

Lampiran 1.

Univariate Analysis of Variance

Between-Subjects Factors

		N
pupuk	1	15
	2	15
	3	15
inokulasi	1	9
	2	9
	3	9
	4	9
	5	9
ulangan	1	15
	2	15
	3	15

Tests of Between-Subjects Effects

Dependent Variable:DATA

Source	Type II Sum of Squares	df	Mean Square	F	Sig.
Model	180344.983 ^a	17	10608.528	194.109	.000
pupuk	400.533	2	200.267	3.664	.039
inokulasi	120.644	4	30.161	.552	.699
ulangan	712.900	2	356.450	6.522	.005
pupuk * inokulasi	2578.856	8	322.357	5.898	.000
Error	1530.267	28	54.652		
Total	181875.250	45			

a. R Squared = .992 (Adjusted R Squared = .986)

DATA

Duncan

perlakuan	N	Subset				
		1	2	3	4	5
3	3	51.000				
4	3	52.500	52.500			
1	3	53.167	53.167	53.167		
5	3	53.333	53.333	53.333		
2	3	56.000	56.000	56.000	56.000	
7	3	56.833	56.833	56.833	56.833	
11	3	60.667	60.667	60.667	60.667	60.667
8	3	62.333	62.333	62.333	62.333	62.333
10	3	64.333	64.333	64.333	64.333	64.333
6	3	67.667	67.667	67.667	67.667	67.667
15	3		69.000	69.000	69.000	69.000
9	3			69.667	69.667	69.667
13	3				72.333	72.333
14	3					74.167
12	3					76.500
Sig.		.052	.054	.054	.055	.063

Means for groups in homogeneous subsets are displayed.

Based on observed means.

The error term is Mean Square(Error) = 74.772.

Lampiran 2.

Univariate Analysis of Variance
Between-Subjects Factors

		N
pupuk	1	15
	2	15
	3	15
inokulasi	1	9
	2	9
	3	9
	4	9
	5	9
ulangan	1	15
	2	15
	3	15

Tests of Between-Subjects Effects

Dependent Variable:data

Source	Type II Sum of Squares	df	Mean Square	F	Sig.
Model	79.933 ^a	17	4.702	13.721	.000
pupuk	1.194	2	.597	1.742	.194
inokulasi	1.798	4	.450	1.312	.290
ulangan	3.524	2	1.762	5.141	.013
pupuk * inokulasi	7.448	8	.931	2.717	.024
Error	9.595	28	.343		
Total	89.528	45			

a. R Squared = .893 (Adjusted R Squared = .828)

data

Duncan

perlakuan	N	Subset		
		1	2	3
3	3	.51167		
5	3	.55667	.55667	
1	3	.58000	.58000	
6	3	.96833	.96833	.96833
7	3	.97500	.97500	.97500
4	3	.98667	.98667	.98667
8	3	1.08667	1.08667	1.08667
9	3	1.15000	1.15000	1.15000
13	3	1.18333	1.18333	1.18333
10	3	1.21167	1.21167	1.21167
2	3	1.44000	1.44000	1.44000
15	3	1.60000	1.60000	1.60000
14	3		1.85167	1.85167
11	3			1.92000
12	3			2.14000
Sig.		.098	.051	.076

Means for groups in homogeneous subsets are displayed.

Based on observed means.

The error term is Mean Square(Error) = .437.

Lampiran 3.

Univariate Analysis of Variance

Between-Subjects Factors

		N
pupuk	1	15
	2	15
	3	15
inokulasi	1	9
	2	9
	3	9
	4	9
	5	9
ulangan	1	15
	2	15
	3	15

Tests of Between-Subjects Effects

Dependent Variable: DATA

Source	Type II Sum of Squares	df	Mean Square	F	Sig.
Model	265.374 ^a	17	15.610	29.598	.000
pupuk	.555	2	.278	.526	.597
inokulasi	2.852	4	.713	1.352	.276
ulangan	.122	2	.061	.116	.891
pupuk * inokulasi	32.928	8	4.116	7.804	.000
Error	14.768	28	.527		
Total	280.141	45			

a. R Squared = .947 (Adjusted R Squared = .915)

DATA

Duncan

PERL AKU AN	N	Subset				
		1	2	3	4	5
1	3	.8933				
3	3	.9250				
5	3	1.0500				
2	3	1.4633	1.4633			
4	3	1.6167	1.6167	1.6167		
9	3	2.0217	2.0217	2.0217		
6	3	2.1550	2.1550	2.1550	2.1550	
11	3		2.4183	2.4183	2.4183	
7	3		2.6217	2.6217	2.6217	
12	3		2.6533	2.6533	2.6533	
10	3		2.7633	2.7633	2.7633	2.7633
15	3		2.7933	2.7933	2.7933	2.7933
8	3			2.9683	2.9683	2.9683
13	3				3.4933	3.4933
14	3					3.9950
Sig.		.064	.055	.052	.052	.063

Means for groups in homogeneous subsets are displayed.

Based on observed means.

The error term is Mean Square(Error) = .496.

Lampiran 4.

Univariate Analysis of Variance

Between-Subjects Factors

		N
pupuk	1	15
	2	15
	3	15
inokulasi	1	9
	2	9
	3	9
	4	9
	5	9
ulangan	1	15
	2	15
	3	15

Tests of Between-Subjects Effects

Dependent Variable: data

Source	Type II Sum of Squares	df	Mean Square	F	Sig.
Model	2998.772 ^a	17	176.398	285.046	.000
pupuk	.383	2	.192	.309	.736
inokulasi	2.046	4	.511	.826	.520
ulangan	4.574	2	2.287	3.696	.038
pupuk * inokulasi	19.342	8	2.418	3.907	.003
Error	17.328	28	.619		
Total	3016.099	45			

a. R Squared = .994 (Adjusted R Squared = .991)

data

Duncan

perlakuan	N	Subset		
		1	2	3
2	3	6.9125		
1	3	7.1988		
3	3	7.2346		
4	3	7.5567	7.5567	
8	3	7.8928	7.8928	7.8928
9	3	7.9473	7.9473	7.9473
10	3	8.0490	8.0490	8.0490
7	3	8.1278	8.1278	8.1278
5	3	8.1589	8.1589	8.1589
11	3	8.3701	8.3701	8.3701
6	3	8.4084	8.4084	8.4084
13	3	8.4732	8.4732	8.4732
14	3		9.0500	9.0500
15	3		9.2205	9.2205
12	3			9.3097
Sig.		.068	.051	.095

Means for groups in homogeneous subsets are displayed.

Based on observed means.

The error term is Mean Square(Error) = .730.

Lampiran 5.

Deskripsi varietas kedelai Anjasmoro

Nama varietas : Anjasmoro

Kategori : Varietas unggul nasional (released variety)

SK : 537/Kpts/TP.240/10/2001 tanggal 22 Oktober tahun
2001

Tahun : 2001

Tetua : Seleksi massa dari populasi galur murni

MANSURIA

Potensi hasil : 2,25-2,03 ton/ha

Pemulia : Takashi Sanbuichi, Nagaaki Sekiya, Jamaludin M,
Susanto, Darman M.Arsyad, Muchlis Adie

Nomor galur : MANSURIA 359-49-4

Warna Hipokotil : Ungu

Warna epikotil : Ungu

Warna daun : Hijau

Warna Bulu : Putih

Warna Bunga : Ungu

Warna polong masak : Coklat muda

Warna kulit biji : Kuning

Warna Hilum : Kuning kecoklatan

Tipe tumbuh : Determinate

Bentuk Daun : Oval

Ukuran daun : Lebar

Perkecambahan : 78-76%

Tinggi Tanaman : 64-68 cm

Jumlah cabang : 2,9- 5,6

Jumlah buku pada batang utama : 12,9-14,8

Umur Berbunga : 35,7-39,4 Hari

Umur masak : 82,5-92,5 hari

Bobot 100 biji : 14,8-15,3 gram

Kandungan protein biji : 41,78 – 42,05%

Kandungan lemak : 17,12 – 18,60%

Ketahanan terhadap kerebahan : Tahan rebah

Ketahanan terhadap karat daun : Sedang

Ketahanan terhadap pecah polong : Tahan

Lampiran 6.

Konversi perlakuan pupuk.

Bobot tanah per pot = 6 kg

Di dalam 1 ha terdapat 200.000 – 250.000 tanaman.

Jumlah tanaman per pot = 2 tanaman

$$\begin{aligned}\text{Berat 1 HLO} &= 108 \text{ cm} \times 20 \text{ cm} \times 1 \text{ g cm}^{-3} \\ &= 2.10^6 \text{ kg tanah ha}^{-1}\end{aligned}$$

Kebutuhan pupuk rekomendasi per ha adalah 100 dan 200 kg

SP36 dosis 100 kg/ha

$$\begin{aligned}\text{Berat tanah per pot (6 kg)} &= \frac{6 \text{ kg}}{2.10^6} \times 100.000 \text{ g} \\ &= 3 \text{ g SP36 per pot}\end{aligned}$$

SP36 dosis 200 kg /ha

$$\begin{aligned}\text{Berat tanah per pot (6 kg)} &= \frac{6 \text{ kg}}{2.10^6} \times 200.000 \text{ g} \\ &= 6 \text{ g SP36 per pot}\end{aligned}$$

Lampiran 7.

Keterangan Denah percobaan:

1. P1I1= Kontrol (tanpa SP36 + Tanpa inokulasi bakteri pelarut P).
2. P1I2= Tanpa SP 36 + Inokulasi bakteri pelarut P multi isolat M1.
3. P1I3 =Tanpa SP 36 + Inokulasi bakteri pelarut P multi isolat M2.
4. P1I4 =Tanpa SP 36 + Inokulasi bakteri pelarut P multi isolat M(1+2).
5. P1I5= Tanpa SP 36 + Inokulasi bakteri pelarut P multi isolat Komersial.
6. P2I1= Pupuk SP 36 100 kg/ha + Tanpa inokulasi bakteri pelarut P.
7. P2I2= Pupuk SP 36 100 kg/ha + Inokulasi bakteri pelarut P multi isolat M1.
8. P2I3= Pupuk SP 36 100 kg/ha + Inokulasi bakteri pelarut P multi isolat M2.
9. P2I4= Pupuk SP 36 100 kg/ha + Inokulasi bakteri pelarut P multi isolat M(1+2).
10. P2I5= Pupuk SP 36 100 kg/ha + Inokulasi bakteri pelarut P Komersial.
11. P3I1= Pupuk SP36 200 kg/ha+ Tanpa inokulasi bakteri pelarut P.
12. P3I2= Pupuk SP 36 200 kg/ha + Inokulasi bakteri pelarut P multi isolat M1.
13. P3I3= Pupuk SP 36 200 kg/ha + Inokulasi bakteri pelarut P multi isolat M2.
14. P3I4= Pupuk SP 36 200 kg/ha + Inokulasi bakteri pelarut P multi isolat M(1+2).
15. P3I5= Pupuk SP 36 200 kg/ha + Inokulasi bakteri pelarut P Komersial.

Lampiran 8.
Foto-foto penelitian



Gambar 1. Tanah masam Lampung



Autoclaf



Laminar Flow



Shaker



Inkubator



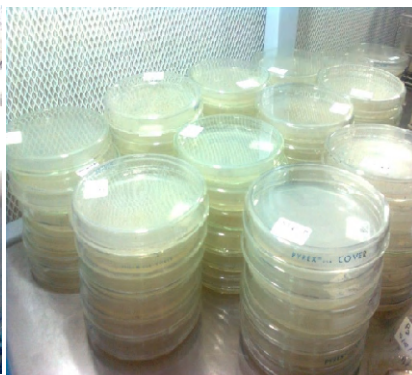
Tabung-tabung



Timbangan Digital



Koleksi BPF BALITKABI



Media Pikovskaya



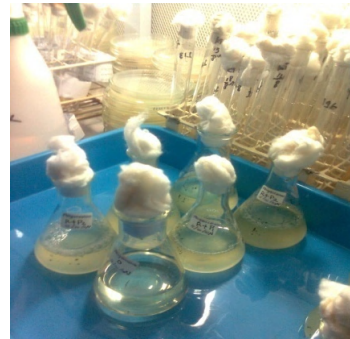
Perlengkapan Alat Steril



Yeast ekstrak, Glukosa, Mannitol



Pupuk SP 36, Urea dan Kcl



Inokulan

Gambar2. Alat dan bahan penelitian



Umur tanaman 10 hari



Umur tanaman 30 hari

Gambar 3. Umur tanaman kedelai



Gambar 4. Inokulasi multi isolat bakteri pelarut P



Gambar 5. Tanaman kedelai siap panen