

Lampiran 15. Rekapitulasi Hasil Pengujian Geser Langsung



LABORATORIUM MEKANIKA TANAH
JURUSAN TEKNIK SIPIL
FAKULTAS TEKNIK SIPIL DAN PERENCANAAN
UNIVERSITAS ISLAM INDONESIA

Jalan Kaliurang KM 14,4 Telp (0274) 8905042, 895707 fax 895330 Yogyakarta 55584

PENGUJIAN GESER LANGSUNG (*DIRECT SHEAR TEST*)
ASTM D 3080

Proyek : Tugas Akhir
 Lokasi : Desa Gunungcondong, Kec. Bruno, Kab. Purworejo, Prov. Jawa Tengah
 Dikerjakan : Anggit Prima Yuda
 Tanggal : 8 Juni 2018
 Sampel : Tanah Asli dengan Bahan Stabilisasi

| Pemeraman | Variasi | Kohesi | | | Sudut Geser Dalam | | |
|-----------|---|--------------------|----------|-----------|-------------------|----------|-----------|
| | | kg/cm ² | | | ° | | |
| | | Sampel 1 | Sampel 2 | Rata-Rata | Sampel 1 | Sampel 2 | Rata-Rata |
| | Tanah Asli | 0,712 | 0,775 | 0,743 | 36,221 | 35,993 | 36,107 |
| 1 Hari | Tanah Asli + 1,5% MgCO ₃ | 0,915 | 1,029 | 0,972 | 38,174 | 37,633 | 37,903 |
| | Tanah Asli + 3% Semen Portland | 1,061 | 1,180 | 1,121 | 39,848 | 40,758 | 40,303 |
| | Tanah Asli + 1,5% MgCO ₃ + 3% Semen Portland | 1,246 | 1,267 | 1,257 | 41,414 | 42,609 | 42,008 |
| | Tanah Asli + 1,5% MgCO ₃ + 5% Semen Portland | 1,360 | 1,283 | 1,322 | 45,168 | 46,688 | 45,928 |
| | Tanah Asli + 1,5% MgCO ₃ + 7% Semen Portland | 1,454 | 1,341 | 1,398 | 47,478 | 48,518 | 47,998 |
| 3 Hari | Tanah Asli + 1,5% MgCO ₃ | 1,132 | 1,289 | 1,211 | 39,694 | 38,821 | 39,256 |
| | Tanah Asli + 3% Semen Portland | 1,367 | 1,282 | 1,324 | 41,844 | 42,664 | 42,246 |
| | Tanah Asli + 1,5% MgCO ₃ + 3% Semen Portland | 1,507 | 1,430 | 1,468 | 43,534 | 43,572 | 43,552 |
| | Tanah Asli + 1,5% MgCO ₃ + 5% Semen Portland | 1,561 | 1,484 | 1,523 | 47,496 | 47,641 | 47,563 |
| | Tanah Asli + 1,5% MgCO ₃ + 7% Semen Portland | 1,630 | 1,539 | 1,584 | 48,466 | 49,247 | 48,856 |
| 7 Hari | Tanah Asli + 1,5% MgCO ₃ | 1,359 | 1,307 | 1,333 | 42,552 | 41,929 | 42,240 |
| | Tanah Asli + 3% Semen Portland | 1,437 | 1,387 | 1,412 | 45,570 | 46,254 | 45,912 |
| | Tanah Asli + 1,5% MgCO ₃ + 3% Semen Portland | 1,525 | 1,557 | 1,541 | 47,304 | 47,265 | 47,282 |
| | Tanah Asli + 1,5% MgCO ₃ + 5% Semen Portland | 1,593 | 1,677 | 1,635 | 50,956 | 49,576 | 50,263 |
| | Tanah Asli + 1,5% MgCO ₃ + 7% Semen Portland | 1,700 | 1,759 | 1,729 | 51,379 | 51,590 | 51,485 |

Mengetahui,
Kepala Lab. Mekanika Tanah

Yogyakarta, 21 Juli 2018
Peneliti

(Ir. Akhmad Marzuko, M.T.)

(Anggit Prima Yuda)