.952	71	0.88750208		
	400	5.333	0.947	74	0.91982008		
	440	5.867	0.941	77	0.95171791		
	480	6.400	0.936	80	0.98319558		
	520	6.933	0.931	81	0.98981324		
	560	7.467	0.925	84	1.02059062		
	600	8.000	0.920	87	1.05094784		
	640	8.533	0.915	90	1.08088488		
	680	9.067	0.909	93	1.11040176		
	720	9.600	0.904	96	1.13949846		
	760	10.133	0.899	97	1.14457551		
	800	10.667	0.893	100	1.17297193		
	840	11.200	0.888	102	1.1892885		
	880	11.733	0.883	104	1.20532495		
	920	12.267	0.877	105	1.20956165		
	960	12.800	0.872	103	1.17930948		
	1000	13.333	0.867	103	1.17209658		
	1040	13.867	0.861				
	1080	14.400	0.856				
	1120	14.933	0.851				
	1160	15.467	0.845				

LABORATORIUM MEKANIKA TANAH
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TRIAXIAL COMPRESION TEST LOADING DATA

Project : Tugas Akhir
Location : Salaman, Magelang, Jawa Tengah
Description of soil : Clay
Sampel : Clay + 0.5% Ijuk 3cm + 2% Lime
Date : 6 Juni 2004
Tested by : Ujang + Mariza

Type of test apparatus		Dimension of test piece	Hight	H cm	7.50
No. Of cell			Diameter	D cm	4.00
No. of Proving ring			Cross area	A cm²	12.5664
Coeff. proving ring K =	0.165		Volume	V cm³	94.2478
k = K / A	0.01313		Wight	W gram	154.00
Cell pessure	2.00	Rate of compression : 0.5 %	Wet density	gr/cm³	1.6340

Time	Strain			Reading of proving ring		Pore pressure	
	Axial deformation	Strain				u	
		%			kg/cm²	kg/cm²	kg/cm²
0	0	0	1	0	0		
	40	0.533	0.995	19	0.248144838		
	80	1.067	0.989	30	0.389706794		
	120	1.600	0.984	50	0.646009914		
	160	2.133	0.979	60	0.771010206		
	200	2.667	0.973	76	0.971290787		
	240	3.200	0.968	79	1.004098987		
	280	3.733	0.963	82	1.036487018		
	320	4.267	0.957	88	1.106165052		
	360	4.800	0.952	90	1.125002631		
	400	5.333	0.947	95	1.180850100		
	440	5.867	0.941	100	1.235997288		
	480	6.400	0.936	103	1.265864305		
	520	6.933	0.931	105	1.283091236		
	560	7.467	0.925	108	1.312187942		
	600	8.000	0.920	112	1.352944340		
	640	8.533	0.915	115	1.381130681		
	680	9.067	0.909	118	1.408896852		
	720	9.600	0.904	120	1.424373079		
	760	10.133	0.899	122	1.439569193		
	800	10.667	0.893	125	1.466214913		
	840	11.200	0.888	127	1.480780774		
	880	11.733	0.883	130	1.506656184		
	920	12.267	0.877	133	1.532111426		
	960	12.800	0.872	134	1.534247285		
	1000	13.333	0.867	137	1.559002245		
	1040	13.867	0.861	138	1.560717935		
	1080	14.400	0.856	135	1.517335481		
	1120	14.933	0.851	135	1.507881677		
	1160	15.467	0.845	132	1.465129477		

LABORATORIUM MEKANIKA TANAH
FAKULTAS TEKNIK SIPIL DAN PERENCANAAN
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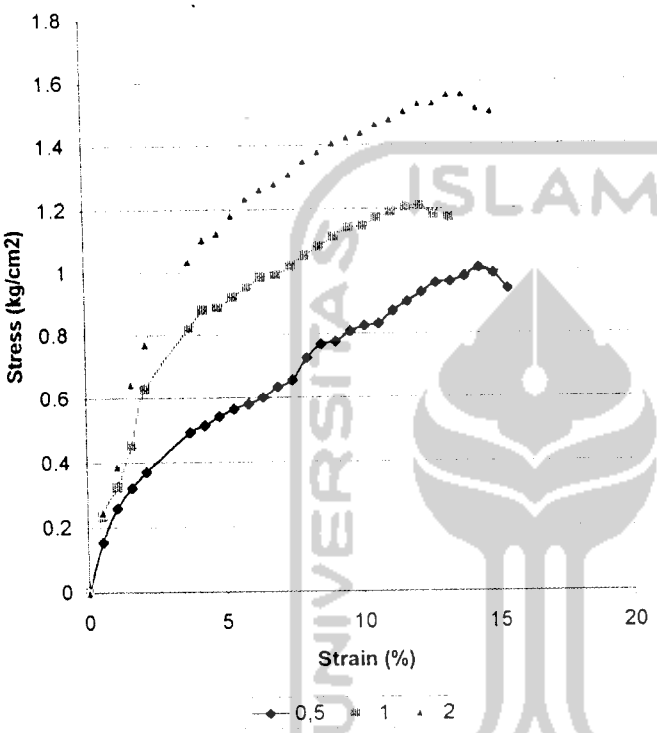
TRIAXIAL COMPRESION TEST RESULT
UNCONSOLIDATED UNDRAINED (TXUU)

Project : Tugas Akhir
Location : Salaman, Magelang, Jawa Tengah
Description of soil : Clay

Sampel : Clay + 0.5% Ijuk 3cm + 2% Lime
Date : 6 Juni 2004
Tested by : Ujang + Mariza

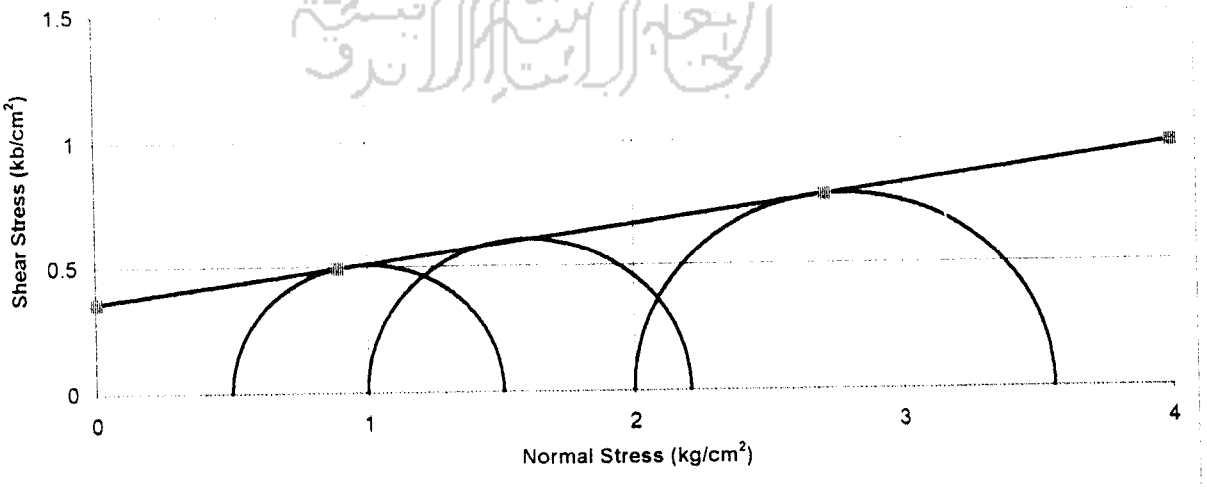


Piece No :	1	2	3
H cm	7.5	7.5	7.5
D cm	4	4	4
A cm²	12.57	12.57	12.57
V cm³	94.25	94.25	94.25
Wt gram	148.00	150.00	154.00

Water Content		
Wt Container (cup), gr	21.28	21.65
Wt of Cup + Wet soil, gr	58.60	60.25
Wt of Cup + Dry soil, gr	46.75	48.45
Water Content %	46.53	44.03
Averege water content %	45.28	

γd gram/cm³	1.570329	1.591549	1.633991
γd gram/cm³	1.080916	1.095523	1.124737

σ_3	0.5	1	2
$\Delta\sigma$ = P/A	1.011557	1.209562	1.560718
$\sigma_1 = \Delta\sigma + \sigma_3$	1.511557	2.209562	3.560718
$(\sigma_1+\sigma_3)/2$	1.005778	1.604781	2.780359
$(\sigma_1-\sigma_3)/2$	0.505778	0.604781	0.780359
Angle of shearing resistence (o)			8.885127
Apperen cohesion (kg/cm²)			0.353369



LABORATORIUM MEKANIKA TANAH
FAKULTAS TEKNIK SIPIL DAN PERENCANAAN
UNIVERSITAS ISLAM INDONESIA
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TRIAXIAL COMPRESION TEST LOADING DATA

Project : Tugas Akhir
Location : Salaman, Magelang, Jawa Tengah
Description of soi : Clay

Sampel : Clay + 0.5% Ijuk 3cm + 2% Lime
Date : 6 Juni 2004
Tested by : Ujang + Mariza

Type of test apparatus		Dimension of test piece	Hight	H cm	7.50
No. Of cell			Diameter	D cm	4.00
No. of Proving ring			Cross area	A cm²	12.5664
Coeff. proving ring K =	0.165		Volume	V cm³	94.2478
k = K / A	0.013130		Wight	W gram	150.00
Cell pessure	0.50	Rate of compression : 0.5 %	Wet density	gr/cm³	1.5915

Time	Strain			Reading of proving ring		Pore pressure	
	Axial deformation	Strain				u	
		%			kg/cm²	kg/cm²	kg/cm²
0	0	0	1	0	0		
	40	0.533	0.995	12	0.156723056		
	80	1.067	0.989	20	0.259804529		
	120	1.600	0.984	25	0.323004957		
	160	2.133	0.979	29	0.372654933		
	200	2.667	0.973	33	0.421744684		
	240	3.200	0.968	39	0.495694436		
	280	3.733	0.963	42	0.530883594		
	320	4.267	0.957	45	0.565652583		
	360	4.800	0.952	47	0.587501374		
	400	5.333	0.947	49	0.609070052		
	440	5.867	0.941	53.5	0.661258549		
	480	6.400	0.936	55	0.675946959		
	520	6.933	0.931	57	0.696535242		
	560	7.467	0.925	59	0.716843413		
	600	8.000	0.920	60	0.724791611		
	640	8.533	0.915	62	0.744609584		
	680	9.067	0.909	64	0.764147445		
	720	9.600	0.904	68	0.807144745		
	760	10.133	0.899	72	0.849581819		
	800	10.667	0.893	75	0.879728948		
	840	11.200	0.888	78	0.909455908		
	880	11.733	0.883	79	0.915583374		
	920	12.267	0.877	80	0.921570782		
	960	12.800	0.872	81.5	0.933142938		
	1000	13.333	0.867	82	0.933125431		
	1040	13.867	0.861	82	0.927383121		
	1080	14.400	0.856	80	0.899161766		
	1120	14.933	0.851	79	0.882390019		
	1160	15.467	0.845	78	0.865758327		

LABORATORIUM MEKANIKA TANAH
FAKULTAS TEKNIK SIPIL DAN PERENCANAAN
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TRIAXIAL COMPRESION TEST LOADING DATA

Project : Tugas Akhir
Location : Salaman, Magelang, Jawa Tengah
Description of soi : Clay

Sampel : Clay + 0.5% Ijuk 3cm + 2% Lime
Date : 6 Juni 2004
Tested by : Ujang + Mariza

Type of test apparatus			Hight	H cm	7.50
No. Of cell		Dimension	Diameter	D cm	4.00
No. of Proving ring		of test piece	Cross area	A cm²	12.5664
Coeff. proving ring K =	0.165		Volume	V cm³	94.2478
k = K / A	0.0131303		Wight	W gram	153.00
Cell pessure	1.00	Rate of compression : 0.5%	Wet densit	gr/cm³	1.6234

Time	Strain			Reading of proving ring		Pore pressure	
	Axial defor-mation	Strain				u	
		%			kg/cm²	kg/cm²	kg/cm²
0	0	0	1	0	0		
	40	0.533	0.995	20	0.26120509		
	80	1.067	0.989	26	0.33774589		
	120	1.600	0.984	31	0.40052615		
	160	2.133	0.979	38	0.48830646		
	200	2.667	0.973	47	0.60066667		
	240	3.200	0.968	51	0.64821580		
	280	3.733	0.963	55	0.69520471		
	320	4.267	0.957	57	0.71649327		
	360	4.800	0.952	59	0.73750172		
	400	5.333	0.947	62	0.77066007		
	440	5.867	0.941	66	0.81575821		
	480	6.400	0.936	68	0.83571624		
	520	6.933	0.931	70	0.85539416		
	560	7.467	0.925	71	0.86264207		
	600	8.000	0.920	74	0.89390965		
	640	8.533	0.915	77	0.92475706		
	680	9.067	0.909	80	0.95518431		
	720	9.600	0.904	82	0.97332160		
	760	10.133	0.899	85	1.00297854		
	800	10.667	0.893	87	1.02048558		
	840	11.200	0.888	90	1.04937220		
	880	11.733	0.883	91	1.05465933		
	920	12.267	0.877	94	1.08284567		
	960	12.800	0.872	96	1.09916223		
	1000	13.333	0.867	97	1.10381911		
	1040	13.867	0.861	99.5	1.12530025		
	1080	14.400	0.856	98.5	1.10709292		
	1120	14.933	0.851	93	1.03876293		
	1160	15.467	0.845	92	1.02115085		

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TRIAXIAL COMPRESION TEST LOADING DATA

Project : Tugas Akhir
Location : Salaman, Magelang, Jawa Tengah
Description of soi : Clay
Sampel : Clay + 0.5% Ijuk 3cm + 2% Lime
Date : 6 Juni 2004
Tested by : Ujang + Mariza

Type of test apparatus			Hight	H cm	7.50
No. Of cell		Dimension	Diameter	D cm	4.00
No. of Proving ring		of test piece	Cross area	A cm²	12.5664
Coeff. proving ring K =	0.165		Volume	V cm³	94.2478
k = K / A	0.01313		Wight	W gram	154.00
Cell pessure	2.00	Rate of compression : 0.5	Wet density	gr/cm³	1.6340

Time	Strain			Reading of proving ring		Pore pressure	
	Axial deformation	Strain				u	
		%			kg/cm²	kg/cm²	kg/cm²
0	0	0	1	0	0		
	40	0.533	0.995	19	0.248144838		
	80	1.067	0.989	30	0.389706794		
	120	1.600	0.984	50	0.646009914		
	160	2.133	0.979	58	0.745309866		
	200	2.667	0.973	65	0.830709225		
	240	3.200	0.968	75	0.953258532		
	280	3.733	0.963	79	0.998566761		
	320	4.267	0.957	81	1.018174650		
	360	4.800	0.952	83	1.037502426		
	400	5.333	0.947	87	1.081410092		
	440	5.867	0.941	90	1.112397559		
	480	6.400	0.936	93	1.142964858		
	520	6.933	0.931	96	1.173111987		
	560	7.467	0.925	100	1.214988836		
	600	8.000	0.920	102	1.232145738		
	640	8.533	0.915	105	1.261032361		
	680	9.067	0.909	107	1.277559010		
	720	9.600	0.904	112	1.329414873		
	760	10.133	0.899	115	1.356970960		
	800	10.667	0.893	118	1.384106878		
	840	11.200	0.888	120	1.399162936		
	880	11.733	0.883	125	1.448707869		
	920	12.267	0.877	127	1.462993617		
	960	12.800	0.872	128	1.465549646		
	1000	13.333	0.867	130	1.479345196		
	1040	13.867	0.861	132	1.492860634		
	1080	14.400	0.856	130	1.481137871		
	1120	14.933	0.851	129	1.440864714		
	1160	15.467	0.845	128	1.420731614		

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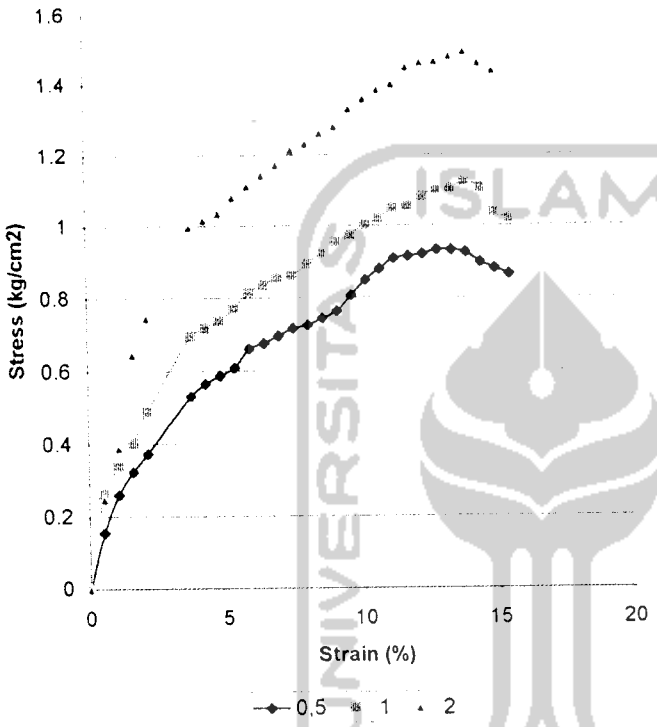
TRIAXIAL COMPRESION TEST RESULT
UNCONSOLIDATED UNDRAINED (TXUU)

Project : Tugas Akhir
Location : Salaman, Magelang, Jawa Tengah
Description of soil : Clay

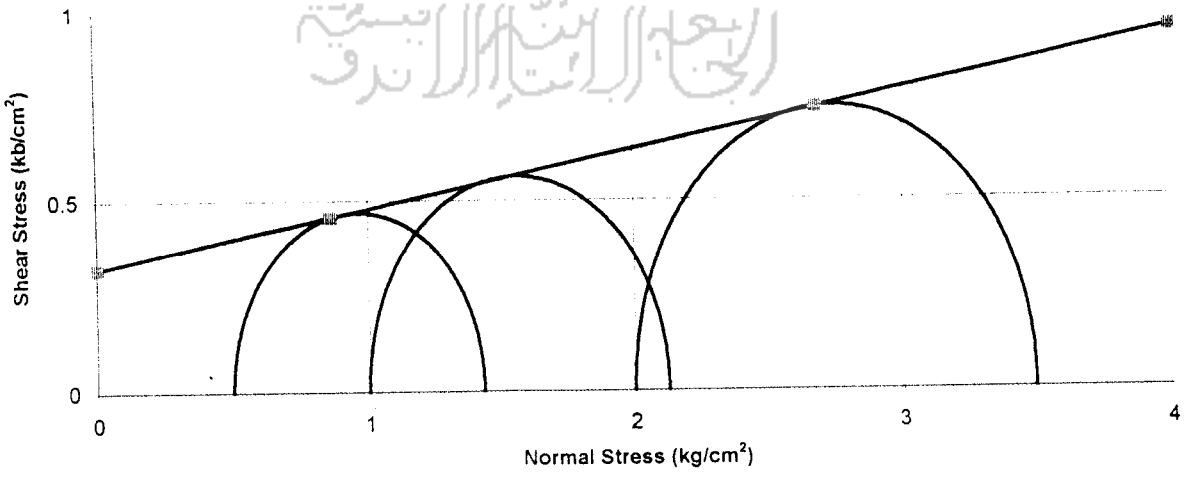
Sampel : Clay + 0.5% Ijuk 3cm + 2% Lime
Date : 6 Juni 2004
Tested by : Ujang + Mariza



Piece No :	1	2	3
H cm	7.5	7.5	7.5
D cm	4	4	4
A cm²	12.57	12.57	12.57
V cm³	94.25	94.25	94.25
Wt gram	150.00	153.00	154.00
Water Content			
Wt Container (cup), gr		21.65	22.05
Wt of Cup + Wet soil, gr		60.25	56.70
Wt of Cup + Dry soil, gr		48.45	46.10
Water Content %		44.03	44.07
Averege water content %		44.05	

γd gram/cm³	1.591549	1.62338	1.633991
γd gram/cm³	1.104841	1.126938	1.134303

σ_3	0.5	1	2
$\Delta\sigma$ = P/A	0.933143	1.1253	1.492861
$\sigma_1 = \Delta\sigma + \sigma_3$	1.433143	2.1253	3.492861
$(\sigma_1+\sigma_3)/2$	0.966571	1.56265	2.74643
$(\sigma_1-\sigma_3)/2$	0.466571	0.56265	0.74643
Angle of shearing resistence (o)			9.023193
Apperen cohesion (kg/cm²)			0.317789



LABORATORIUM MEKANIKA TANAH
FAKULTAS TEKNIK SIPIL DAN PERENCANAAN
UNIVERSITAS ISLAM INDONESIA
Jl. Kaliurang KM. 14,4 Telp. (0274) 895042, 895707 fax 895330 Yogyakarta 55584.

TRIAXIAL COMPRESION TEST LOADING DATA

Project : Tugas Akhir
Location : Salaman, Magelang, Jawa Tengah
Description of soil : Clay

Sampel : Clay + 0.5% Ijuk 3cm + 4% Lime
Date : 11 Juni 2004
Tested by : Ujang + Mariza

Type of test apparatus		Dimension of test piece	Hight	H cm	7.50
No. Of cell			Diameter	D cm	4.00
No. of Proving ring			Cross area	A cm²	12.5664
Coeff. proving ring K =	0.165		Volume	V cm³	94.2478
k = K / A	0.013130		Wight	W gram	146.00
Cell pessure	0.50	Rate of compression : 0.5 %	Wet density	gr/cm³	1.5491

Time	Strain			Reading of proving ring		Pore pressure	
	Axial deformation	Strain				u	
		%			kg/cm²	kg/cm²	kg/cm²
0	0	0	1	0	0		
	40	0.533	0.995	12	0.156723056		
	80	1.067	0.989	20	0.259804529		
	120	1.600	0.984	26	0.335925155		
	160	2.133	0.979	32	0.411205443		
	200	2.667	0.973	42	0.536765961		
	240	3.200	0.968	45	0.571955119		
	280	3.733	0.963	46	0.581443937		
	320	4.267	0.957	50	0.628502870		
	360	4.800	0.952	53	0.662501549		
	400	5.333	0.947	56	0.696080059		
	440	5.867	0.941	59	0.729238400		
	480	6.400	0.936	61	0.749686627		
	520	6.933	0.931	64	0.782074658		
	560	7.467	0.925	68	0.826192408		
	600	8.000	0.920	74	0.893909653		
	640	8.533	0.915	80	0.960786560		
	680	9.067	0.909	85	1.014883326		
	720	9.600	0.904	87	1.032670482		
	760	10.133	0.899	90	1.061977273		
	800	10.667	0.893	92	1.079134176		
	840	11.200	0.888	95	1.107670657		
	880	11.733	0.883	96	1.112607644		
	920	12.267	0.877	98	1.128924209		
	960	12.800	0.872	100	1.144960661		
	1000	13.333	0.867	101	1.149337422		
	1040	13.867	0.861	102	1.153574126		
	1080	14.400	0.856	105	1.180149819		
	1120	14.933	0.851	104	1.161627366		
	1160	15.467	0.845	102	1.132145505		

LABORATORIUM MEKANIKA TANAH
FAKULTAS TEKNIK SIPIL DAN PERENCANAA
UNIVERSITAS ISLAM INDONESIA
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TRIAXIAL COMPRESION TEST LOADING DATA

Project : Tugas Akhir
Location : Salaman, Magelang, Jawa Tengah
Description of soil : : Clay
Sampel : Clay + 0.5% Ijuk 3cm + 4% Lime
Date : 11 Juni 2004
Tested by : Ujang + Mariza

Type of test apparatus		Dimension of test piece	Hight	H cm	7.50
No. Of cell			Diameter	D cm	4.00
No. of Proving ring			Cross area	A cm²	12.5664
Coeff. proving ring K =	0.165		Volume	V cm³	94.2478
k = K / A	0.0131303		Wight	W gram	147.00
Cell pessure	1.00	Rate of compression : 0.5%	Wet densit	gr/cm³	1.5597

Time	Strain			Reading of proving ring		Pore pressure	
	Axial deformation	Strain				u	
		%			kg/cm²	kg/cm²	kg/cm²
0	0	0	1	0	0		
	40	0.533	0.995	16	0.2089641		
	80	1.067	0.989	25	0.32475566		
	120	1.600	0.984	32	0.41344634		
	160	2.133	0.979	39	0.50115663		
	200	2.667	0.973	49	0.62622695		
	240	3.200	0.968	54	0.68634614		
	280	3.733	0.963	57	0.72048488		
	320	4.267	0.957	60	0.75420344		
	360	4.800	0.952	66	0.82500193		
	400	5.333	0.947	68	0.84524007		
	440	5.867	0.941	70	0.8651981		
	480	6.400	0.936	71	0.87258607		
	520	6.933	0.931	75	0.91649374		
	560	7.467	0.925	80	0.97199107		
	600	8.000	0.920	82	0.99054853		
	640	8.533	0.915	87	1.04485538		
	680	9.067	0.909	92	1.09846195		
	720	9.600	0.904	98	1.16323801		
	760	10.133	0.899	101	1.1917745		
	800	10.667	0.893	105	1.23162053		
	840	11.200	0.888	107	1.24758695		
	880	11.733	0.883	110	1.27486293		
	920	12.267	0.877	112	1.2901991		
	960	12.800	0.872	115	1.31670476		
	1000	13.333	0.867	117	1.33141068		
	1040	13.867	0.861	120	1.35714603		
	1080	14.400	0.856	124	1.39370074		
	1120	14.933	0.851	122	1.36267826		
	1160	15.467	0.845	122	1.35413482		

LABORATORIUM MEKANIKA TANAH
FAKULTAS TEKNIK SIPIL DAN PERENCANAAN
UNIVERSITAS ISLAM INDONESIA
Jl. Kaliurang KM. 14,4 Telp. (0274) 895042, 895707 fax 895330 Yogyakarta 55584.

TRIAXIAL COMPRESION TEST LOADING DATA

Project : Tugas Akhir
Location : Salaman, Magelang, Jawa Tengah
Description of soil : Clay

Sampel : Clay + 0.5% Ijuk 3cm + 4% Lime
Date : 11 Juni 2004
Tested by : Ujang + Mariza

Type of test apparatus		Dimension of test piece	Hight	H cm	7.50
No. Of cell			Diameter	D cm	4.00
No. of Proving ring			Cross area	A cm²	12.5664
Coeff. proving ring K =	0.165		Volume	V cm³	94.2478
k = K / A	0.01313		Wight	W gram	150.00
Cell pessure	2.00	Rate of compression : 0.5 %	Wet density	gr/cm³	1.5915

Time	Strain			Reading of proving ring		Pore pressure	
	Axial deformation	Strain				u	
		%			kg/cm²	kg/cm²	kg/cm²
0	0	0	1	0	0		
	40	0.533	0.995	19	0.248144838		
	80	1.067	0.989	30	0.389706794		
	120	1.600	0.984	39	0.503887733		
	160	2.133	0.979	45	0.578257655		
	200	2.667	0.973	50	0.639007097		
	240	3.200	0.968	78	0.991388873		
	280	3.733	0.963	84	1.061767189		
	320	4.267	0.957	90	1.131305166		
	360	4.800	0.952	98	1.225002865		
	400	5.333	0.947	100	1.243000106		
	440	5.867	0.941	110	1.359597017		
	480	6.400	0.936	115	1.413343641		
	520	6.933	0.931	120	1.466389984		
	560	7.467	0.925	124	1.506586156		
	600	8.000	0.920	127	1.534142243		
	640	8.533	0.915	130	1.561278161		
	680	9.067	0.909	135	1.611873517		
	720	9.600	0.904	140	1.661768592		
	760	10.133	0.899	141	1.663764395		
	800	10.667	0.893	144	1.689079580		
	840	11.200	0.888	148	1.725634287		
	880	11.733	0.883	151	1.750039106		
	920	12.267	0.877	155	1.785543391		
	960	12.800	0.872	157	1.797588237		
	1000	13.333	0.867	158	1.797973392		
	1040	13.867	0.861	161	1.820837591		
	1080	14.400	0.856	162	1.820802577		
	1120	14.933	0.851	160	1.787119025		
	1160	15.467	0.845	159	1.764815051		

FAKULTAS TEKNIK SIPIL DAN PERENCANAAN
JL.KALIURANG KM.14,4 TELP.895042
EMAIL : FTSP.UII.AC.ID JOGJAKARTA KODE POS 55584

FM-UII-AA-FPU-09

KARTU PESERTA TUGAS AKHIR

NO.	N A M A	NO. MHS.	BID.STUDI
1	Ujang Sadikin	99 511 195	Teknik Sipil
2	Mariza Stella	99 511 297	Teknik Sipil

JUDUL TUGAS AKHIR :

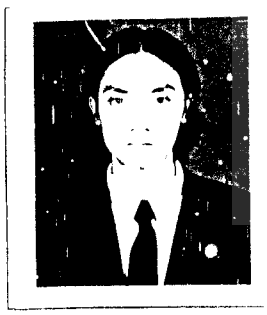
Analisis penambahan ijuk dan kapur sebagai bahan stabilisator tanah lempung untuk subgrade jalan

PERIODE II : DESEMBER - MEI

TAHUN : 2003- 2004

No.	Kegiatan	Bulan Ke :					
		Des.	Jan.	Peb.	Mar.	Apr.	Mei.
1.	Pendaftaran						
2.	Penentuan Dosen Pembimbing						
3.	Pembuatan Proposal						
4.	Seminar Proposal						
5.	Konsultasi Penyusunan TA.						
6.	Sidang-Sidang						
7.	Pendadaran.						

DOSEN PEMBIMBING I : Edy Purwanto,DR.Ir,CES,DEA
DOSEN PEMBIMBING II : Akhmad Marzuko,Ir,MT...



Yogyakarta, 9 Pebruari 2004
a.n. Dekan,

Ir.H Munadhir,MT

Catatan.

Seminar : .....
Sidang : .....
Pendadaran : .....

Setiap kali mahasiswa konsultasi dosen pembimbing diminta untuk selalu menanyakan KRS Mahasiswa yang bersangkutan yang didalamnya harus tercantum SKS TA (tugas Akhir), bila SKS TA tidak tercantum maka dosen tidak boleh melayani konsultasi mahasiswa yang bersangkutan

EMAIL : FTSP.UII.AC.ID JOGJAKARTA KODE POS 55584

UNTUK MAHASISWA

KARTU PESERTA TUGAS AKHIR

NO	N A M A	NO.MHS.	BiD.STUDI
1.	Ujang Sadikin	99 511 195	Teknik Sipil
2.	Mariza Stella	99 511 297	Teknik Sipil

JUDUL TUGAS AKHIR

Analisis penambahan ijuk dan kapur sebagai bahan stabilisator tanaj lempung untuk subgrade jalan

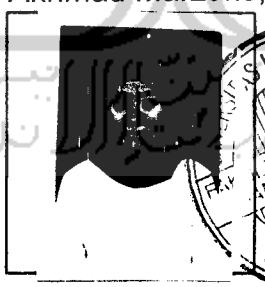
PERIODE II : DESEMBER – MEI

TAHUN : 2003 - 2004

No.	Kegiatan	Bulan Ke :					
		Des.	Jan.	Peb.	Mar.	Apr.	Mei.
1	Pendaftaran						
2	Penentuan Dosen Pembimbing						
3	Pembuatan Proposal						
4	Seminar Proposal						
5	Konsultasi Penyusunan TA.						
6	Sidang - Sidang						
7	Pendadaran						

Dosen Pembimbing I : Edy Purwanto,DR,Ir,CES,DEA

Dosen Pembimbing II : Akhmad Marzuko,Ir,MT



Jogjakarta , 19.Juli.2004

a.n. Dekan

Ir.H.Munadhir, MS

Catatan :

Seminar : _____

Sidang : _____

pendadaran : _____

CATATAN KONSULTASI TUGAS AKHIR

NO	TANGGAL	CATATAN KONSULTASI	TANDA TANGAN
	2/03 '07.	- Perbaiki & lengkapi sesuai terkoreksi	
	4/03 '07	- Lengkapi setiap teori dg gambar?, photo, sketsa dsb. - Siapkan rentalu Seminar Proposal. - Temui Bp. Marzuko	
	5/3 07	Perhatikan: . Landasan teori . metode penelitian	
		Dapat semua proposal	
	13/4 2014.	Pencarian 1 3 7 hr lingkup CBR & UCS + jurnal.	
	4/06 '07.	Lanjut Ke Jenelitian & Analisis TA	
	12/7 07	° Kajian pustaka tentang nama & hasil. ° no. rumus ° hasil Ajs' dg. UCS& Trivandi ° hasil kinyasia yg pasti (rata² tdk pulu) ° sesuaikan judul, Tujuan & kesimpulan.	

CATATAN KONSULTASI TUGAS AKHIR

NO	TANGGAL	CATATAN KONSULTASI	TANDA TANGAN
1	19. 7. 2004	Bab I dilengkapi ke DP I.	
	27-7-'04	- Lengkapi dgn daftar isi, penomoran halaman, dll	
	29-7-'04	acc untuk maju Sidang hasil TA	
	8-8-'04	acc untuk uji Pendadaran	
	20-8-'04	acc untuk wisuda	

CATATAN KONSULTASI TUGAS AKHIR

NO	TANGGAL	CATATAN KONSULTASI	TANDA TANGAN
	2/03 '04.	- Perbaiki & lengkapi sesuai terkoreksi	
	4/05 '04	- Lengkapi setiap tesis dg gambar?, photo, sketsa dsb. - Siapkan rentuk Seminar Proposal. - Temui Bp. Marzuko UT	
	5/3 09	Perhatikan: . Landasan teori . metode penelitian	
		Dapat semua proposal	
	13/4 2014.	Pencarian 1 3 7 hr lindungi dr CSR & UGS lanjutkan + jual.	
	4/06 '09.	Lanjutkan penelitian & tulis TA	
	2/7 04	° kajian pustaka judul nama & hasil. ° no. rumus	

° hasil dsj dr. UCSB Triasmi.
° hasil konsusia yg pasti (rata² tdl perlu).
° sesuaikan judul, Tujuan & kesimpulan.