



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 + 12% Gypsum (Sampel 2)
 Dikerjakan : Aldesra Azria Lisananda
 Tanggal : 22 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

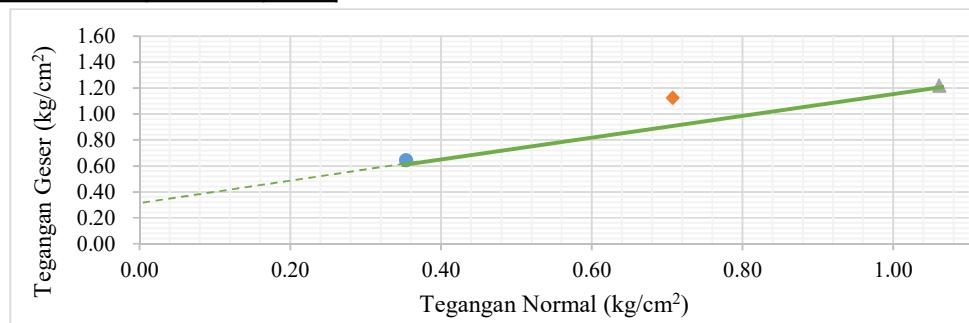
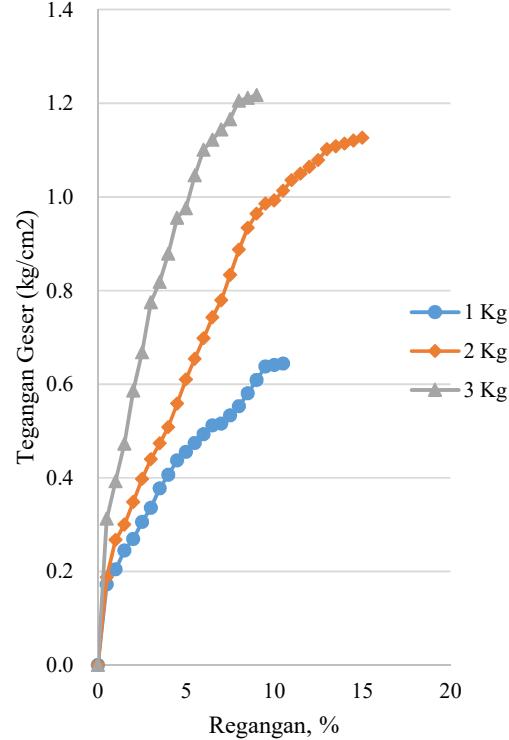
kalibrasi ring = 0.44 kg/div

Kadar air			
Berat Cawan, gr	5.69	5.59	5.68
Berat Cawan + Tanah Basah,gr	15.29	16.5	14
Berat Cawan + Tanah Kering, gr	11.32	11.94	10.59
Kadar Air, %	70.515	71.811	69.4501
Kadar Air Rata-rata, %	70.592		

Berat tanah + ring, gr	92.77	92.79	92.48
Berat volume (gr/cm ³)	0.8789	0.87924	0.87376
Berat volume kering(gr/cm ³)	0.5154	0.51175	0.51564

Tegangan Normal σ_n (kg/cm ²)	0.3537	0.70736	1.06103
Tegangan geser maks τ (kg/cm ²)	0.6438	1.1264	1.21733

Sudut geser ϕ	39.0357	°
Kohesi	0.3570	kg/cm ²



Mengetahui,
 Kepala lab. Mekanika Tanah
 Universitas Islam Indonesia

(Ir. Akhmad Marzuko, M.T.)

Yogyakarta, 13 Agustus 2018
 Peneliti,

(Aldesra Azria Lisananda)