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LAMPIRAN

REKAP PEMERIKSAAN TANAH LUNAK RENCANA DI LABORATORIUM

No.	Jenis Pengujian Lab	Satuan	Hasil	Keterangan
A. Index Physical Properties				
1	Kadar Air Rencana	%	54.00	
2	Berat Jenis (GS)		2.73	
3	Berat Isi	gr/cc		
4	Angka Pori, ('e)			
	Derajat Kejenuhan (Sr)			
5	Analisa Saringan			
6	Batas Atterberg :			
	Plastic Limit, wp(%)	%	19.60	USCS Classification : CH
	Liquid Limit, wL(%)	%	54.50	Lempung anorganis dan
	Plastic Index, Ip=wL-Ip	%	34.90	tanah subur dengan
	Shrinkage Limit (Batas Susut)	%	21.383	plastis tinggi
B. Mechanical & Hydrolic Properties				
1	Unconfined Compression Test (UCT)) = qu	ton /ft2	0.36	Tanah Lunak
	(Kuat Tekan Bebas)	kg/cm2	0.033	Tanah Lunak
2	Direct Shear Test (Kuat Geser) ϕ	derajat	16°46'	
	C (kohesi tanah)	kg/cm2	1.0014	
3	Kompaksi (γ_{dry})	gr/cm3	1.08	
	(γ_{wet})	gr/cm3	1.66	

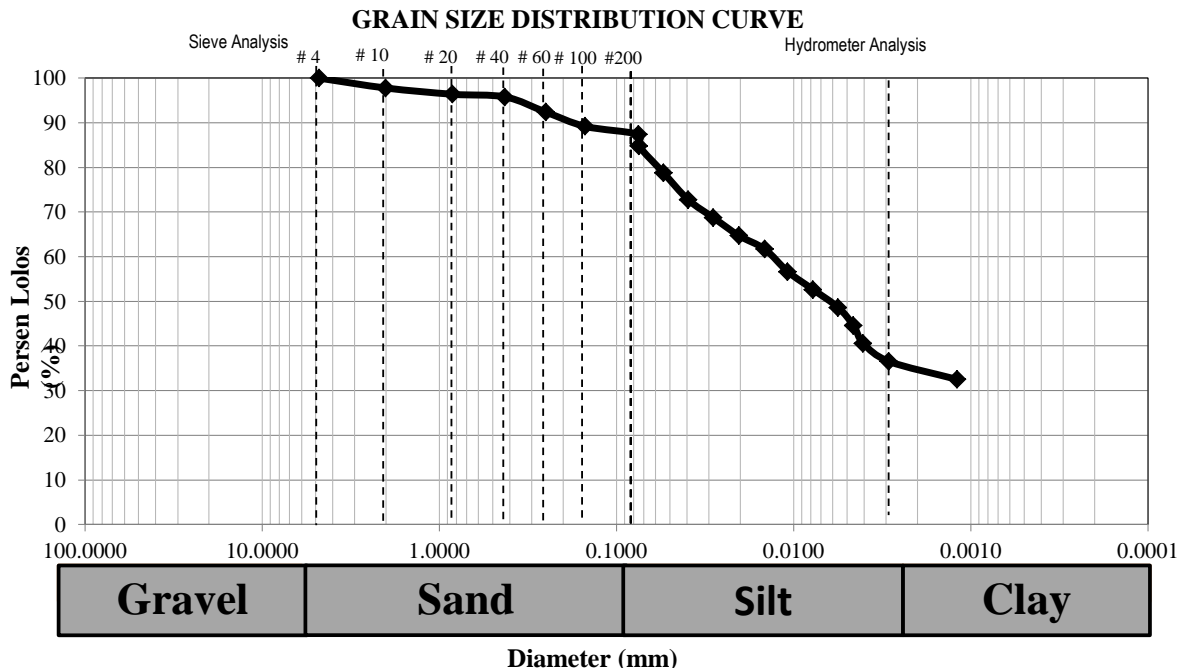
TEST RESULTS OF GRAIN-SIZE ANALYSIS

(Sieve-Mechanical and Hydrometer Methods)

PROJECT : PENELITIAN S-3
 LOCATION :
 TESTING METHOD : ASTM D-421, AASTHO T-87, T-88
 LABORATORY : SOIL MECHANICS FT.UH
 TESTING BY : Idhil Maming & Yongky
 DATE : Januari 2020



Berat Tanah Kering :		500		gr		Spec. Gravity, G _s :		2.623		T :		28.0 °C	
Analisa Saringan						Analisa Hidrometer							
Saringan No.	Diameter (mm)	Berat Tertahan (Gram)	Berat Kumulatif (gram)	Persen Tertahan (%)	Persen Lolos (%)	Waktu (menit)	R	R _{cp} = R + Ft + Fz	% Finer = ((a x R _{cp} / W _s) x 100%)	R _{eL} = R + F _m	L (cm)	A	D = A√L/t (mm)
4	4.75	0	0	0	100	0.25	42.00	42.15	84.83	43.00	9.20	0.0123	0.07462
10	2	11	11	2.2	97.8	0.5	39.00	39.15	78.79	40.00	9.70	0.0123	0.05418
20	0.84	7	18	3.6	96.4	1	36.00	36.15	72.75	37.00	10.20	0.0123	0.03928
40	0.425	3	21	4.2	95.8	2	34.00	34.15	68.73	35.00	10.60	0.0123	0.02832
60	0.25	17	38	7.6	92.4	4	32.00	32.15	64.70	33.00	10.90	0.0123	0.02030
100	0.15	16	54	10.8	89.2	8	30.50	30.65	61.68	31.50	11.15	0.0123	0.01452
200	0.075	9	63	12.6	87.4	15	28.00	28.15	56.65	29.00	11.50	0.0123	0.01077
Pan	-	437	500	100	0	30	26.00	26.15	52.63	27.00	11.90	0.0123	0.00775
						60	24.00	24.15	48.60	25.00	12.40	0.0123	0.00559
						90	22.00	22.15	44.58	23.00	12.50	0.0123	0.00458
						120	20.00	20.15	40.55	21.00	12.90	0.0123	0.00403
						240	18.00	18.15	36.53	19.00	13.20	0.0123	0.00288
						1440	16.00	16.15	32.50	17.00	13.50	0.0123	0.00119
Berat jenis air terhadap temperatur, g _{wet} T						= 0.99267							
faktor, K = (1000 x G _s x g _{wet} T) / (10 x W _s (G _s - 1))						= 3.2086							
Faktor K _t = f(G _s , T)						= 0.0123							
Temperatur Correction (F _t) = -4.85 + 0.25 T						= 2.15							
Zero Correction (F _z)						= 2.0							
Meniscus correction (F _m)						= 1							
G _s Correction						= 1.01							



DOKUMENTASI UJI LABORATORIUM

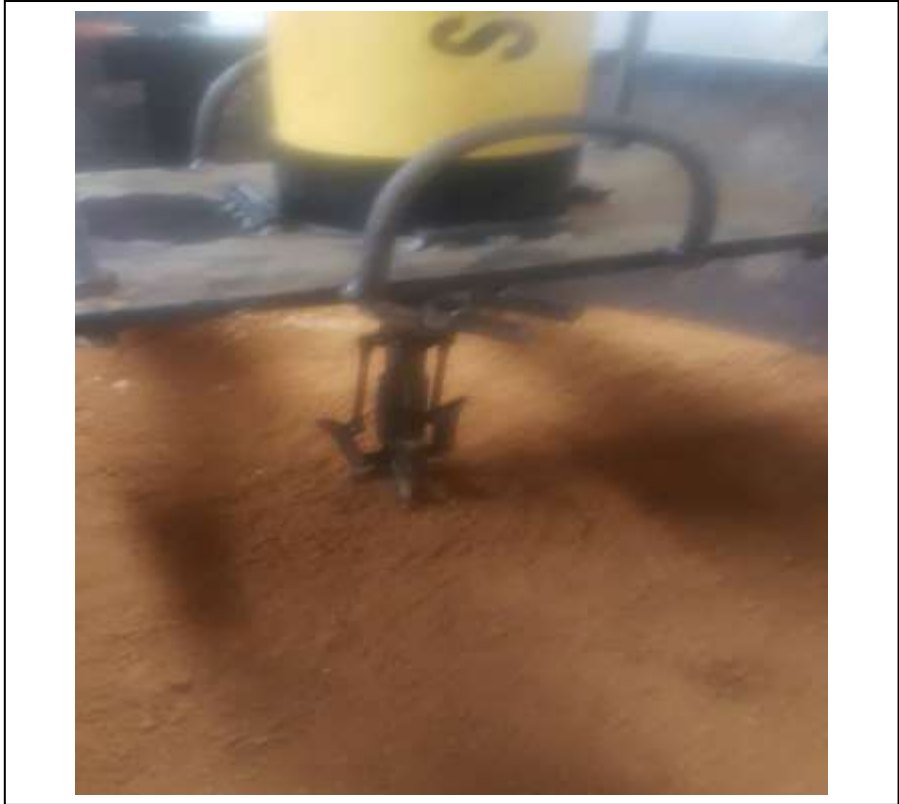
**FOTO KEGIATAN UJI LABORATORIUM
PENELITIAN DISERTASI**

**UJI MODEL KAPASITAS TARIK
ANGKUR TANAH TYPE LIPAT (FOLDING TYPE)
PADA TANAH KOHESIF**











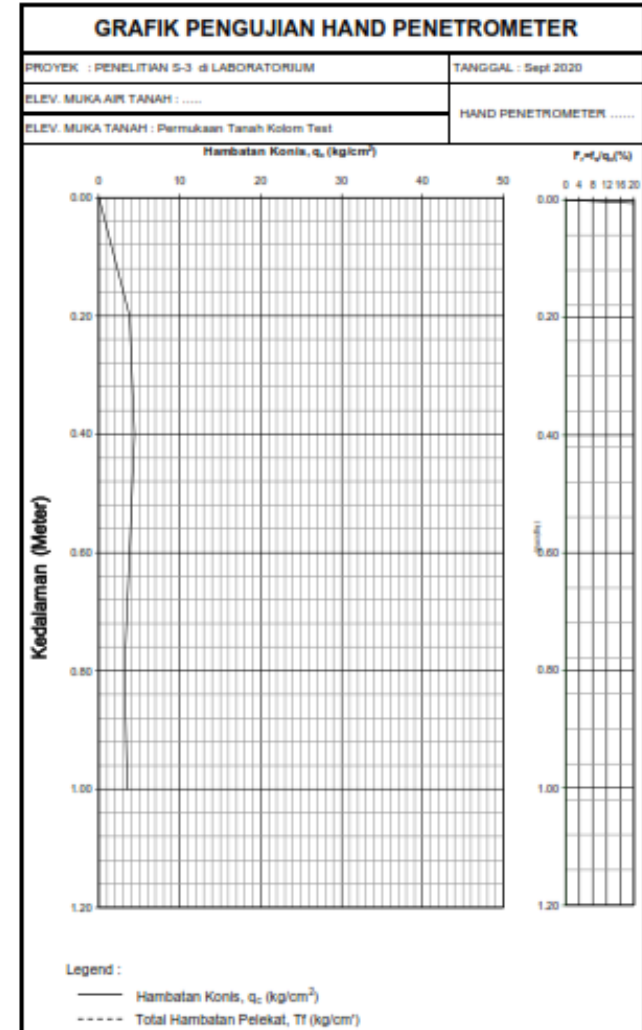
HASIL UJI HAND PENETROMETER

	1 KN/m ² =	0.010197	Kg/cm ²			
Dia. Konus H.Penotremeter=		0.000645	m ²			
	Prov. Ring	0.01 mm	= 1 KN			

Depth	Dial	Load	qc		Ket.
20 cm	24	0.24 KN	372.093 KN/m ²	3.794 kg/cm ²	Sangat Lunak
40 cm	28	0.28 KN	434.109 KN/m ²	4.427 kg/cm ²	Sangat Lunak
60 cm	24	0.24 KN	372.093 KN/m ²	3.794 kg/cm ²	Sangat Lunak
80 cm	20	0.2 KN	310.078 KN/m ²	3.162 kg/cm ²	Sangat Lunak
100 cm	22	0.22 KN	341.085 KN/m ²	3.478 kg/cm ²	Sangat Lunak



LAMPIRAN : B



**DOKUMENTASI
UJI SKALA PENUH
LAPANGAN**







