

DAFTAR PUSTAKA

- Akmal, Elman, A., Marwan, Mutmainna, & Raharjo, S. (2015). Penggunaan pupuk di grow terhadap pertumbuhan dan kualitas karaginan rumput laut *Kappaphycus sp. Octopus*, 4(1), 327–336.
- Anastasia, I., Izatti, M., & Suedy, S. W. A. (2014). Pengaruh Pemberian Kombinasi Pupuk Organik Padat dan Organik Cair Terhadap Porositas Tanah dan Pertumbuhan Tanaman Bayam (*Amarantus tricolor L.*). *Jurnal Akademika Biologi*, 3(2), 1–10. <https://ejournal3.undip.ac.id/index.php/biologi/article/view/19439>
- Edy, A., Sari, R. P. K., & Pujisiswanto, H. (2021). Pengaruh Dosis Pupuk Organik Bio-Slurry Cair Dan Waktu Aplikasi Terhadap Pertumbuhan Dan Hasil Tanaman Jagung (*Zea mays L.*). *Jurnal Agrotropika*, 20(1), 17. <https://doi.org/10.23960/ja.v20i1.4755>
- Fadilah, H. F., Kusuma, M. N., & Afrianisa, R. D. (2019). Pemanfaatan bioslurry dari digester biogas menjadi pupuk organik cair. *Seminar Nasional Sains Dan Teknologi Terapan VII 2019*, 70, 513–518.
- Fahmi, N., & Ainun Marliah, dan. (2014). Effect of Organic and Inorganic Fertilizer on Growth and Yield of Soybean (*Glycine max (L.) Merrill*). *J. Floratek*, 9, 53–62.
- Herliana, I., Suryatmana, P., Hindersah, R., & Noviardi, R. (2020). Pengaruh Penambahan Top Soil Inceptisol Dan Kompos Pada Tailing Amalgamasi Terhadap Panjang Sultur, Diameter Sultur Dan Jumlah Cabang Tanaman Ubi Jalar (*Ipomoea batatas L.*). *Jurnal Tanah Dan Sumberdaya Lahan*, 8(1), 161–168. <https://doi.org/10.21776/ub.jtisl.2021.008.1.19>
- Hidayat, F., Syarovy, M., Pradiko, I., & Rahutomo, S. (2020). Aplikasi Kotoran Sapi untuk Perbaikan Sifat Kimia Tanah dan Pertumbuhan Vegetatif Bibit Kelapa Sawit (*Elaeis guineensis Jacq.*) pada Media Sub Soil. *Jurnal Penelitian Kelapa Sawit*, 28(1), 51–58. <https://doi.org/10.22302/iopri.jur.jpks.v28i1.107>
- Kurniawan et.al., (2018). *Penggunaan Pupuk Hayati Pada Media Campuran Gambut Dan Sub Soil Terhadap Pertumbuhan Bibit Kelapa Sawit Di Pre Nursery*.3(1).<http://journal.instiperjogja.ac.id/index.php/JAI/article/view/460/435>
- Madusari, S., Lilian, G., & Rahhutami, R. (2021). Karakterisasi Pupuk Organik Cair Keong Mas (*Pomaceae canaliculata L.)* Dan Aplikasinya Pada Bibit Kelapa Sawit (*Elaeis guineensis Jacq.)*. *Teknologi*, 13(2), 141–152.
- Nasution, M. H., Mahbub, I. A., Gani, Z., Pertanian, F., Jambi, U., & Darat, M. (2015). *Respon Pertumbuhan Bibit Kakao* (. 1–8.
- Nasution, S., Hanum, C., & Ginting, J. (2014). Pertumbuhan Bibit Kelapa Sawit (*Elaeis Guineensis Jacq.*) Pada Berbagai Perbandingan Media Tanam Solid

- Decanter Dan Tandan Kosong Kelapa Sawit Pada Sistem Single Stage. *Jurnal Agroekoteknologi Universitas Sumatera Utara*, 2(2), 98564. <https://doi.org/10.32734/jaet.v2i2.7076>
- Neli, S., Jannah, N., & Rahmi, A. (2016). Pengaruh Pupuk Organik Cair Nasa Dan Zat Pengaruh Tumbuh Ratu Biogen Terhadap Pertumbuhan Dan Hasil Tanaman Terung (*Solanum Melongena L.*) Varietas Antaboga-1. *Jurnal Agrifor*, XV, 297–308.
- Nugrahini, T. (2013). Respon Tanaman Bawang Merah (*Allium Ascolonicum L.*) Varietas Tuk Tuk Terhadap Pengaturan Jarak Tanam Dan Konsentrasi Pupuk Organik Cair Nasa. *Ziraa'Ah Majalah Ilmiah Pertanian*, 36(1), hal.60-65. <https://doi.org/10.31602/zmip.v36i1.27>
- Nur, T., Noor, A. R., & Elma, M. (2018). Pembuatan Pupuk Organik Cair Dari Sampah Organik Rumah Tangga Dengan Bioaktivator Em4 (Effective Microorganisms). *Konversi*, 5(2), 5. <https://doi.org/10.20527/k.v5i2.4766>
- Purba, J. H. V, & Sipayung, T. (2017). Perkebunan Kelapa Sawit Indonesia dalam Perspektif Pembangunan Berkelanjutan. *Jurnal Ilmu-Ilmu Sosial Indonesia*, 43(1), 81–94.
- Rahmah, A., Izzati, M., & Parman, S. (2014). The effect of liquid organic fertilizer based on waste based on passage (*Brassica chinensis L.*) on the growth of sweet corn (*Zea mays L. var. Saccharata*). *Buletin Anatomi Dan Fisiologi*, XXII(1), 65–71.
- Rizki, R. (2017). Respon Pertumbuhan Bibit Mangrove *Rhizophora Apiculata* B1 pada Media Tanah Topsoil. *Jurnal Bioconchetta*, 3(2), 41–54. <https://doi.org/10.22202/bc.2017.v3i2.2769>
- Romansyah, E., Karyanik, K., Fitrah, M., & Saharudin, M. (2020). Karakteristik Fisik Kompos Tablet Slow Release Berbahan Dasar Bioslury Kotoran Sapi. *Jurnal Agrotek Ummat*, 7(2), 94. <https://doi.org/10.31764/jau.v7i2.2948>
- RR Darlita, R. D., Joy, B., & Sudirja, R. (2017). Analisis Beberapa Sifat Kimia Tanah Terhadap Peningkatan Produksi Kelapa Sawit pada Tanah Pasir di Perkebunan Kelapa Sawit Selangkun. *Agrikultura*, 28(1), 15–20. <https://doi.org/10.24198/agrikultura.v28i1.12294>
- Rukmana, S. T. E., Mayub, A., & Medriati, R. (2019). Prototype Alat Pendeteksi Dan Pengusir Tikus Pada Pembibitan Kelapa Sawit Berbasis Arduino Uno. *Jurnal Kumparan Fisika*, 2(1), 9–16. <https://doi.org/10.33369/jkf.2.1.9-16>
- Safurudin, S., & Rohana, R. (2020). Pengaruh Berbagai Jenis Media Tanam Dan Warna Naungan Terhadap Pertumbuhan Bibit Jahe Merah (*Zingiber officinale* var. *Rubrum*) DI *Seminar Nasional Multi Disiplin Ilmu ...*, September, 1068–1086. <http://jurnal.una.ac.id/index.php/semnasmudi/article/view/1632%0Ahttp://jurnal.una.ac.id/index.php/semnasmudi/article/download/1632/1348>

- SITIO, Y., WIJANA, G., & RAKA, I. G. N. (2016). Pemanfaatan Tandan Kosong Kelapa Sawit Dan Pupuk Nitrogen Sebagai Substitusi Top Soil Terhadap Pertumbuhan Bibit Kelapa Sawit (*Elaeis Guineensis* Jacq.) Periodepre Nursery. *E-Jurnal Agroekoteknologi Tropika (Journal of Tropical Agroecotechnology)*, 4(4), 264–273.
- Syafruddin, S., Nurhayati, N., & Wati, R. (2012). Pengaruh jenis pupuk terhadap pertumbuhan dan hasil beberapa varietas jagung manis. *Jurnal Floratek*, 107–114. <http://www.jurnal.unsyiah.ac.id/floratek/article/view/524>
- T. Rosmawaty, Zulkifli, & Mardani. (2021). Pengaruh Jarak Tanam Dan Pemberian Pupuk Organik Cair Di Grow Terhadap Pertumbuhan Dan Hasil Tanaman Bawang Dayak (*Eleutherine americana* Merr). *Dinamika Pertanian*, 35(1), 17–24. [https://doi.org/10.25299/dp.2019.vol35\(1\).7682](https://doi.org/10.25299/dp.2019.vol35(1).7682)
- Waruwu, F., Simanihuruk, B. W., Prasetyo, P., & Hermansyah, H. (2018). Pertumbuhan Bibit Kelapa Sawit Di Pre-Nursery Dengan Komposisi Media Tanam Dan Konsentrasi Pupuk Cair *Azolla Pinnata* Berbeda. *Jurnal Ilmu-Ilmu Pertanian Indonesia*, 20(1), 7–12. <https://doi.org/10.31186/jipi.20.1.7-12>
- Widyaningtyas, D., & Widodo, T. (2017). Analisis Pangsa Pasar Dan Daya Saing Cpo Indonesia Di Uni Eropa. *Jurnal Manajemen Daya Saing*, 18(2), 138. <https://doi.org/10.23917/dayasaing.v18i2.4510>
- Yanto, K. (2016). Utilization Of Organic Liquid Fertilizer To Growth Oil Palm (*Elaeis Guineensis* Jacq.) Seedling In Main Nursery. *Bulletin of the Seismological Society of America*, 106(1), 6465–6489. <http://www.bssaonline.org/content/95/6/2373%5Cnhttp://www.bssaonline.org/content/95/6/2373.short%0Ahttp://www.bssaonline.org/cgi/doi/10.1785/0120110286%0Ahttp://gji.oxfordjournals.org/cgi/doi/10.1093/gji/ggv142%0Ahttp://link.springer.com/10.1007/s00024-01>

LAMPIRAN

Lampiran 1. Tabel anova Pengaruh Aplikasi Pupuk Organik Cair (Poc) Terhadap Bibit Kelapa Sawit *Pre Nursery* Pada Bagian Lapisan Tanah *top soil* dan *sub soil* pada tinggi tanaman

Tests of Between-Subjects Effects

Dependent Variable: TINGGI_TANAMAN

Source	Type III Sum of Squares	df	Mean Square	F hitung	Sig.	F tabel	keterangan
Corrected Model	205.025 ^a	7	29.289	1.386	.277		
Intercept	18205.042	1	18205.042	861.539	.000		
POC	102.218	3	34.073	1.612	.226	3,24	TN
LAPISAN_TANAH	2.042	1	2.042	.097	.760	4,49	TN
POC * LAPISAN_TANAH	100.765	3	33.588	1.590	.231	3,24	TN
Error	338.093	16	21.131				
Total	18748.160	24					
Corrected Total	543.118	23					

Sig > 0.05 (tidak berbeda nyata)

Sig < 0,05 (berbeda nyata)

TINGGI_TANAMAN

Duncan^{a,b}

POC	N	Subset
		1
P3	6	25.533
P2	6	26.467
P0	6	27.200
P1	6	30.967
Sig.		.076

Means for groups in homogeneous subsets are displayed.

Based on observed means.

The error term is Mean

Square(Error) = 21.131.

a. Uses Harmonic Mean Sample

Size = 6.000.

b. Alpha = ,05.

Lampiran 2. Tabel anova Pengaruh Aplikasi Pupuk Organik Cair (Poc) Terhadap Bibit Kelapa Sawit Pre Nursery Pada Bagian Lapisan Tanah *top soil* dan *sub soil* pada jumlah daun

Tests of Between-Subjects Effects

Dependent Variable: JUMLAH_DAUN

Source	Type III Sum of Squares	df	Mean Square	F hitung	Sig.	F tabel	keterangan
Corrected Model	1.239 ^a	7	.177	.590	.754		
Intercept	453.186	1	453.186	1510.621	.000		
POC	.360	3	.120	.400	.755	3,24	TN
LAPISAN_TANAH	.480	1	.480	1.601	.225	4,49	TN
POC * LAPISAN_TANAH	.360	3	.120	.400	.755	3,24	TN
Error	4.500	15	.300				
Total	467.000	23					
Corrected Total	5.739	22					

Sig > 0.05 (tidak berbeda nyata)

Sig < 0,05 (berbeda nyata)

JUMLAH_DAUN

Duncan^{a,b,c}

POC	N	Subset
		1
P2	6	4.33
P3	5	4.40
P0	6	4.50
P1	6	4.67
Sig.		.358

Means for groups in homogeneous subsets are displayed.

Based on observed means.

The error term is Mean

Square(Error) = .300.

a. Uses Harmonic Mean Sample Size = 5.714.

b. The group sizes are unequal. The harmonic mean of the group sizes is used. Type I error levels are not guaranteed.

c. Alpha = .05.

Lampiran 3. Tabel anova Pengaruh Aplikasi Pupuk Organik Cair (Poc) Terhadap Bibit Kelapa Sawit Pre Nursery Pada Bagian Lapisan Tanah top soil dan sub soil pada panjang daun

Tests of Between-Subjects Effects

Dependent Variable: PANJANG_DAUN

Source	Type III Sum of Squares	df	Mean Square	F Hitung	Sig.	F Tabel	Keterangan
Corrected Model	170.480 ^a	7	24.354	2.654	.050		
Intercept	10296.184	1	10296.184	1121.996	.000		
POC	77.171	3	25.724	2.803	.073	3,24	TN
LAPISAN_TANAH	13.054	1	13.054	1.422	.250	4,49	TN
POC * LAPISAN_TANAH	80.255	3	26.752	2.915	.066	3,24	TN
Error	146.827	16	9.177				
Total	10613.490	24					
Corrected Total	317.306	23					

Sig > 0.05 (tidak berbeda nyata)

Sig < 0,05 (berbeda nyata)

PANJANG_DAUN

Duncan^{a,b}

POC	N	Subset	
		1	2
P0	6	18.433	
P3	6	20.083	20.083
P2	6	20.933	20.933
P1	6		23.400
Sig.		.194	.090

Means for groups in homogeneous subsets are displayed.

Based on observed means.

The error term is Mean Square(Error) = 9.177.

a. Uses Harmonic Mean Sample Size = 6.000.

b. Alpha = .05.

Lampiran 4. Tabel anova Pengaruh Aplikasi Pupuk Organik Cair (Poc) Terhadap Bibit Kelapa Sawit Pre Nursery Pada Bagian Lapisan Tanah *top soil* dan *sub soil* pada diameter batang

Tests of Between-Subjects Effects

Dependent Variable: DIAMETER_BATANG

Source	Type III Sum of Squares	df	Mean Square	F Hitung	Sig.	F Tabel	Keterangan
Corrected Model	2774.062 ^a	7	396.295	1.295	.314		
Intercept	150552.864	1	150552.864	492.022	.000		
POC	1674.252	3	558.084	1.824	.183	3,24	TN
LAPISAN_TANAH	145.731	1	145.731	.476	.500	4,49	TN
POC * LAPISAN_TANAH	954.079	3	318.026	1.039	.402	3,24	TN
Error	4895.813	16	305.988				
Total	158222.740	24					

DIAMETER_BATANG

Duncan^{a,b}

POC	N	Subset
		1
P0	6	65.6433
P3	6	79.3333
P2	6	84.3333
P1	6	87.5000
Sig.		.062

Means for groups in homogeneous subsets are displayed.

Based on observed means.

The error term is Mean

Square(Error) = 305.988.

a. Uses Harmonic Mean Sample

Size = 6.000.

b. Alpha = ,05.

Lampiran 5. Tabel anova Pengaruh Aplikasi Pupuk Organik Cair (Poc) Terhadap Bibit Kelapa Sawit Pre Nursery Pada Bagian Lapisan Tanah *top soil* dan *sub soil* pada panjang akar

Tests of Between-Subjects Effects

Dependent Variable: PANJANG_AKAR

Source	Type III Sum of Squares	df	Mean Square	F Hitung	Sig.	F Tabel	Keterangan
Corrected Model	201.980 ^a	7	28.854	.756	.630		
Intercept	15728.640	1	15728.640	412.244	.000		
POC	147.070	3	49.023	1.285	.313	3,24	TN
LAPISAN_TANAH	34.560	1	34.560	.906	.355	4,49	TN
POC * LAPISAN_TANAH	20.350	3	6.783	.178	.910	3,24	TN
Error	610.460	16	38.154				
Total	16541.080	24					
Corrected Total	812.440	23					

Sig > 0.05 (tidak berbeda nyata)

Sig < 0,05 (berbeda nyata)

PANJANG_AKAR

Duncan^{a,b}

POC	N	Subset
		1
P1	6	22.6000
P2	6	23.9167
P3	6	27.0167
P0	6	28.8667
Sig.		.124

Means for groups in homogeneous subsets are displayed.

Based on observed means.

The error term is Mean

Square(Error) = 38.154.

a. Uses Harmonic Mean Sample

Size = 6.000.

Lampiran 6. Tabel anova Pengaruh Aplikasi Pupuk Organik Cair (Poc) Terhadap Bibit Kelapa Sawit Pre Nursery Pada Bagian Lapisan Tanah top soil dan sub soil pada volume akar

Tests of Between-Subjects Effects

Dependent Variable: VOLUME_AKAR

Source	Type III Sum of Squares	df	Mean Square	F Hitung	Sig.	F Tabel	Keterangan
Corrected Model	7.833 ^a	7	1.119	.280	.953		
Intercept	580.167	1	580.167	145.042	.000		
POC	4.500	3	1.500	.375	.772	3,24	TN
LAPISAN_TANAH	1.500	1	1.500	.375	.549	4,49	TN
POC * LAPISAN_TANAH	1.833	3	.611	.153	.926	3,24	TN
Error	64.000	16	4.000				
Total	652.000	24					
Corrected Total	71.833	23					

Sig > 0.05 (tidak berbeda nyata)

Sig < 0,05 (berbeda nyata)

VOLUME_AKAR

Duncan^{a,b}

POC	N	Subset
		1
P2	6	4.3333
P0	6	4.6667
P3	6	5.3333
P1	6	5.3333
Sig.		.438

Means for groups in homogeneous subsets are displayed.

Based on observed means.

The error term is Mean

Square(Error) = 4.000.

a. Uses Harmonic Mean Sample

Size = 6.000.

b. Alpha = ,05.

Lampiran 7. Tabel anova Pengaruh Aplikasi Pupuk Organik Cair (Poc) Terhadap Bibit Kelapa Sawit Pre Nursery Pada Bagian Lapisan Tanah top soil dan sub soil pada berat basah akar

Tests of Between-Subjects Effects

Dependent Variable: BERAT_BASAH_AKAR

Source	Type III Sum of Squares	df	Mean Square	F Hitung	Sig.	F tabel	Keterangan
Corrected Model	2.588 ^a	7	.370	.337	.925		
Intercept	183.707	1	183.707	167.437	.000		
POC	1.524	3	.508	.463	.712	3,24	TN
LAPISAN_TANAH	.341	1	.341	.311	.585	4,49	TN
POC * LAPISAN_TANAH	.723	3	.241	.220	.881	3,24	TN
Error	17.555	16	1.097				
Total	203.849	24					
Corrected Total	20.143	23					

Sig > 0.05 (tidak berbeda nyata)

Sig < 0,05 (berbeda nyata)

BERAT_BASAH_AKAR

Duncan^{a,b}

POC	N	Subset
		1
P0	6	2.4900
P2	6	2.5417
P1	6	2.9950
P3	6	3.0400
Sig.		.415

Means for groups in homogeneous subsets are displayed.

Based on observed means.

The error term is Mean

Square(Error) = 1.097.

a. Uses Harmonic Mean Sample

Size = 6.000.

Lampiran 8. Tabel anova Pengaruh Aplikasi Pupuk Organik Cair (Poc) Terhadap Bibit Kelapa Sawit Pre Nursery Pada Bagian Lapisan Tanah top soil dan sub soil pada berat kering akar

Tests of Between-Subjects Effects

Dependent Variable: BERAT_KERING_AKAR

Source	Type III Sum of Squares	df	Mean Square	F Hitung	Sig.	F Tabel	Keterangan
Corrected Model	3548.345 ^a	7	506.906	.322	.933		
Intercept	77827.870	1	77827.870	49.408	.000		
POC	1240.514	3	413.505	.263	.851	3,24	TN
LAPISAN_TANAH	227.797	1	227.797	.145	.709	4,49	TN
POC * LAPISAN_TANAH	2080.034	3	693.345	.440	.727	3,24	TN
Error	25203.310	16	1575.207				
Total	106579.525	24					
Corrected Total	28751.654	23					

Sig > 0.05 (tidak berbeda nyata)

Sig < 0,05 (berbeda nyata)

BERAT_KERING_AKAR

Duncan^{a,b}

POC	N	Subset
		1
P2	6	45.2167
P1	6	57.7167
P3	6	60.3583
P0	6	64.4917
Sig.		.451

Means for groups in homogeneous subsets are displayed.

Based on observed means.

The error term is Mean

Square(Error) = 1575.207.

a. Uses Harmonic Mean Sample

Size = 6.000.

b. Alpha = ,05.

Lampiran 9. Tabel anova Pengaruh Aplikasi Pupuk Organik Cair (Poc) Terhadap Bibit Kelapa Sawit Pre Nursery Pada Bagian Lapisan Tanah top soil dan sub soil pada berat basah tajuk

Tests of Between-Subjects Effects

Dependent Variable: BERAT_BASAH_TAJUK

Source	Type III Sum of Squares	df	Mean Square	F	Sig.	F tabel	Keterangan
Corrected Model	42.703 ^a	7	6.100	2.037	.113		
Intercept	960.262	1	960.262	320.691	.000		
POC	29.408	3	9.803	3.274	.049	3.24	N
LAPISAN_TANAH	.479	1	.479	.160	.695	4.49	tn
POC * LAPISAN_TANAH	12.816	3	4.272	1.427	.272	3.24	tn
Error	47.910	16	2.994				
Total	1050.874	24					
Corrected Total	90.613	23					

Sig > 0.05 (tidak berbeda nyata)

Sig < 0,05 (berbeda nyata)

BERAT_BASAH_TAJUK

Duncan^{a,b}

POC	N	Subset	
		1	2
P0	6	4.9000	
P2	6	5.9600	5.9600
P3	6	6.4683	6.4683
P1	6		7.9733
Sig.		.155	.073

Means for groups in homogeneous subsets are displayed.

Based on observed means.

The error term is Mean Square(Error) = 2.994.

a. Uses Harmonic Mean Sample Size = 6.000.

b. Alpha = ,05.

Lampiran 10. Tabel anova Pengaruh Aplikasi Pupuk Organik Cair (Poc) Terhadap Bibit Kelapa Sawit Pre Nursery Pada Bagian Lapisan Tanah top soil dan sub soil pada berat kering tajuk

Tests of Between-Subjects Effects

Dependent Variable: BERAT_KERING_TAJUK

Source	Type III Sum of Squares	df	Mean Square	F Hitung	Sig.	F Tabel	Keterangan
Corrected Model	2.774 ^a	7	.396	1.383	.278		
Intercept	69.871	1	69.871	243.892	.000		
POC	2.186	3	.729	2.544	.093	3,24	TN
LAPISAN_TANAH	.000	1	.000	.000	.985	4,49	TN
POC * LAPISAN_TANAH	.587	3	.196	.683	.575	3,24	TN
Error	4.584	16	.286				
Total	77.229	24					
Corrected Total	7.358	23					

Sig > 0.05 (tidak berbeda nyata)

Sig < 0,05 (berbeda nyata)

BERAT_KERING_TAJUK

Duncan^{a,b}

POC	N	Subset
		1
P0	6	1.3617
P2	6	1.4583
P3	6	1.9367
P1	6	2.0683
Sig.		.050

Means for groups in homogeneous subsets are displayed.

Based on observed means.

The error term is Mean

Square(Error) = .286.

a. Uses Harmonic Mean Sample

Size = 6.000.

b. Alpha = ,05.

Lampiran 11.Matrik perlakuan

PERLAKUAN		JENIS TANAH	
		T1	T2
JENIS PUPUK	P1	T1P1	T2P1
	P2	T1P2	T2P2
	P3	T1P3	T3P3

Lampiran 12. Lay out penelitian

	P0	P1	P2	P3
T1	T1P0	T1P1	T1P2	T1P3
T2	T2P0	T2P1	T2P2	T2P3

T1P0	T2P3	T2P0
T2P0	T2P1	T2P3
T1P1	T1P3	T1P1
T2P1	T2P2	T1P3
T1P2	T1P2	T2P1
T2P2	T1P0	T1P0
T1P3	T1P1	T1P2
T2P3	T2P0	T2P2

Jenis tanah :

T1 : *TOP SOIL*

T2 : *SUB SOIL*

Jenis Pupuk Organik :

P0 : Kontrol

P1 : *Bioslury*

P2 : *Nasa*

P3 : *Dighrow*

Lampiran 13.poto kegiatan

