



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 2)
 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

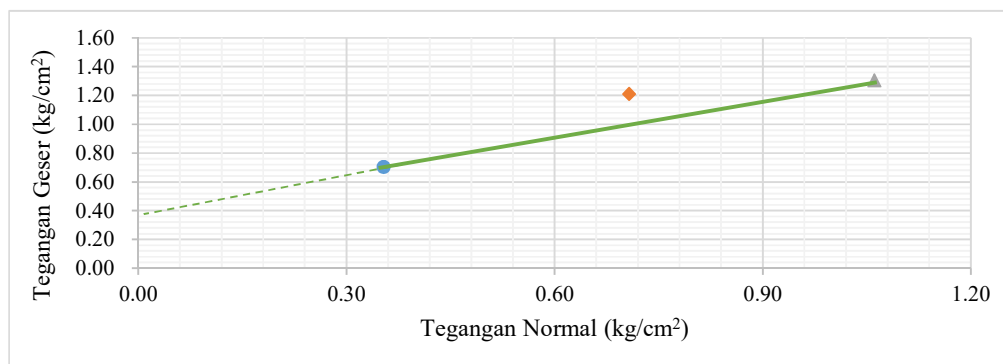
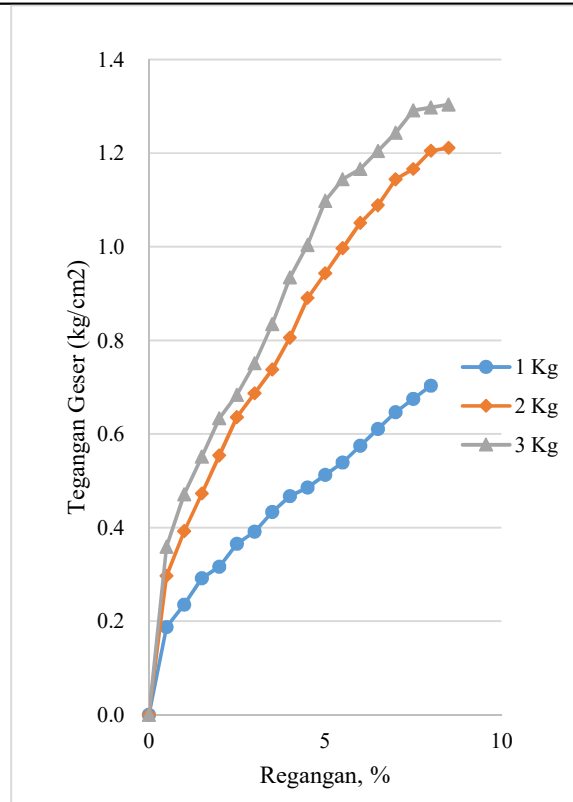
kalibrasi ring = 0.44 kg/div

Kadar air			
Berat Cawan, gr	9.25	5.65	5.49
Berat Cawan + Tanah Basah, gr	14.18	13.27	12.19
Berat Cawan + Tanah Kering, gr	12.13	10.1	9.4
Kadar Air, %	71.181	71.236	71.3555
Kadar Air Rata-rata, %	71.257		

Berat tanah + ring, gr	90.03	90.55	90.72
Berat volume (gr/cm ³)	0.8304	0.83963	0.84264
Berat volume kering (gr/cm ³)	0.4851	0.49034	0.49175

Tegangan Normal σ_n (kg/cm ²)	0.3537	0.70736	1.06103
Tegangan geser maks τ (kg/cm ²)	0.7031	1.21126	1.30378

Sudut geser ϕ	40.3389	°
Kohesi	0.4027	kg/cm ²



Mengetahui,
 Kepala lab. Mekanika Tanah
 Universitas Islam Indonesia

(Ir. Akhmad Marzuko, M.T.)

Yogyakarta, 13 Agustus 2018
 Peneliti,

(Aldesra Azria Lisananda)