DAFTAR PUSTAKA

Adam, Idi Afrili., Nasirudin, Mohamad., dan Wardhani, Yudhy. 2019. *Response of two shallots (Allium Ascolonicum L.) Varieties on provision of vermikompos organic fertilizer and an organic fertilizer*. Jurnal Agroteknologi Merdeka Pasuruan Volume 3, Nomor 2, Desember 2019, Hal. 15-21.

Ambarwati E, Prapto Y. 2003. *Keragaan stabilitas hasil bawang merah*. J Ilmu Pertanian 10 (2): 1-10.

Anjangsari, E. 2010. *Komposisi Nutrien (NPK) Hasil Vermikomposting Campuran Feses Gajah dan Seresah Menggunakan Cacing Tanah.* Skripsi Tidak diterbitkan. Surabaya: Biologi FMIPA ITS.

Azmi C, Hidayat IM, Wiguna G. 2011. *Pengaruh varietas dan ukuran umbi terhadap produktivitas bawang merah*. Jurnal Hortikultura.

Aryani, Nisya., Hendarto, Kus., Wiharso, Didin., Niswati, Ainin. 2019. *Peningkatan Produksi Bawang Merah Dan Beberapa Sifat Kimia Tanah Ultisol Akibat Aplikasi Vermikompos Dan Pupuk Pelengkap*. Journal of Tropical Upland Resources Vol. 01, No. 01, Juli 2019

Akbar H., D., N. Aini dan N. Herlina. 2018. *Pengaruh Dosis Vermikompos dan Jarak Tanam Yang Berbeda Terhadap Pertumbuhan dan Hasil Tanaman Kailan (Brassica oleraceae L. var alboglabra*. Universitas Brawijaya: Malang

Ansyar, Ihsan Azzam. 2016. *Pengaruh Vermikompos dan Mikoriza terhadap pertumbuhan dan produksi tanman Bawang Merah*. Jurusan Agroteknologi. Universitas Riau.

Awas G, Abdissa T, Tolesa K, Chli A. 2010. *Effect of intra row spacing on yield of three onion (Allium cepa L.) varieties at Adami Tulu Agricultural Research Center (mid rift valley of Ethiopia)*. J Hortic For 2: 7-11.

Basuki, RS, 2009. *Analisa kelayakan teknis dan ekonomis. Teknologi Budidaya bawang merah dari biji botani dan benih umbi bawang merah tradisional*. J. Horti.19(2):21-27.

Balitsa,2017. *Warta Hasil Penelitian. No.4. Teknologi Produksi Lipat Ganda (Proliga) BawangMerah 40 Ton/Ha Asal TSS (True Shallot Seed) Di Brebes Jawa Tengah*.

Balitsa,2018. *Warta Hasil Penelitian. No. 3 Teknologi Produksi Lipat Ganda (Proliga) BawangMerah 40 Ton/Ha Asal TSS (True Shallot Seed) Di Brebes Jawa Tengah*.

BPS, 2021. *Sulawesi Selatan dalam Angka.* Badan Pusat Statistik.Sulawesi Selatan

BPS, 2021. *Kabupaten Jeneponto dalam dalam Angka*. Badan Pusat Statistik.Kabupaten Jeneponto.

Farida, Eni., Ulpah, Saripah., Sabli, T. Edy. 2018. *Pemberian Vermikompos Dan Poc Nasa Pada Pertumbuhan Dan Produksi Bawang Merah (Allium ascalonicum L.)*. Jurnal Dinamika Pertanian Volume XXXIV Nomor 3 Desember 2018 (255–264) P ISSN 0215 – 2525 E ISSN 2549 – 7960.

Faried, M., Syam'un, E., & Mantja, K. (2021). *Pertumbuhan Biji Botani Bawang Merah (True Shallot Seed) Yang Diaplikasi Vermikompos Dan Pupuk Hayati*. *Jurnal Agrivigor*, 0*12*(2), 65-74

Fathurochim M AM, Sudihardjo, Hendrata R, Setiyono B, Mulyadi, Supriadi, Sutardi, Martini T, Kristamtini, Wisnu E, Djaafar TF. 2004. *Pengembangan Usaha tani di Lahan Pesisir DIY.* Laporan Penelitian 2004. BPTP Yogyakarta.

Fauzi, Muhammad, Hapsoh., dan Ariani, Erlida. *Pengaruh Vermikompos dan Pupuk P terhadap Pertumbuhan dan Hasil Bawang Merah (Allium ascalonicum L.).* JOM UR VOL 5 Edisi 2 Juli s/d Desember 2018.

Haryono. 2003. *Pemanfaatan Serbuk Sabut Kelapa dan Ampas Tahu sebagai Media Pakan Cacing Tanah (Lumbricus rubellus). Prosiding Temu Teknis Fungsional Non Peneliti*. Bogor. Pusat Penelitian dan Pengembangan Peternakan. 66-73.

Hawayanti, E., & Andika, R. (2018). *Pengaruh jenis pupuk organik terhadap pertumbuhan dan produksi beberapa varietas bawang merah (Allium ascalonicum L.) di Lahan Tadah Hujan*. *Klorofil: Jurnal Penelitian Ilmu-Ilmu Pertanian*, *13*(1), 42-49.

Husain, D., & Mahmudati, N. (2015). *Pengaruh jumlah cacing tanah (Lumbricus rubellus) dan waktu pengomposan terhadap kandungan NPK limbah media tanam jamur tiram sebagai bahan ajar biologi*. *JPBI (Jurnal Pendidikan Biologi Indonesia)*, *1*(1).

Kementerian Perdagangan, 2021.*Analisis Perkembangan Harga Bahan Pangan Pokok di Pasar Doimestik dan Internasional*.Jakarta

Lun. 2015. *Vermikompos Kurangi Pencemaran Lingkungan.* Penebar Swadaya.
Jakarta.

Lingga, P dan Marsono.2013. *Petunjuk Pe90nggunaan Pupuk*. Penerbit Penebar Swadaya.Jakarta.150 hal

Marpaung, Robert G., dan Laoly, Marianus. 2019. *Respon pertumbuhan dan produksi bawang merah (allium ascalonicuml) varietas tuktuk akibat pemberian vermikompos dan npk.* Jurnal agrotekda volume 3 nomor 1, 2019 (maret); 46-54

Mehran, Kesumawati E, Sufardi. 2016. *Pertumbuhan dan hasil beberapa varietas bawang merah (Allium ascalonicum L) pada tanah aluvial akibat pemberian berbagai dosis pupuk NPK*. J. Floratek 11 (2): 117-133.

Napitupulu, D dan L. Winarto. 2009. *Pengaruh pemberian pupuk N dan K terhadap pertumbuhan dan produksi Bawang Merah*. Balai Pengkajian Teknologi Pertanian sumatera Utara, J-Hort.20 (1): 27-35 2010.

Putri, Mariana, R. Sipayung dan M. Sinuraya. (2012). *Pertumbuhan dan Produksi Bawang Merah* (*Allium ascalonicum* L.) *Dengan Pemberian Vermikompos Dan Urine Domba*. Jurnal Online Agroekoteknologi, 1(1), 124-138.

Rajiv, K. S., S. Agarwal, K. Chauhan dan D. Valani. (2010). *The Wonders of Eartworms and Its Vermicompost in Farm Production: Charles Darwin's Friend of Farmers with Potential to Replace Destructive Chemical Fertilizers from Agriculture.* Agriculture Science, 1(2), 76 - 94.

Satyawibawa, I dan Y. E. Widyastuti. 1992. *Kelapa Sawit Usaha Budidaya, Pemanfaatan Hasil dan Aspek Pemasaran*. Penebar Swadaya. Jakarta.

Saidah, M. Syafrudin, Pangestuti, R., 2019. *Pertumbuhan dan hasil panen dua varietas tanaman bawang merah asal biji di kabupaten sigi, sulawesi tengah.* In *Prosiding Seminar Nasional Masyarakat Biodiversitas Indonesia*. 5(2): 213-216.

Sitompul SM, Guritno B. 1995. *Analisis Pertumbuhan Tanaman*. UGM Press. Yogyakarta.

Sumarni N, Rosliani R, Basuki RS. 2012. *Respons pertumbuhan, hasil umbi dan serapan hara NPK tanaman bawang merah terhadap berbagai dosis pemupukan NPK pada tanah alluvial*. J Hort 22 (4): 366-375.

Sutedjo, 1999. *Pupuk dan Cara Pemupukan*. Rinneka Cipt. Jakarta

Suwandi. 2014. *Budidaya bawang merah di luar musim*. badan penelitian dan pengembangan pertanian Kementrian Pertanian. Jakarta (ID): IAARD Press.

Sutedjo, M. M. 2002. *Pupuk dan Cara Pemupukan*. Rineka Cipta. Jakarta.

Rajiv, K. S., S. Agarwal, K. Chauhan dan D. Valani. (2010). *The Wonders of Eartworms and Its Vermicompost in Farm Production: Charles Darwin's Friend of Farmers with Potential to Replace Destructive Chemical Fertilizers from Agriculture*. *Agriculture Science, 1(2),* 76- 94.

LAMPIRAN

Lampiran 1. Deskripsi Bawang Merah

DESKRIPSI BAWANG MERAH VARIETAS MASERATI F1

Asal : Introduksi Belanda / Bejo Zaden B.V.
Silsilah : BR A 4 (♀) x IND B FX (♂)
Golongan varietas : Hibrida
Tinggi tanaman : 46,31 – 54,03 cm
Bentuk penampang daun : Segitiga
Warna daun : Hijau (RHS N 137 C)
Jumlah daun per umbi : 8 – 11 helai
Jumlah daun per rumpun : 22 – 32 helai
Bentuk karangan bunga : Seperti payung
Warna tangkai bunga : Hijau (RHS 139 A)
Warna kelopak bunga : Hijau (RHS 144 C)
Warna mahkota bunga : Putih (RHS NN 155 D) Umur panen (80 % batang melemas) : 76 – 89 hari setelah tanam
Bentuk umbi : Rombic bagian pangkal / bawah agak menonjol (*slightly raised*), bagian ujung datar (*flat*), bagian leher umbi sempit
Ukuran umbi : Tinggi 3,33 – 3,82 cm; Diameter 3,37 – 4,52 cm
Warna umbi : Ungu (RHS N 79 B)
Bentuk biji : Pipih agak bulat
Warna biji : Hitam (RHS 203 C)
Berat 1.000 biji : 3,30 – 3,33 gram
Berat per umbi : 24,68 – 45,88 gram
Jumlah umbi per rumpun : 2 – 5 umbi
Berat umbi per rumpun : 73,63 – 126,17 gram
Jumlah anakan : 2 – 5 anakan
Daya simpan umbi pada suhu 25 - 27^{o}C : 101 – 125 hari setelah panen Susut bobot umbi (basah – kering simpan) : 14,34 – 33,70
Hasil umbi per hektar : 24,41 – 27,98 ton
Populasi per hektar : 250.000 tanaman
Kebutuhan benih per hektar : 0,9900 – 0,9978 kg
Penciri utama : Bentuk penampang daun

		segitiga, warna daun hijau (RHS N 137 C), warna umbi ungu (RHS N 79 B), bentuk umbi *rombic*, bentuk umbi bagian pangkal / bawah agak menonjol (*slightly raised*), bentuk umbi bagian ujung datar (*flat*), lebar leher umbi sempit
Keunggulan varietas	:	Produksi per hektar tinggi, umur panen genjah, jumlah umbi per rumpun banyak, jumlah anakan banyak
Wilayah adaptasi	:	Sesuai di dataran menengah pada musim kemarau

DESKRIPSI BAWANG MERAH VARIETAS SANREN F1

Asal	:	PT. East West Seed Indonesia
Silsilah	:	BM 2408 x BM 4811
Golongan varietas	:	Hibrida
Tinggi tanaman	:	54,03 – 56,50 cm
Bentuk penampang daun	:	bulat pipih
Ukuran daun	:	panjang 46,95 – 49,50 cm, lebar 0,84 – 0,86 cm
Warna daun	:	hijau tua
Jumlah daun per umbi	:	8 – 10 helai
Jumlah daun per rumpun	:	29 – 36 helai
Bentuk karangan bunga	:	seperti payung
Warna Bunga	:	Putih
Umur mulai berbunga	:	31 – 34 hari setelah tanam
Umur panen (80% batang melemas)	:	62 – 64 hari setelah tanam
Bentuk umbi	:	Bulat
Ukuran umbi	:	tinggi 3,3 – 3,5 cm, diameter 3,4 – 3,6 cm
Warna umbi	:	Merah
Bentuk biji	:	pipih agak bulat
Warna biji	:	Hitam
Berat 1.000 biji	:	3,8 – 4,1 g
Berat per umbi	:	17,05 – 19,40 g
Jumlah umbi per rumpun	:	2 – 4 umbi
Berat umbi per rumpun	:	52,13 – 71,65 g
Jumlah anakan	:	2 – 4 anakan
Daya simpan umbi pada suhu (siang 29 – 31 ^{0}C, malam 25 – 27 ^{0}C)	:	122 – 128 hari setelah panen
Susut bobot umbi (basah-kering simpan)	:	36,7 – 39,5 %
Hasil umbi per hektar	:	23,23 – 28,14 ton
Populasi per hektar	:	460.000 – 466.667 tanaman
Kebutuhan benih per hektar	:	1,9 – 2,0 kg
Penciri utama	:	arah tumbuh batang setelah umbi agak menyamping
Keunggulan varietas	:	produksi tinggi dan ukuran umbi sedang
Wilayah adaptasi	:	beradaptasi dengan baik di dataran rendah dengan ketinggian 50 – 100 m dpl
Pemohon	:	PT. East West Seed Indonesia
Pemulia	:	Adriyanita Adin
Peneliti	:	Tukiman Misidi, Abdul Kohar, Agus Suranto, M. Taufik Hariyadi

DESKRIPSI BAWANG MERAH VARIETAS LOKANANTA

No SK Kementan	:	059/Kpts/SR/.120/D.2/6/2017
Rekomendasi Dataran	:	Rendah
Ketahanan Penyakit	:	Layu Fusarium
Umur Panen	:	65 – 70 HST
Bobot per buah	:	9-12 gram
Potensi Hasil	:	19-26 ton/Ha
Bentuk daun	:	Bulat berongga
Panjang daun	:	46-54cm
Lebar daun	:	1,22 – 1,78 cm
Warna daun	:	Hijau tua
Jumalh daun per umbi	:	6 – 10 helai
Bentuk bunga	:	Payung dengan warna putih
Bentuk umbi	:	Pipih agak bulat
Warna umbi	:	Ungu kemerahan
Kebutuhan benih	:	3-5 kg/ha
Wilayah adaptasi	:	Datara nrendah

Lampiran 2. Hasil Deskriptif Data Pengamatan

HASIL DESKRIPTIF DATA

Tinggi Tanaman II					
Perlakuan	**k0**	**k1**	**k2**	**k3**	**Rerata**
V1	15.5	15.2	17.5	15.5	15.9
V2	15.2	18.1	17.9	17.3	17.1
V3	15.7	17.9	18.0	19.1	17.7
Rerata	15.4	17.1	17.8	17.3	16.9

Tinggi Tanaman IV					
Perlakuan	**k0**	**k1**	**k2**	**k3**	**Rerata**
V1	31.2	29.4	33.8	34.3	32.2
V2	28.5	35.5	33.3	32.1	32.4
V3	32.5	32.4	35.5	36.0	34.1
Rerata	30.7	32.5	34.2	34.1	32.9

Tinggi Tanaman VI					
Perlakuan	**k0**	**k1**	**k2**	**k3**	**Rerata**
V1	42.6	40.0	44.8	45.8	43.3
V2	39.6	46.2	45.0	45.8	44.2
V3	43.3	42.6	47.6	48.7	45.6
Rerata	41.8	42.9	45.8	46.8	44.3

Jumlah Daun II					
Perlakuan	**k0**	**k1**	**k2**	**k3**	**Rerata**
V1	3.4	3.2	3.6	3.3	3.4
V2	3.1	3.2	3.4	3.2	3.2
V3	3.2	3.2	3.5	3.1	3.3
Rerata	3.2	3.2	3.5	3.2	3.3

Jumlah Daun IV					
Perlakuan	**k0**	**k1**	**k2**	**k3**	**Rerata**
V1	4.3	4.1	4.8	4.9	4.6
V2	4.3	5.1	4.6	4.8	4.7
V3	4.1	4.4	4.9	5.0	4.6
Rerata	4.2	4.5	4.8	4.9	4.6

Jumlah Daun VI					
Perlakuan	**k0**	**k1**	**k2**	**k3**	**Rerata**
V1	7.2	6.9	7.6	8.0	7.4
V2	7.7	9.1	8.8	8.8	8.6

V3	6.9	7.2	9.1	8.3	7.9
Rerata	7.3	7.7	8.5	8.4	8.0

BOBOT BASAH (Gram)					
Perlakuan	**k0**	**k1**	**k2**	**k3**	**Rerata**
V1	22.3	23.0	27.0	27.7	25.0
V2	25.0	27.0	27.0	27.7	26.3
V3	26.0	29.7	30.0	33.0	28.6
Rerata	24.4	26.6	28.0	29.4	27.1

BOBOT KERING (Gram)					
Perlakuan	**k0**	**k1**	**k2**	**k3**	**Rerata**
V1	11.7	11.5	13.0	12.8	12.3
V2	12.3	13.2	13.7	13.7	13.1
V3	13.0	14.5	15.8	16.2	14.4
Rerata	12.3	13.1	14.2	14.2	13.4

DIAMETER BAWANG					
Perlakuan	**k0**	**k1**	**k2**	**k3**	**Rerata**
V1	34.4	37.0	37.6	40.3	37.3
V2	32.8	36.4	36.2	38.0	35.1
V3	38.5	39.8	42.2	41.0	40.2
Rerata	35.2	37.7	38.7	39.8	37.8

PRODUKSI PERPETAK					
Perlakuan	**k0**	**k1**	**k2**	**k3**	**Rerata**
V1	1.9	1.9	2.7	2.3	2.2
V2	1.7	2.5	2.6	2.4	2.3
V3	2.1	2.6	2.2	3.2	2.5
Rerata	1.9	2.3	2.5	2.6	2.3

PRODUKSI PERHEKTAR (TON)					
Perlakuan	**k0**	**k1**	**k2**	**k3**	**Rerata**
V1	6.2	6.2	9.0	6.0	6.8
V2	5.7	9.2	8.6	7.8	7.9
V3	6.8	8.5	7.2	10.6	8.3
Rerata	6.3	8.0	8.3	8.1	7.7

Lampiran 3. Hasil Anova

HASIL AVONA

Univariate Analysis of Variance

Between-Subjects Factors

		Value Label	N
Kelompok	1.00		12
	2.00		12
	3.00		12
Perlakuan V	1.00	V1	12
	2.00	V2	12
	3.00	V3	12
Perlakuan K	.00	Kontrol	9
	1.00	K1	9
	2.00	K2	9
	3.00	K3	9

Tests of Between-Subjects Effects

Dependent Variable: Tinggi Tanaman II

Source	Type III Sum of Squares	df	Mean Square	F	Sig.
Corrected Model	66.025[a]	13	5.079	1.342	.263
Intercept	10285.340	1	10285.340	2718.232	.000
Kelompok	.174	2	.087	.023	.977
K	28.072	3	9.357	2.473	.088
V	20.507	2	10.254	2.710	.089
V * K	17.272	6	2.879	.761	.608
Error	83.244	22	3.784		
Total	10434.610	36			
Corrected Total	149.269	35			

a. R Squared = .442 (Adjusted R Squared = .113)

Post Hoc Tests
Kelompok
Homogeneous Subsets

Tinggi Tanaman II

Duncan[a,b]

Kelompok	N	Subset 1
3.00	12	16.8068
1.00	12	16.9318
2.00	12	16.9697
Sig.		.849

Means for groups in homogeneous subsets are displayed.
Based on observed means.
The error term is Mean Square(Error) = 3.784.
a. Uses Harmonic Mean Sample Size = 12.000.
b. Alpha = ,05.

Perlakuan V
Homogeneous Subsets
Tinggi Tanaman II

Duncan[a,b]

Perlakuan V	N	Subset 1	Subset 2
V1	12	15.8864	
V2	12	17.1288	17.1288
V3	12		17.6932
Sig.		.132	.485

Means for groups in homogeneous subsets are displayed.
Based on observed means.
The error term is Mean Square(Error) = 3.784.
a. Uses Harmonic Mean Sample Size = 12.000.
b. Alpha = ,05.

Perlakuan K
Homogeneous Subsets
Tinggi Tanaman II

Duncan[a,b]

Perlakuan K	N	Subset 1	Subset 2
Kontrol	9	15.4394	
K1	9	17.0758	17.0758
K3	9	17.3081	17.3081
K2	9		17.7879
Sig.		.066	.472

Means for groups in homogeneous subsets are displayed.
Based on observed means.
The error term is Mean Square(Error) = 3.784.
a. Uses Harmonic Mean Sample Size = 9.000.
b. Alpha = ,05.

Univariate Analysis of Variance

Between-Subjects Factors

		Value Label	N
Kelompok	1.00		12
	2.00		12
	3.00		12
Perlakuan V	1.00	V1	12
	2.00	V2	12
	3.00	V3	12
Perlakuan K	.00	Kontrol	9
	1.00	K1	9
	2.00	K2	9
	3.00	K3	9

Tests of Between-Subjects Effects

Dependent Variable: Tinggi Tanaman IV

Source	Type III Sum of Squares	df	Mean Square	F	Sig.
Corrected Model	216.839[a]	13	16.680	1.094	.412
Intercept	38916.529	1	38916.529	2552.189	.000
Kelompok	32.201	2	16.101	1.056	.365
K	73.145	3	24.382	1.599	.218
V	26.254	2	13.127	.861	.437
V * K	85.239	6	14.206	.932	.492
Error	335.462	22	15.248		
Total	39468.831	36			
Corrected Total	552.302	35			

a. R Squared = .393 (Adjusted R Squared = .034)

Post Hoc Tests
Kelompok
Homogeneous Subsets

Tinggi Tanaman IV

Duncan[a,b]

Kelompok	N	Subset 1
3.00	12	31.5568
2.00	12	33.3636
1.00	12	33.7159
Sig.		.213

Means for groups in homogeneous subsets are displayed.
Based on observed means.
The error term is Mean Square(Error) = 15.248.
a. Uses Harmonic Mean Sample Size = 12.000.
b. Alpha = ,05.

Perlakuan V
Homogeneous Subsets

Tinggi Tanaman IV

Duncan[a,b]

Perlakuan V	N	Subset 1
V1	12	32.2008
V2	12	32.3523
V3	12	34.0833
Sig.		.277

Means for groups in homogeneous subsets are displayed.
Based on observed means.
The error term is Mean Square(Error) = 15.248.
a. Uses Harmonic Mean Sample Size = 12.000.
b. Alpha = ,05.

Perlakuan K
Homogeneous Subsets

Tinggi Tanaman IV

Duncan[a,b]

Perlakuan K	N	Subset 1
Kontrol	9	30.7222
K1	9	32.4646
K3	9	34.1465
K2	9	34.1818
Sig.		.098

Means for groups in homogeneous subsets are displayed.
Based on observed means.
The error term is Mean Square(Error) = 15.248.
a. Uses Harmonic Mean Sample Size = 9.000.
b. Alpha = ,05.

Univariate Analysis of Variance

Between-Subjects Factors

		Value Label	N
Kelompok	1.00		12
	2.00		12
	3.00		12
Perlakuan V	1.00	V1	12
	2.00	V2	12
	3.00	V3	12
Perlakuan K	.00	Kontrol	9
	1.00	K1	9
	2.00	K2	9
	3.00	K3	9

Tests of Between-Subjects Effects

Dependent Variable: Tinggi Tanaman VI

Source	Type III Sum of Squares	df	Mean Square	F	Sig.
Corrected Model	441.223[a]	13	33.940	1.704	.131
Intercept	70751.970	1	70751.970	3552.379	.000
Kelompok	179.551	2	89.776	4.508	.023
K	148.308	3	49.436	2.482	.088
V	31.269	2	15.635	.785	.468
V * K	82.094	6	13.682	.687	.662
Error	438.169	22	19.917		
Total	71631.362	36			
Corrected Total	879.392	35			

a. R Squared = .502 (Adjusted R Squared = .207)

Post Hoc Tests
Kelompok
Homogeneous Subsets

Tinggi Tanaman VI

Duncan[a,b]

Kelompok	N	Subset 1	Subset 2
3.00	12	41.3295	
1.00	12	44.9848	44.9848
2.00	12		46.6818
Sig.		.057	.362

Means for groups in homogeneous subsets are displayed.
Based on observed means.
The error term is Mean Square(Error) = 19.917.
a. Uses Harmonic Mean Sample Size = 12.000.
b. Alpha = ,05.

Perlakuan V
Homogeneous Subsets
Tinggi Tanaman VI

Duncan[a,b]

Perlakuan V	N	Subset 1
V1	12	43.2917
V2	12	44.1515
V3	12	45.5530
Sig.		.253

Means for groups in homogeneous subsets are displayed.
Based on observed means.
The error term is Mean Square(Error) = 19.917.
a. Uses Harmonic Mean Sample Size = 12.000.
b. Alpha = ,05.

Perlakuan K
Homogeneous Subsets
Tinggi Tanaman VI

Duncan[a,b]

Perlakuan K	N	Subset 1	Subset 2
Kontrol	9	41.8283	
K1	9	42.9091	42.9091
K2	9	45.8081	45.8081
K3	9		46.7828
Sig.		.086	.094

Means for groups in homogeneous subsets are displayed.
Based on observed means.
The error term is Mean Square(Error) = 19.917.
a. Uses Harmonic Mean Sample Size = 9.000.
b. Alpha = ,05.

Univariate Analysis of Variance

Between-Subjects Factors

		Value Label	N
Kelompok	1.00		12
	2.00		12
	3.00		12
Perlakuan V	1.00	V1	12
	2.00	V2	12
	3.00	V3	12
Perlakuan K	.00	Kontrol	9
	1.00	K1	9
	2.00	K2	9
	3.00	K3	9

Tests of Between-Subjects Effects

Dependent Variable: Jumlah Daun II

Source	Type III Sum of Squares	df	Mean Square	F	Sig.
Corrected Model	.968[a]	13	.074	.838	.620
Intercept	387.971	1	387.971	4367.951	.000
Kelompok	.145	2	.073	.817	.455
K	.542	3	.181	2.033	.139
V	.202	2	.101	1.135	.340
V * K	.079	6	.013	.149	.987
Error	1.954	22	.089		
Total	390.893	36			
Corrected Total	2.922	35			

a. R Squared = .331 (Adjusted R Squared = -.064)

Post Hoc Tests
Kelompok
Homogeneous Subsets

Jumlah Daun II

Duncan[a,b]

Kelompok	N	Subset 1
1.00	12	3.1970
2.00	12	3.3030
3.00	12	3.3485
Sig.		.252

Means for groups in homogeneous subsets are displayed.
Based on observed means.
The error term is Mean Square(Error) = .089.
a. Uses Harmonic Mean Sample Size = 12.000.

b. Alpha = ,05.

Perlakuan V
Homogeneous Subsets
Jumlah Daun II

Duncan[a,b]

Perlakuan V	N	Subset 1
V2	12	3.2121
V3	12	3.2500
V1	12	3.3864
Sig.		.189

Means for groups in homogeneous subsets are displayed.
Based on observed means.
The error term is Mean Square(Error) = .089.
a. Uses Harmonic Mean Sample Size = 12.000.
b. Alpha = ,05.

Perlakuan K
Homogeneous Subsets
Jumlah Daun II

Duncan[a,b]

Perlakuan K	N	Subset 1
K3	9	3.2020
K1	9	3.2121
Kontrol	9	3.2222
K2	9	3.4949
Sig.		.067

Means for groups in homogeneous subsets are displayed.
Based on observed means.
The error term is Mean Square(Error) = .089.
a. Uses Harmonic Mean Sample Size = 9.000.
b. Alpha = ,05.

Univariate Analysis of Variance

Between-Subjects Factors

		Value Label	N
Kelompok	1.00		12
	2.00		12
	3.00		12
Perlakuan V	1.00	V1	12
	2.00	V2	12
	3.00	V3	12
Perlakuan K	.00	Kontrol	9
	1.00	K1	9
	2.00	K2	9
	3.00	K3	9

Tests of Between-Subjects Effects

Dependent Variable: Jumlah Daun IV

Source	Type III Sum of Squares	df	Mean Square	F	Sig.
Corrected Model	4.248[a]	13	.327	1.268	.302
Intercept	763.769	1	763.769	2963.778	.000
Kelompok	.039	2	.019	.075	.928
K	2.402	3	.801	3.107	.047
V	.150	2	.075	.291	.750
V * K	1.657	6	.276	1.072	.409
Error	5.669	22	.258		
Total	773.686	36			
Corrected Total	9.917	35			

a. R Squared = .428 (Adjusted R Squared = .091)

Post Hoc Tests
Kelompok
Homogeneous Subsets

Jumlah Daun IV

Duncan[a,b]

Kelompok	N	Subset 1
3.00	12	4.5606
1.00	12	4.6212
2.00	12	4.6364
Sig.		.734

Means for groups in homogeneous subsets are displayed.
Based on observed means.
The error term is Mean Square(Error) = .258.
a. Uses Harmonic Mean Sample Size = 12.000.
b. Alpha = ,05.

Perlakuan V
Homogeneous Subsets
Jumlah Daun IV

Duncan[a,b]

Perlakuan V	N	Subset 1
V1	12	4.5530
V3	12	4.5682
V2	12	4.6970
Sig.		.519

Means for groups in homogeneous subsets are displayed.
Based on observed means.
The error term is Mean Square(Error) = .258.
a. Uses Harmonic Mean Sample Size = 12.000.
b. Alpha = ,05.

Perlakuan K
Homogeneous Subsets
Jumlah Daun IV

Duncan[a,b]

Perlakuan K	N	Subset 1	2
Kontrol	9	4.2222	
K1	9	4.5253	4.5253
K2	9		4.7879
K3	9		4.8889
Sig.		.219	.164

Means for groups in homogeneous subsets are displayed.
Based on observed means.
The error term is Mean Square(Error) = .258.
a. Uses Harmonic Mean Sample Size = 9.000.
b. Alpha = ,05.

UnVIariate Analysis of Variance

Between-Subjects Factors

		Value Label	N
Kelompok	1.00		12
	2.00		12
	3.00		12
Perlakuan V	1.00	V1	12
	2.00	V2	12
	3.00	V3	12
Perlakuan K	.00	Kontrol	9
	1.00	K1	9
	2.00	K2	9
	3.00	K3	9

Tests of Between-Subjects Effects

Dependent Variable: Jumlah Daun VI

Source	Type III Sum of Squares	df	Mean Square	F	Sig.
Corrected Model	25.751[a]	13	1.981	1.642	.148
Intercept	2286.579	1	2286.579	1894.943	.000
Kelompok	3.415	2	1.707	1.415	.264
K	8.722	3	2.907	2.409	.094
V	8.105	2	4.052	3.358	.053
V * K	5.510	6	.918	.761	.608
Error	26.547	22	1.207		
Total	2338.876	36			
Corrected Total	52.298	35			

a. R Squared = .492 (Adjusted R Squared = .192)

Post Hoc Tests
Kelompok
Homogeneous Subsets

Jumlah Daun VI

Duncan[a,b]

Kelompok	N	Subset 1
3.00	12	7.6515
1.00	12	7.8712
2.00	12	8.3864
Sig.		.135

Means for groups in homogeneous subsets are displayed.
Based on observed means.
The error term is Mean Square(Error) = 1.207.
a. Uses Harmonic Mean Sample Size = 12.000.
b. Alpha = ,05.

Perlakuan V
Homogeneous Subsets
Jumlah Daun VI

Duncan[a,b]

Perlakuan V	N	Subset 1	Subset 2
V1	12	7.4394	
V3	12	7.8788	7.8788
V2	12		8.5909
Sig.		.338	.127

Means for groups in homogeneous subsets are displayed.
Based on observed means.
The error term is Mean Square(Error) = 1.207.
a. Uses Harmonic Mean Sample Size = 12.000.
b. Alpha = ,05.

Perlakuan K
Homogeneous Subsets
Jumlah Daun VI

Duncan[a,b]

Perlakuan K	N	Subset 1	Subset 2
Kontrol	9	7.2727	
K1	9	7.7475	7.7475
K3	9	8.3535	8.3535
K2	9		8.5051
Sig.		.060	.180

Means for groups in homogeneous subsets are displayed.
Based on observed means.
The error term is Mean Square(Error) = 1.207.
a. Uses Harmonic Mean Sample Size = 9.000.
b. Alpha = ,05.

Univariate Analysis of Variance

Between-Subjects Factors

		Value Label	N
Kelompok	1.00		12
	2.00		12
	3.00		12
Perlakuan V	1.00	V1	12
	2.00	V2	12
	3.00	V3	12
Perlakuan K	.00	Kontrol	9
	1.00	K1	9
	2.00	K2	9
	3.00	K3	9

Tests of Between-Subjects Effects

Dependent Variable: Bobot Basah (Gram)

Source	Type III Sum of Squares	df	Mean Square	F	Sig.
Corrected Model	377.778[a]	13	29.060	2.963	.012
Intercept	26460.444	1	26460.444	2697.821	.000
Kelompok	90.889	2	45.444	4.633	.021
K	122.889	3	40.963	4.176	.017
V	134.222	2	67.111	6.842	.005
V * K	29.778	6	4.963	.506	.797
Error	215.778	22	9.808		
Total	27054.000	36			
Corrected Total	593.556	35			

a. R Squared = .636 (Adjusted R Squared = .422)

Post Hoc Tests
Kelompok
Homogeneous Subsets

Bobot Basah (Gram)

Duncan[a,b]

Kelompok	N	Subset 1	Subset 2
3.00	12	25.0000	
2.00	12	27.5000	27.5000
1.00	12		28.8333
Sig.		.063	.308

Means for groups in homogeneous subsets are displayed.
Based on observed means.
The error term is Mean Square(Error) = 9.808.
a. Uses Harmonic Mean Sample Size = 12.000.
b. Alpha = ,05.

Perlakuan V
Homogeneous Subsets
Bobot Basah (Gram)

Duncan[a,b]

Perlakuan V	N	Subset 1	Subset 2
V1	12	25.0000	
V2	12	26.6667	
V3	12		29.6667
Sig.		.206	1.000

Means for groups in homogeneous subsets are displayed.
Based on observed means.
The error term is Mean Square(Error) = 9.808.
a. Uses Harmonic Mean Sample Size = 12.000.
b. Alpha = ,05.

Perlakuan K
Homogeneous Subsets
Bobot Basah (Gram)

Duncan[a,b]

Perlakuan K	N	Subset 1	Subset 2
Kontrol	9	24.4444	
K1	9	26.5556	26.5556
K2	9		28.0000
K3	9		29.4444
Sig.		.167	.076

Means for groups in homogeneous subsets are displayed.
Based on observed means.
The error term is Mean Square(Error) = 9.808.
a. Uses Harmonic Mean Sample Size = 9.000.
b. Alpha = ,05.

Univariate Analysis of Variance

Between-Subjects Factors

		Value Label	N
Kelompok	1.00		12
	2.00		12
	3.00		12
Perlakuan V	1.00	V1	12
	2.00	V2	12
	3.00	V3	12
Perlakuan K	.00	Kontrol	9
	1.00	K1	9
	2.00	K2	9
	3.00	K3	9

Tests of Between-Subjects Effects

Dependent Variable: Bobot Kering (Gram)

Source	Type III Sum of Squares	df	Mean Square	F	Sig.
Corrected Model	82.653[a]	13	6.358	2.784	.017
Intercept	6507.111	1	6507.111	2849.672	.000
Kelompok	12.597	2	6.299	2.758	.085
K	22.611	3	7.537	3.301	.039
V	42.347	2	21.174	9.273	.001
V * K	5.097	6	.850	.372	.889
Error	50.236	22	2.283		
Total	6640.000	36			
Corrected Total	132.889	35			

a. R Squared = .622 (Adjusted R Squared = .399)

Post Hoc Tests
Kelompok
Homogeneous Subsets

Bobot Kering (Gram)

Duncan[a,b]

Kelompok	N	Subset 1	Subset 2
3.00	12	12.6250	
2.00	12	13.7083	13.7083
1.00	12		14.0000
Sig.		.093	.641

Means for groups in homogeneous subsets are displayed.
Based on observed means.
The error term is Mean Square(Error) = 2.283.
a. Uses Harmonic Mean Sample Size = 12.000.
b. Alpha = ,05.

Perlakuan V
Homogeneous Subsets
Bobot Kering (Gram)

Duncan[a,b]

Perlakuan V	N	Subset 1	Subset 2
V1	12	12.2500	
V2	12	13.2083	
V3	12		14.8750
Sig.		.135	1.000

Means for groups in homogeneous subsets are displayed.
Based on observed means.
The error term is Mean Square(Error) = 2.283.
a. Uses Harmonic Mean Sample Size = 12.000.
b. Alpha = ,05.

Perlakuan K
Homogeneous Subsets
Bobot Kering (Gram)

Duncan[a,b]

Perlakuan K	N	Subset 1	Subset 2
Kontrol	9	12.3333	
K1	9	13.0556	13.0556
K2	9		14.1667
K3	9		14.2222
Sig.		.322	.135

Means for groups in homogeneous subsets are displayed.
Based on observed means.
The error term is Mean Square(Error) = 2.283.
a. Uses Harmonic Mean Sample Size = 9.000.
b. Alpha = ,05.

Univariate Analysis of Variance

Between-Subjects Factors

		Value Label	N
Kelompok	1.00		12
	2.00		12
	3.00		12
Perlakuan V	1.00	V1	12
	2.00	V2	12
	3.00	V3	12
Perlakuan K	.00	Kontrol	9
	1.00	K1	9
	2.00	K2	9
	3.00	K3	9

Tests of Between-Subjects Effects

Dependent Variable: Diameter Bawang

Source	Type III Sum of Squares	df	Mean Square	F	Sig.
Corrected Model	313.225[a]	13	24.094	6.720	.000
Intercept	51571.382	1	51571.382	14383.236	.000
Kelompok	69.580	2	34.790	9.703	.001
K	99.649	3	33.216	9.264	.000
V	125.932	2	62.966	17.561	.000
V * K	18.063	6	3.011	.840	.553
Error	78.881	22	3.586		
Total	51963.489	36			
Corrected Total	392.107	35			

a. R Squared = .799 (Adjusted R Squared = .680)

Post Hoc Tests
Kelompok
Homogeneous Subsets

Diameter Bawang

Duncan[a,b]

Kelompok	N	Subset 1	Subset 2
2.00	12	36.4333	
1.00	12	37.3750	
3.00	12		39.7383
Sig.		.236	1.000

Means for groups in homogeneous subsets are displayed.
Based on observed means.
The error term is Mean Square(Error) = 3.586.
a. Uses Harmonic Mean Sample Size = 12.000.
b. Alpha = ,05.

Perlakuan V

Homogeneous Subsets

Diameter Bawang

Duncan[a,b]

Perlakuan V	N	Subset 1	Subset 2
V2	12	35.8667	
V1	12	37.3233	
V3	12		40.3567
Sig.		.073	1.000

Means for groups in homogeneous subsets are displayed.
Based on observed means.
The error term is Mean Square(Error) = 3.586.
a. Uses Harmonic Mean Sample Size = 12.000.
b. Alpha = ,05.

Perlakuan K

Homogeneous Subsets

Diameter Bawang

Duncan[a,b]

Perlakuan K	N	Subset 1	Subset 2	Subset 3
Kontrol	9	35.2444		
K1	9		37.7422	
K2	9		38.6556	38.6556
K3	9			39.7533
Sig.		1.000	.317	.232

Means for groups in homogeneous subsets are displayed.
Based on observed means.
The error term is Mean Square(Error) = 3.586.
a. Uses Harmonic Mean Sample Size = 9.000.
b. Alpha = ,05.

Univariate Analysis of Variance

Between-Subjects Factors

		Value Label	N
Kelompok	1.00		12
	2.00		12
	3.00		12
Perlakuan V	1.00	V1	12
	2.00	V2	12
	3.00	V3	12
Perlakuan K	.00	Kontrol	9
	1.00	K1	9
	2.00	K2	9
	3.00	K3	9

Tests of Between-Subjects Effects

Dependent Variable: Produksi Perpetak

Source	Type III Sum of Squares	df	Mean Square	F	Sig.
Corrected Model	8.085[a]	13	.622	4.370	.001
Intercept	195.534	1	195.534	1373.870	.000
Kelompok	2.242	2	1.121	7.877	.003
K	2.810	3	.937	6.581	.002
V	.637	2	.319	2.239	.130
V * K	2.396	6	.399	2.806	.035
Error	3.131	22	.142		
Total	206.750	36			
Corrected Total	11.216	35			

a. R Squared = .721 (Adjusted R Squared = .556)

Post Hoc Tests
Kelompok
Homogeneous Subsets

Produksi Perpetak

Duncan[a,b]

Kelompok	N	Subset 1	Subset 2
1.00	12	2.0917	
2.00	12	2.2250	
3.00	12		2.6750
Sig.		.396	1.000

Means for groups in homogeneous subsets are displayed.
Based on observed means.
The error term is Mean Square(Error) = .142.
a. Uses Harmonic Mean Sample Size = 12.000.
b. Alpha = ,05.

Perlakuan V
Homogeneous Subsets
Produksi Perpetak

Duncan[a,b]

Perlakuan V	N	Subset 1
V1	12	2.1750
V2	12	2.3167
V3	12	2.5000
Sig.		.057

Means for groups in homogeneous subsets are displayed.
Based on observed means.
The error term is Mean Square(Error) = .142.
a. Uses Harmonic Mean Sample Size = 12.000.
b. Alpha = ,05.

Perlakuan K
Homogeneous Subsets
Produksi Perpetak

Duncan[a,b]

Perlakuan K	N	Subset 1	Subset 2
Kontrol	9	1.8889	
K1	9		2.3111
K2	9		2.4889
K3	9		2.6333
Sig.		1.000	.099

Means for groups in homogeneous subsets are displayed.
Based on observed means.
The error term is Mean Square(Error) = .142.
a. Uses Harmonic Mean Sample Size = 9.000.
b. Alpha = ,05.

Univariate Analysis of Variance

Between-Subjects Factors

		Value Label	N
Kelompok	1.00		12
	2.00		12
	3.00		12
Perlakuan V	1.00	V1	12
	2.00	V2	12
	3.00	V3	12
Perlakuan K	.00	Kontrol	9
	1.00	K1	9
	2.00	K2	9
	3.00	K3	9

Tests of Between-Subjects Effects

Dependent Variable: Produksi Perhektar (Ton)

Source	Type III Sum of Squares	df	Mean Square	F	Sig.
Corrected Model	107.366[a]	13	8.259	4.287	.001
Intercept	2109.871	1	2109.871	1095.189	.000
Kelompok	28.937	2	14.469	7.510	.003
K	23.927	3	7.976	4.140	.018
V	13.296	2	6.648	3.451	.049
V * K	41.207	6	6.868	3.565	.013
Error	42.383	22	1.926		
Total	2259.620	36			
Corrected Total	149.749	35			

a. R Squared = .717 (Adjusted R Squared = .550)

Post Hoc Tests
Kelompok
Homogeneous Subsets

Produksi Perhektar (Ton)

Duncan[a,b]

Kelompok	N	Subset 1	Subset 2
1.00	12	6.7250	
2.00	12	7.3750	
3.00	12		8.8667
Sig.		.264	1.000

Means for groups in homogeneous subsets are displayed.
Based on observed means.
The error term is Mean Square(Error) = 1.926.
a. Uses Harmonic Mean Sample Size = 12.000.
b. Alpha = ,05.

Perlakuan V
Homogeneous Subsets
Produksi Perhektar (Ton)

Duncan[a,b]

Perlakuan V	N	Subset 1	Subset 2
V1	12	6.8333	
V2	12	7.8500	7.8500
V3	12		8.2833
Sig.		.087	.453

Means for groups in homogeneous subsets are displayed.
Based on observed means.
The error term is Mean Square(Error) = 1.926.
a. Uses Harmonic Mean Sample Size = 12.000.
b. Alpha = ,05.

Perlakuan K
Homogeneous Subsets
Produksi Perhektar (Ton)

Duncan[a,b]

Perlakuan K	N	Subset 1	Subset 2
Kontrol	9	6.2556	
K1	9		7.9667
K3	9		8.1333
K2	9		8.2667
Sig.		1.000	.670

Means for groups in homogeneous subsets are displayed.
Based on observed means.
The error term is Mean Square(Error) = 1.926.
a. Uses Harmonic Mean Sample Size = 9.000.
b. Alpha = ,05.

Uji Normalitas

Explore

Tests of Normality

	Kolmogorov-Smirnov[a]			Shapiro-Wilk		
	Statistic	df	Sig.	Statistic	df	Sig.
Tinggi Tanaman II	.128	36	.146	.949	36	.096
Tinggi Tanaman IV	.096	36	.200*	.961	36	.237
Tinggi Tanaman VI	.123	36	.187	.957	36	.170
Jumlah Daun II	.113	36	.200*	.950	36	.102
Jumlah Daun IV	.146	36	.052	.966	36	.318
Jumlah Daun IV	.117	36	.200*	.973	36	.523
Bobot Basah (Gram)	.094	36	.200*	.969	36	.401
Bobot Kering (Gram)	.104	36	.200*	.957	36	.170
Diameter Bawang	.075	36	.200*	.982	36	.811
Produksi Perpetak	.118	36	.200*	.946	36	.079
Produksi Perhektar (Ton)	.102	36	.200*	.967	36	.348

*. This is a lower bound of the true significance.
a. Lilliefors Significance Correction

Data berdistribusi normal jika nilai signifikansi lebih besar dari 0,05 hasil diatas diperoleh nilai signifikansi diatas 0,05 sehingga data setiap variabel dapat dikatakan berdistribusi normal.

Uji Homogenitas (Berdasarkan Perlakuan V)

Oneway

Test of Homogeneity of Variances

		Levene Statistic	df1	df2	Sig.
Tinggi Tanaman II	Based on Mean	1.431	2	33	.254
	Based on Median	1.457	2	33	.248
	Based on Median and with adjusted df	1.457	2	31.969	.248
	Based on trimmed mean	1.405	2	33	.260
Tinggi Tanaman IV	Based on Mean	1.065	2	33	.356
	Based on Median	.818	2	33	.450
	Based on Median and with adjusted df	.818	2	28.705	.451
	Based on trimmed mean	1.209	2	33	.311
Tinggi Tanaman VI	Based on Mean	1.511	2	33	.236
	Based on Median	1.363	2	33	.270
	Based on Median and with adjusted df	1.363	2	29.119	.272
	Based on trimmed mean	1.506	2	33	.237
Jumlah Daun II	Based on Mean	.344	2	33	.711
	Based on Median	.163	2	33	.850
	Based on Median and with adjusted df	.163	2	29.568	.850
	Based on trimmed mean	.322	2	33	.727
Jumlah Daun IV	Based on Mean	.361	2	33	.700
	Based on Median	.223	2	33	.801
	Based on Median and with adjusted df	.223	2	29.898	.801
	Based on trimmed mean	.308	2	33	.737
Jumlah Daun IV	Based on Mean	2.466	2	33	.100
	Based on Median	2.019	2	33	.149
	Based on Median and with adjusted df	2.019	2	30.423	.150
	Based on trimmed mean	2.395	2	33	.107
Bobot Basah (Gram)	Based on Mean	1.799	2	33	.181
	Based on Median	.987	2	33	.383
	Based on Median and with adjusted df	.987	2	22.811	.388
	Based on trimmed mean	1.507	2	33	.236
Bobot Kering (Gram)	Based on Mean	.700	2	33	.504
	Based on Median	.335	2	33	.718
	Based on Median and with adjusted df	.335	2	24.897	.718
	Based on trimmed mean	.501	2	33	.610
Diameter Bawang	Based on Mean	.382	2	33	.685
	Based on Median	.396	2	33	.676

	Based on Median and with adjusted df	.396	2	32.316	.676
	Based on trimmed mean	.372	2	33	.692
Produksi Perpetak	Based on Mean	.410	2	33	.667
	Based on Median	.252	2	33	.779
	Based on Median and with adjusted df	.252	2	28.276	.779
	Based on trimmed mean	.381	2	33	.686
Produksi Perhektar (Ton)	Based on Mean	.722	2	33	.493
	Based on Median	.693	2	33	.507
	Based on Median and with adjusted df	.693	2	31.584	.508
	Based on trimmed mean	.720	2	33	.494

Data homogen jika nilai signifikansi lebih besar dari 0,05 hasil diatas pada uji homogenitas berdasarkan perlakuan varietas bawang, diperoleh nilai signifikansi diatas 0,05 sehingga data homogen.

Uji Homogenitas (Berdasarkan Perlakuan K)

Oneway

Test of Homogeneity of Variances

		Levene Statistic	df1	df2	Sig.
Tinggi Tanaman II	Based on Mean	.431	3	32	.732
	Based on Median	.292	3	32	.831
	Based on Median and with adjusted df	.292	3	26.018	.831
	Based on trimmed mean	.418	3	32	.741
Tinggi Tanaman IV	Based on Mean	1.140	3	32	.348
	Based on Median	.520	3	32	.672
	Based on Median and with adjusted df	.520	3	20.036	.673
	Based on trimmed mean	.988	3	32	.411
Tinggi Tanaman VI	Based on Mean	1.342	3	32	.278
	Based on Median	.875	3	32	.464
	Based on Median and with adjusted df	.875	3	22.061	.469
	Based on trimmed mean	1.260	3	32	.305
Jumlah Daun II	Based on Mean	1.133	3	32	.350
	Based on Median	.956	3	32	.425
	Based on Median and with adjusted df	.956	3	31.639	.425
	Based on trimmed mean	1.151	3	32	.343
Jumlah Daun IV	Based on Mean	1.535	3	32	.224
	Based on Median	1.105	3	32	.361
	Based on Median and with adjusted df	1.105	3	28.258	.363

	Based on trimmed mean	1.547	3	32	.221
Jumlah Daun IV	Based on Mean	.676	3	32	.573
	Based on Median	.551	3	32	.651
	Based on Median and with adjusted df	.551	3	29.658	.652
	Based on trimmed mean	.681	3	32	.570
Bobot Basah (Gram)	Based on Mean	.588	3	32	.627
	Based on Median	.432	3	32	.731
	Based on Median and with adjusted df	.432	3	26.847	.732
	Based on trimmed mean	.591	3	32	.626
Bobot Kering (Gram)	Based on Mean	.053	3	32	.983
	Based on Median	.062	3	32	.979
	Based on Median and with adjusted df	.062	3	26.222	.979
	Based on trimmed mean	.053	3	32	.983
Diameter Bawang	Based on Mean	.491	3	32	.691
	Based on Median	.384	3	32	.765
	Based on Median and with adjusted df	.384	3	30.012	.765
	Based on trimmed mean	.445	3	32	.723
Produksi Perpetak	Based on Mean	1.274	3	32	.300
	Based on Median	.726	3	32	.544
	Based on Median and with adjusted df	.726	3	26.557	.545
	Based on trimmed mean	1.308	3	32	.289
Produksi Perhektar (Ton)	Based on Mean	2.470	3	32	.080
	Based on Median	1.220	3	32	.318
	Based on Median and with adjusted df	1.220	3	17.731	.332
	Based on trimmed mean	2.352	3	32	.091

Data homogen jika nilai signifikansi lebih besar dari 0,05 hasil diatas pada uji homogenitas berdasarkan perlakuan pupuk vermikompos, diperoleh nilai signifikansi diatas 0,05 sehingga data homogen.

Lampiran 4. Logbook dan Dokumentasi Penelitian

LOG BOOK DAN DOKUMENTASI KEGIATAN

HARI/ TGL	KEGIATAN	CAPAIAN TUJUAN	DOKUMENTASI KEGIATAN
Kamis/ 09 Juni 2022	Pembuatan Tempat Pemeliharaan Cacing		  
Rabu/ 15 Juni 2022	Penebaran Cacing ANC ke media Pemeliharaan		

			  

Selasa/12 Juli 2022	Pengambilan vermikompos,penimbangan dan pemberian vermikompos di lahan		   
Selasa/ 14 juni 2022	Persemaian Biji Bawang Merah		

			  
Mulai Tanggal 17 Juni sampai 26 Juli 2022	Penyiraman Rutin Pembibitan Bawang		  

Jumat/ 08 Juli 2022	Pengolahan Lahan Pertanaman		 
Selasa/ 25 Juli 2022	Pemasangan Mulsa dan Pembuatan Lubang Tanam		 
Kamis/28 Juli 2022	Penanaman Bawang Merah		 

			 
Mulai Tanggal 29 Juli sampai tanggal 01 Oktober 2022	Penyiraman rutin Pertanaman		 
Kamis/10 Agustus 2022	Penyemprotan Pestisida Awal dan dilakukan setiap minggu selama 5 Kali		

Kamis/ 11 Agustus 2022	Pengamatan Tinggi dan Jumlah daun I		
Kamis/25 Agustus 2022	Pengamatan Tinggi dan jumlah daun II		
Kamis/ 08 Septembe r 2022	Pengamatan Tinggi dan jumlah daun III		
15 Septembe r 2022	Kunjungan monitoring Pembimbing Utama		 

			
Kamis/ 06 Oktober 2022	Panen Bawang Merah		  

			
Kamis/ 06 Oktober 2022	Penimbangan Produksi Perpetak		
Kamis/ 06 Oktober 2022	Pengukuran diameter Umbi		

			 
Kamis/ 06 Oktober 2022	Penimbangan Bobot Umbi Basah t		

			
Kamis/ 13 Oktober 2022	Penimbangan Bobot Kering umbi		
Minggu/ 15 Oktober 2022	Pengambilan sampel Tanah Setelah Panen Untuk dianalisis Kandungannya		

Lampiran 5. Analisis Pupuk Vermikompos Feses Kuda

N0	Parameter	Kode Sampel					Metode Pengujian
		I	II	III	IV	V	
1	N %	0,97	1,06	0,60	1,05	0,94	IK PO 4/L-BPTP/10 (Kjeldahl)
2	P_2O_5 %	0,49	0,48	0,67	0,33	0,28	IK PO 5/L-BPTP/10 (Spektrofotometri)
3	K_2O %	0,75	0,87	0,68	0,90	0,78	IK PO 6/L-BPTP/10 (AAS)
4	C %	7,00	10,00	8,00	7,00	10,00	IK PO 16/L-BPTP/10 (Pengabuan)
5	Kadar Air %	19,00	15,00	32,00	26,00	17,00	IK PO 1/L-BPTP/10 (Oven)
6	C/N	7,19	9,43	9,99	6,68	10,68	Kalkulasi
7	pH	8,25	7,99	8,11	7,51	7,66	IK PO 2/L-BPTP/10 (Elektrometri)

Sumber : Laboratorium Tanah,Tanaman,Pupuk dan Air Maros,2022 (SP 106 P/L-BPTP/IX/2022)

Lampiran 6. Analisis Tanah Setelah Penelitian

No	Kode Sampel	Bahan Organik (N %)	Ekstrak HCL 25%	
			P2O5 (mg/100gram)	K2O (mg/100gram)
1	K0	0,16	29	56
2	K1	0,16	25	64
3	K2	0,17	31	74
4	K3	0,17	29	87

Sumber : Laboratorium Tanah,Tanaman,Pupuk dan Air Maros,2022 (SP 135/T/L-BPTP/XII/2022)

Lampiran 7. Analisis Tanah sebelum Penelitian.

Hasil Analisis tanah Kebun Percobaan (KP) Jeneponto

Sifat fisik dan kimia tanah di Kebun Percobaan Jeneponto, Kelurahan Tolo Selatan, Kecamatan Kelara, Kabupaten Jeneponto, Sulawesi Selatan, 2022.

Sifat fisik dan kimia tanah	Nilai	Kriteria
Tekstur tanah	15 : 56 : 29	Lempung liat berdebu
pH (H_2O)	5,2	Masam
C (%)	1,13	Rendah
N (%)	0,07	Sangat rendah
P_2O_5 HCL (mg/100 gr)	16	Tinggi
P_2O_5 Bray (ppm)	32	Sedang
K_2O HCL (mg/100 g)	6	Rendah
KTK (mg/100 g)	38	Sedang
	13,35	Rendah
Susunan Kation :		
K (me/100 g)	0,06	Sangat rendah
Na (me/100 g)	0,04	Sangat rendah
Mg(me/100 g)	2,44	Tinggi
Ca (me/100 g)	4,67	Rendah
Kejenuhan Basah (%)	54	Tinggi

Sumber : Laboratorium Tanah Maros, 2022