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 Asli (Proctor) Sampel 1
Dikerjakan	:	Aldesra Azria Lisananda
Tanggal	:	11 Mei 2018

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

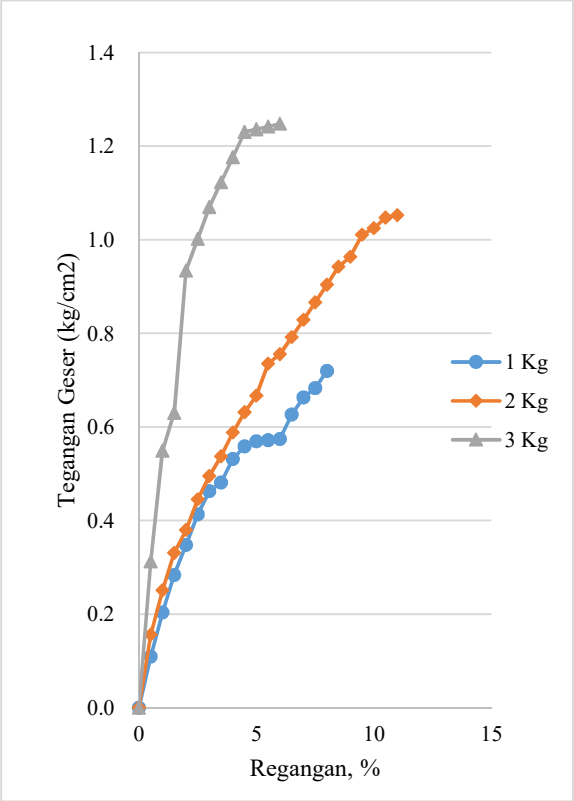
kalibrasi ring = 0.44 kg/div

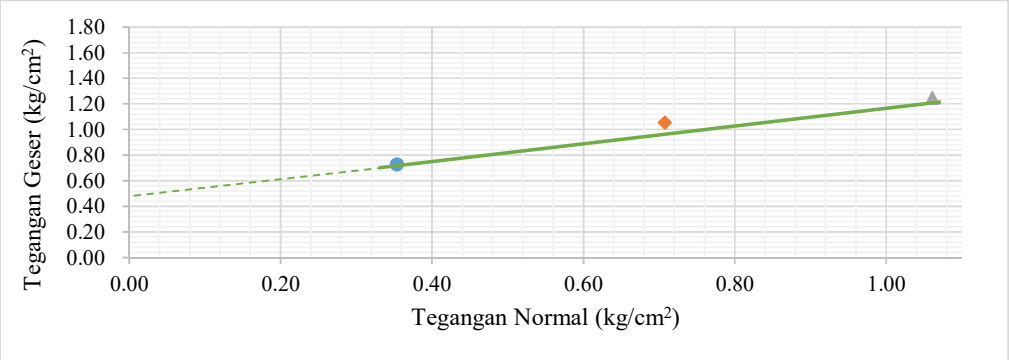
Kadar air			
Berat Cawan, gr	5.67	5.69	5.62
Berat Cawan + Tanah Basah,gr	14.97	11.63	10.83
Berat Cawan + Tanah Kering, gr	11.15	9.17	8.68
Kadar Air, %	69.708	70.6897	70.2614
Kadar Air Rata-rata, %	70.220		

Berat tanah + ring, gr	90.05	90.52	90.34
Berat volume (gr/cm^3)	0.8308	0.8391	0.83592
Berat volume kering(gr/cm^3)	0.4895	0.49159	0.49096

Tegangan Normal σn (kg/cm^2)	0.3537	0.70736	1.06103
Tegangan geser maks τ (kg/cm^2)	0.727	1.05269	1.24787

Sudut geser φ	36.3659	°
Kohesi	0.4666	kg/cm^2





Mengetahui,
Kepala lab. Mekanika Tanah
Universitas Islam Indonesia

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

Yogyakarta, 13 Agustus 2018
Peneliti,

(**Aldesra Azria Lisananda**)