

LAMPIRAN

Lampiran 1. Analisis Ragam

1a. Bobot isi tanah

| Sumber keragaman | db | JK | KT | Fhit | F5% | s.e.d |
|------------------|----|----------|----------|-------|---------|-------|
| LUS | 4 | 0.421332 | 0.105333 | 11.64 | <.001** | 0.039 |
| Kedalaman_cm | 3 | 0.081585 | 0.027195 | 3.01 | 0.042* | 0.035 |
| LUS.Kedalaman_cm | 12 | 0.057724 | 0.00481 | 0.53 | 0.88tn | 0.078 |
| Ulangan | 2 | 0.098653 | 0.049326 | 5.45 | | |
| Galat | 38 | 0.343878 | 0.009049 | | | |
| Total | 59 | 1.003172 | | | | |

Keterangan: **) Sangat nyata *) nyata tn) Tidak nyata

1b. Bobot jenis

| Sumber keragaman | db | Jk | KT | Fhit | F5% | s.e.d |
|------------------|----|---------|---------|------|---------|-------|
| LUS | 4 | 0.59197 | 0.14799 | 6.31 | <.001** | 0.063 |
| Kedalaman_cm | 3 | 0.14978 | 0.04993 | 2.13 | 0.112tn | 0.056 |
| LUS.Kedalaman_cm | 12 | 0.26758 | 0.0223 | 0.95 | 0.509tn | 0.125 |
| Ulangan | 2 | 0.0127 | 0.00635 | 0.27 | | |
| Galat | 38 | 0.89075 | 0.02344 | | | |
| Total | 59 | 1.91278 | | | | |

Keterangan: **) Sangat nyata *) nyata tn) Tidak nyata

1c. Porositas

| Sumber keragaman | db | Jk | KT | Fhit | F5% | s.e.d |
|------------------|----|---------|--------|------|---------|-------|
| LUS | 4 | 418.54 | 104.64 | 4.69 | 0.004* | 1.927 |
| Kedalaman_cm | 3 | 207.19 | 69.06 | 3.1 | 0.038* | 1.724 |
| LUS.Kedalaman_cm | 12 | 306.7 | 25.56 | 1.15 | 0.354tn | 3.855 |
| Ulangan | 2 | 171.36 | 85.68 | 3.84 | | |
| Galat | 38 | 847 | 22.29 | | | |
| Total | 59 | 1950.79 | | | | |

Keterangan: **) Sangat nyata *) nyata tn) Tidak nyata

1d. DMR

| Sumber keragaman | db | Jk | KT | Fhit | F5% | s.e.d |
|------------------|----|---------|--------|------|---------|-------|
| LUS | 4 | 4.2397 | 1.0599 | 1.34 | 0.273tn | 0.363 |
| Kedalaman_cm | 3 | 0.3778 | 0.1259 | 0.16 | 0.923tn | 0.325 |
| LUS.Kedalaman_cm | 12 | 2.273 | 0.1894 | 0.24 | 0.995tn | 0.726 |
| Ulangan | 2 | 2.2139 | 1.1069 | 1.4 | | |
| Galat | 38 | 30.0583 | 0.791 | | | |
| Total | 59 | 39.1627 | | | | |

Keterangan: **) Sangat nyata *) nyata tn) Tidak nyata

1e. Makroporositas

| Sumber keragaman | db | Jk | KT | Fhit | F5% | s.e.d |
|------------------|----|----------|---------|--------|---------|-------|
| LUS | 4 | 33.603 | 8.401 | 1.92 | 0.126tn | 0.853 |
| Kedalaman_cm | 3 | 1705.549 | 568.516 | 130.14 | <.001** | 0.763 |
| LUS.Kedalaman_cm | 12 | 85.69 | 7.141 | 1.63 | 0.123tn | 1.707 |
| Ulangan | 2 | 6.366 | 3.183 | 0.73 | | |
| Galat | 38 | 166.009 | 4.369 | | | |
| Total | 59 | 1997.217 | | | | |

Keterangan: **) Sangat nyata *) nyata tn) Tidak nyata

1f. Tebal Serasah

| Sumber keragaman | db | Jk | KT | Fhit | F5% | s.e.d |
|------------------|----|---------|---------|------|---------|--------|
| LUS | 4 | 2,03477 | 0,50869 | 7,72 | 0,007** | 0,2096 |
| Ulangan | 2 | 0,05744 | 0,02872 | 0,44 | | |
| Galat | 8 | 0,52709 | 0,06589 | | | |
| Total | | | | | | |

Keterangan: **) Sangat nyata *) nyata tn) Tidak nyata

1g. Biomassa Serasah

| Sumber keragaman | db | Jk | KT | Fhit | F5% | s.e.d |
|------------------|----|--------|--------|------|--------|--------|
| LUS | 4 | 3,2143 | 0,8036 | 6,34 | 0,013* | 0,2907 |
| Ulangan | 2 | 0,0086 | 0,0043 | 0.03 | | |
| Galat | 8 | 1,0141 | 0,1268 | | | |
| Total | 14 | 4,237 | | | | |

Keterangan: **) Sangat nyata *) nyata tn) Tidak nyata

Lampiran 2. Korelasi antar variabel pengamatan

| | BI g cm ⁻³ | Bj g cm ⁻³ | Porositas (%) | Indeks DMR (mm) | %pasir | %Debu | %Liat | c-organik (%) | Makroporositas | tebal serasah (cm) |
|--------------------------------|--------------------------|--------------------------|------------------|-----------------------|--------|-------|-------|------------------|----------------|--------------------------|
| BI g cm ⁻³ | 1.00 | | | | | | | | | |
| Bj g cm ⁻³ | 0.87 | 1.00 | | | | | | | | |
| Porositas% | -0.95 | -0.67 | 1.00 | | | | | | | |
| DMR (mm) | 0.43 | 0.21 | -0.59 | 1.00 | | | | | | |
| %pasir | -0.88 | -0.82 | 0.82 | -0.62 | 1.00 | | | | | |
| %Debu | 0.75 | 0.78 | -0.67 | 0.74 | -0.90 | 1.00 | | | | |
| %Liat | -0.06 | -0.25 | 0.02 | -0.53 | 0.19 | -0.60 | 1.00 | | | |
| C-organik (%) | -0.96 | -0.70 | 0.99 | -0.53 | 0.84 | -0.66 | -0.06 | 1.00 | | |
| Makroporositas (%) | -0.80 | -0.51 | 0.84 | -0.16 | 0.61 | -0.27 | -0.51 | 0.88 | 1.00 | |
| Tebal serasah (cm) | -0.25 | -0.22 | 0.14 | 0.54 | 0.16 | 0.26 | -0.86 | 0.26 | 0.62 | 1.00 |
| Serasah (Mg ha ⁻¹) | -0.34 | -0.11 | 0.36 | 0.30 | 0.19 | 0.25 | -0.92 | 0.45 | 0.81 | 0.91 |

Keterangan: 0 = tidak ada korelasi; 0,00 - 0,25 = korelasi lemah; 0,25 - 0,55 = korelasi sedang; 0,55 - 0,75 = korelasi kuat; 0,75 - 0,99 = korelasi sangat kuat; 1 = korelasi sempurna, nilai +/- menunjukkan korelasi positif atau negatif (Usman, 2000).

Lampiran 3. Dokumentasi Penelitian



1. Alat pengukuran makroporositas



2. Pemberian *Methylene Blue*



3. Contoh plot pengamatan (Mahoni+talas)



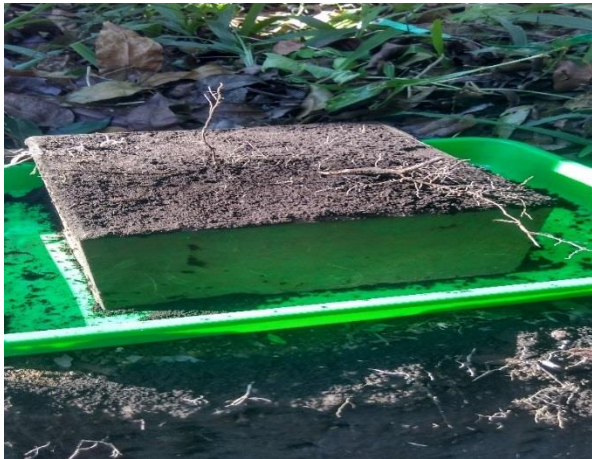
4. Penuangan *methylene blue* pada bingkai besi



5. Penggambaran pada plastik mika



6. Sebaran *Methylene blue* pada tanah

Lanjutan Lampiran 37. Sebaran *Methylene blue*8. Sebaran *Methylene blue* pada perakaran

9. Pengambilan sampel tanah (Bi, tekstur, C-organik)



10. Pengeringan sampel agregat



11. Pengukuran C-organik



12. Pengukuran agregat metode DMR

Lanjutan Lampiran 3

13. Analisis Tekstur tanah



14. Hasil analisis tekstur tanah