SOIL MECHANIC LABORATORY
FACULTY OF CIVIL ENGINEERING AND PLANING
INDONESIAN ISLAMIC UNIVERSITY
Jl. Kaliurang KM. 14,4 Telp. (0274) 895042 Yogyakarta 55584.

UJI GESER LANGSUNG UU

Proyek	:	Tugas Akhir
Lokasi Tanah	:	Tembilahan, Riau
Kode sampel	:	Tanah Gambut + 15% *Gypsum* (Sampel 1)
Dikerjakan	:	Aldesra Azria Lisananda
Tanggal	:	2 Juli 2018

Data Sampel	
Diameter (cm)	6
Luas (cm^2)	28.27433
Tinggi (cm)	2
Volume (cm^3)	56.54867
Berat cincin (gr)	43.07

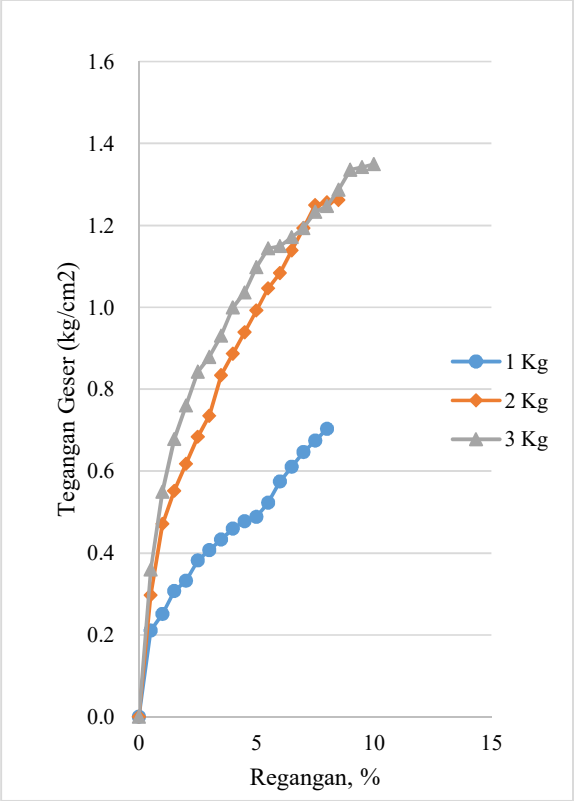
kalibrasi ring = 0.44 kg/div

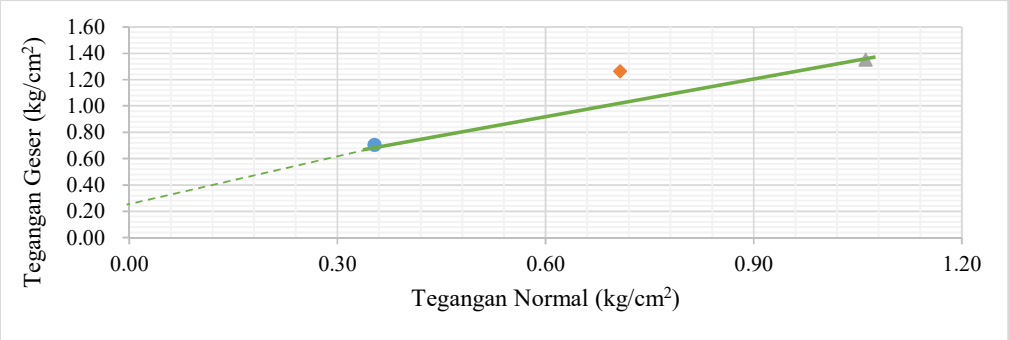
Kadar air			
Berat Cawan, gr	9.2	8.95	8.99
Berat Cawan + Tanah Basah,gr	13.59	14.16	16.07
Berat Cawan + Tanah Kering, gr	11.76	11.98	13.14
Kadar Air, %	71.484	71.9472	70.6024
Kadar Air Rata-rata, %	71.3447		

Berat tanah + ring, gr	90.46	90.88	90.87
Berat volume (gr/cm^3)	0.838	0.84547	0.84529
Berat volume kering(gr/cm^3)	0.4887	0.4917	0.49547

Tegangan Normal σn (kg/cm^2)	0.3537	0.70736	1.06103
Tegangan geser maks τ (kg/cm^2)	0.7031	1.26173	1.3493

Sudut geser φ	42.4140	°
Kohesi	0.3800	kg/cm^2





Mengetahui,
Kepala lab. Mekanika Tanah
Universitas Islam Indonesia

(**Ir. Akhmad Marzuko, M.T.**)

Yogyakarta, 13 Agustus 2018
Peneliti,

(**Aldesra Azria Lisananda**)