

LAMPIRAN

Lampiran 1. Analisis Variansi Jumlah Tunas Rumput Pakchong

1. Tabulasi Data

Perlakuan Dosis	U1	U2	U3	U4	U5	Jumlah	Rata-rata (cm)
P0	1	1	2	2	5	11,00	2,20 ± 1,64
P1	2	3	3	4	5	17,00	3,40 ± 1,14
P2	3	4	4	5	6	22,00	4,40 ± 1,14
P3	4	5	6	7	8	30,00	6,00 ± 1,58

2. Summary

<i>Groups</i>	<i>Count</i>	<i>Sum</i>	<i>Average</i>	<i>Variance</i>
P0	5	11	2,2	2,7
P1	5	17	3,4	1,3
P2	5	22	4,4	1,3
P3	5	30	6	2,5

3. Data Analisis Variansi

<i>Source of Variation</i>	<i>SS</i>	<i>Df</i>	<i>MS</i>	<i>F</i>	<i>P-value</i>	<i>F crit</i>
Between Groups	38,8	3	12,93333333	6,63247	0,0040380	3,2388871
Within Groups	31,2	16	1,95			
Total	70	19				

4. Transformasi data

Perlakuan Dosis	U1	U2	U3	U4	U5	Jumlah	Rata-rata (cm)
P0	1,225	1,225	1,581	1,581	1,871	7,48	1,50 ± 0,27
P1	1,581	1,871	1,871	2,121	2,121	9,57	1,91 ± 0,22
P2	1,887	1,871	2,121	2,121	2,345	10,35	2,07 ± 0,20
P3	2,121	2,345	2,345	2,550	2,550	11,91	2,38 ± 0,18

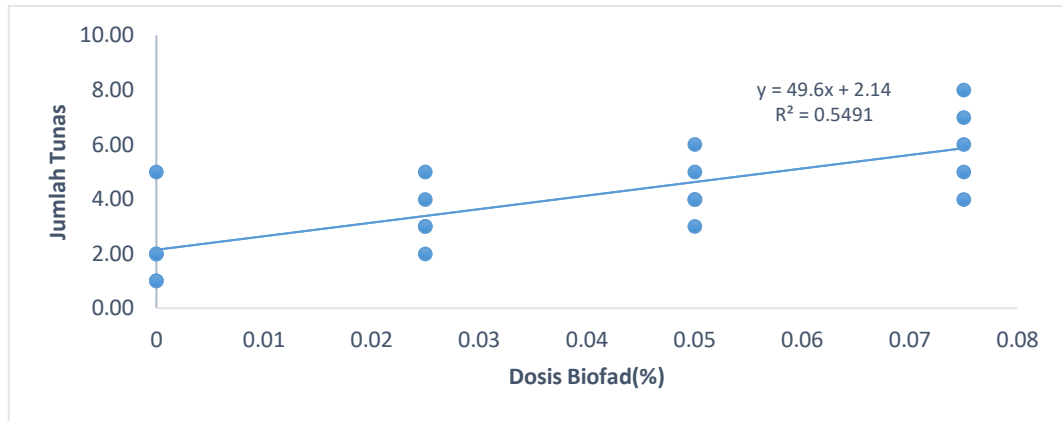
5. Data Uji DMRT

DMRT				
Jarak Perlakuan (p)		2	3	4
Duncan	0,05	3	3,15	3,23
Tabel	0,01	4,13	4,34	4,45
Standar Deviasi		0,6244998		
Duncan	0,05	1,87	1,97	2,02
Hitung	0,01	2,58	2,71	2,78

6. Ortighonal Polinomial

ORTOGONAL POLINOMIAL					
Derajat Polinomial	Perlakuan				Jumlah
	P0	P1	P2	P3	
Linier	-3	-1	1	3	20
Kuadratik	1	-1	-1	1	4
Kubik	-1	3	-3	1	20
T.Perlakuan	11,00	17,00	22,00	30,00	JK
Linier	-33,00	-17,00	22,00	90,00	38,44
Kuadratik	11,00	-17,00	-22,00	30,00	0,20
Kubik	-11,00	51,00	-66,00	30,00	0,16

SK	DB	JK	KT	F hitung	F tabel		Ket
					0,05	0,01	
Perlakuan	3	38,8000	12,93	6,63	3,24	5,29	**
Linier	1	38,44	38,44	19,71	4,49	8,53	**
Kuadratik	1	0,20	0,20	0,10	4,49	8,53	ns
Kubik	1	0,16	0,16	0,08	4,49	8,53	ns
Galat	16	31,20	1,95				
Total	19	70,00					



Lampiran 2. Analisis Deskriptif Jumlah Daun

1. Tabulasi Data

Perlakuan Dosis	U1	U2	U3	U4	U5	Jumlah	Rata-rata (cm)
P0	16,00	24,00	20,00	31,00	29,00	120,00	24,00± 6,20
P1	42,00	30,00	38,00	35,00	45,00	190,00	38,00± 5,87
P2	48,00	56,00	41,00	52,00	53,00	250,00	50,00± 5,79
P3	49,00	68,00	55,00	82,00	54,00	308,00	61,60± 13,39

2. Summary

Groups	Count	Sum	Average	Variance
P0	5	120	24	38,5
P1	5	190	38	34,5
P2	5	250	50	33,5
P3	5	308	61,6	179,3

3. Data Analisis Variansi

Source of Variation	SS	Df	MS	F	P-value	F crit
Between Groups	3901,6	3	1300,53333	18,202020	2,074	3,2388
Within Groups	1143,2	16	71,45			
Total	5044,8	19				

4. Tranformasi Data

Perlakuan Dosis	U1	U2	U3	U4	U5	Jumlah	Rata-rata (cm)
P0	4,90	4,85	5,00	5,45	5,20	25,40	5,08 ± 0,11
P1	6,20	6,30	6,40	6,50	6,35	31,75	6,35 ± 0,05
P2	6,70	6,75	6,85	6,90	6,80	34,00	6,80 ± 0,04
P3	7,10	7,20	7,30	7,35	7,30	36,25	7,25 ± 0,04

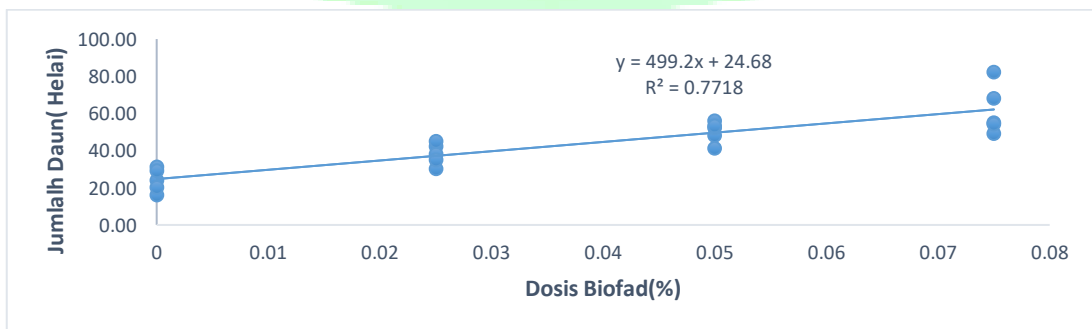
5. Data Uji DMRT

DMRT				
Jarak Perlakuan (p)		2	3	4
Duncan Tabel	0,05	3	3,15	3,23
	0,01	4,13	4,34	4,45
Standar Deviasi		3,782591704		
Duncan Hitung	0,05	11,35	11,92	12,22
	0,01	15,62	16,42	16,83

6. Orthogonal Polinomial

ORTOGONAL POLINOMIAL					
Derajat Polinomial	Perlakuan				Jumlah
	P0	P1	P2	P3	
Linier	-3	-1	1	3	20
Kuadratik	1	-1	-1	1	4
Kubik	-1	3	-3	1	20
T. Perlakuan	120,00	190,00	250,00	308,00	JK
Linier	-360,00	-190,00	250,00	924,00	3893,76
Kuadratik	120,00	-190,00	-250,00	308,00	7,20
Kubik	-120,00	570,00	-750,00	308,00	0,64

SK	DB	JK	KT	F hitung	F tabel		Ket
					0,05	0,01	
Perlakuan	3	3901,6000	1300,53	18,18	3,24	5,29	**
Linier	1	3893,76	3893,76	54,43	4,49	8,53	**
Kuadratik	1	7,20	7,20	0,10	4,49	8,53	ns
Kubik	1	0,64	0,64	0,01	4,49	8,53	ns
Galat	16	1143,20	71,54				
Total	19	5044,80					



Lampiran 3. Analisis Variansi Tinggi Tanaman Rumput Pakchong

1. Tabulasi Data

Perlakuan Dosis	U1	U2	U3	U4	U5	Jumlah	Rata-rata (cm)
P0	169	162	165	161	164	812	120,4 ± 2,07
P1	168	170	172	169	171	850	126,4 ± 1,58
P2	178	180	182	179	181	900	136,4 ± 1,58
P3	188	194	190	196	192	960	192 ± 3,16

2. Summary

Groups	Count	Sum	Average	Variance
P0	5	812	162,4	4,3
P1	5	850	170	2,5
P2	5	900	180	2,5
P3	5	960	192	10

3. Data Analisa Variansi

Source of Variation	SS	Df	MS	F	P-value	F crit
Between Groups	2464,6	3	821,5333333	170,2659758	2,38458E-12	3,238872
Within Groups	77,2	16	4,825			
Total	2541,8	19				

ANOVA							
SK	DB	JK	KT	F hitung	F tabel		Ket
					0,05	0,01	
Perlakuan	3	2464,6000	822	170,27	3,24	5,29	**
Galat	16	77,2000	5				
Total	19	2541,8000					

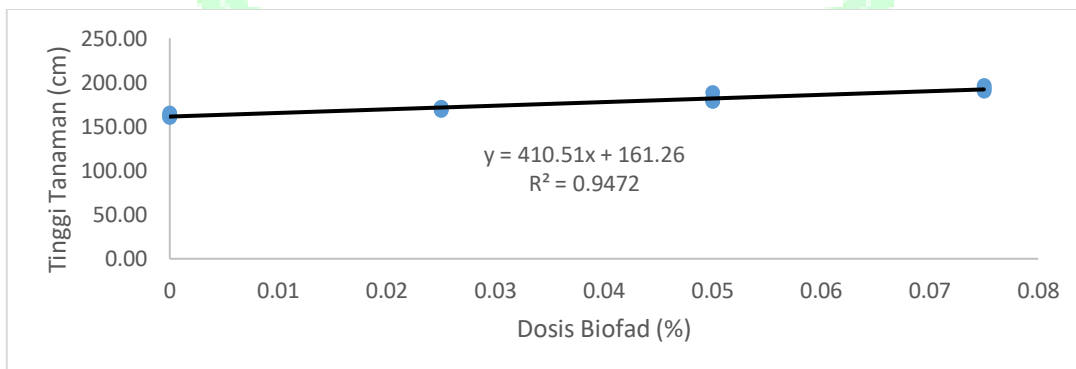
4. Data Uji DMRT

DMRT				
Jarak Perlakuan (p)		2	3	4
Duncan Tabel	0,05	3	3,15	3,23
	0,01	4,13	4,34	4,45
Standar Deviasi		0,982344135		
Duncan Hitung	0,05	2,95	3,09	3,17
	0,01	4,06	4,26	4,37

5. Orthogonal Polinomial

ORTOGONAL POLINOMIAL					
Derajat Polinomial	Perlakuan				Jumlah
	P0	P1	P2	P3	
Linier	-3	-1	1	3	20
Kuadratik	1	-1	-1	1	4
Kubik	-1	3	-3	1	20
T.Perlakuan	812,00	850,00	900,00	960,00	JK
Linier	-2436,00	-850,00	900,00	2880,00	2440,36
Kuadratik	812,00	-850,00	-900,00	960,00	24,20
Kubik	-812,00	2550,00	-2700,00	960,00	0,04

SK	DB	JK	KT	F hitung	F tabel		Ket
					0,05	0,01	
Perlakuan	3	2464,60	821,53	170,27	3,24	5,29	**
Linier	1	2440,36	2440,36	505,77	4,49	8,53	**
Kuadratik	1	24,20	24,20	5,02	4,49	8,53	*
Kubik	1	0,04	0,04	0,01	4,49	8,53	ns
Galat	16	77,20	4,82				
Total	19	2541,80					



Lampiran 4. Analisis Variansi Panjang Daun

1. Tabulasi Data

Perlakuan Dosis	U1	U2	U3	U4	U5	Jumlah	Rata-rata (cm)
P0	47,26	46,94	47,91	40,93	47,38	230,42	120,4 ± 2,07
P1	53,59	55,86	54,58	54,11	55,47	273,61	126,4 ± 1,58
P2	55,10	55,60	56,00	56,50	57,00	280,20	136,4 ± 1,58
P3	55,70	56,29	56,78	57,00	57,50	283,27	192 ± 3,16

1. Summary

Groups	Count	Sum	Average	Variance
P0	5	230,42	46,084	8,42333
P1	5	273,61	54,722	0,88267
P2	5	280,2	56,04	0,553
P3	5	283,27	56,654	0,47348

2. Data Analisis Variansi

Source of Variation	SS	df	MS	F	P-value	F crit
Between Groups	364,13578	3	121,3785933	46,9891	3,71023E-08	3,238871517
Within Groups	41,32992	16	2,58312			
Total	405,4657	19				

ANOVA							
SK	DB	JK	KT	F hitung	F tabel		Ket
					0,05	0,01	
Perlakuan	3	364	121	46,99	3,24	5,29	**
Galat	16	41	3				
Total	19	405					

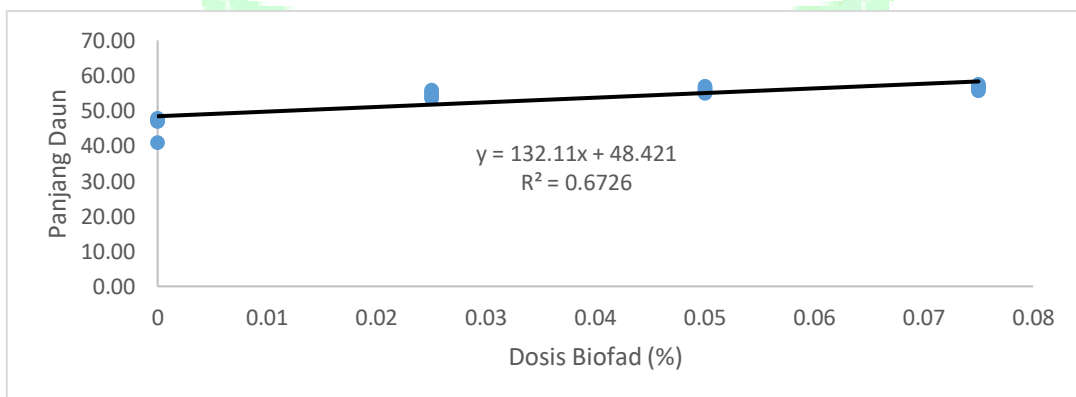
3. Data Uji DMRT

DMRT				
Jarak Perlakuan (p)		2	3	4
Duncan Tabel	0,05	3	3,15	3,23
	0,01	4,13	4,34	4,45
Standar Deviasi		0,718765609		
Duncan Hitung	0,05	2,16	2,26	2,32
	0,01	2,97	3,12	3,20

4. Data Analisis Orthogonal Polinomial

ORTOGONAL POLINOMIAL					
Derajat Polinomial	Perlakuan				Jumlah
	P0	P1	P2	P3	
Linier	-3	-1	1	3	20
Kuadratik	1	-1	-1	1	4
Kubik	-1	3	-3	1	20
T.Perlakuan	230,42	273,61	280,20	283,27	JK
Linier	-691,26	-273,61	280,20	849,81	272,71
Kuadratik	230,42	-273,61	-280,20	283,27	80,48
Kubik	-230,42	820,83	-840,60	283,27	10,94

SK	DB	JK	KT	F hitung	F tabel		Ket
					0,05	0,01	
Perlakuan	3	364,13578	121,38	46,99	3,24	5,29	**
Linier	1	272,71	272,71	105,57	4,49	8,53	**
Kuadratik	1	80,48	80,48	31,16	4,49	8,53	**
Kubik	1	10,94	10,94	4,24	4,49	8,53	ns
Galat	16	41,33	2,58				
Total	19	405,47					



Lampiran 5. Analisis Variansi Berat Segar Rumpuk Pakchong

1. Tabulasi Data

Perlakuan Dosis	U1	U2	U3	U4	U5	Jumlah	Rata-rata (gram)
P0	620,00	780,00	950,00	840,00	1000,00	4200,00	840,00 ± 149,83
P1	900,00	980,00	1050,00	1000,00	1100,00	5030,00	1006,00 ± 75,37
P2	1050,00	1150,00	1200,00	1100,00	1250,00	5750,00	1150,00 ± 79,06
P3	1200,00	1280,00	1320,00	1350,00	1300,00	6450,00	1290,00 ± 56,57

1. Summary

Groups	Count	Sum	Average	Variance
P0	5	4200	840	22450
P1	5	5030	1006	5680
P2	5	5750	1150	6250
P3	5	6450	1290	3200

2. Data Analisis Variansi

Source of Variation	SS	Df	MS	F	P-value	F crit
Between Groups	558935	3	186311,6667	19,83093844	1,22433E-05	3,23887152
Within Groups	150320	16	9395			
Total	709255	19				

ANOVA							
SK	DB	JK	KT	F hitung	F tabel		Ket
					0,05	0,01	
Perlakuan	3	558935	186312	19,83	3,24	5,29	**
Galat	16	150320	9395				
Total	19	709255					

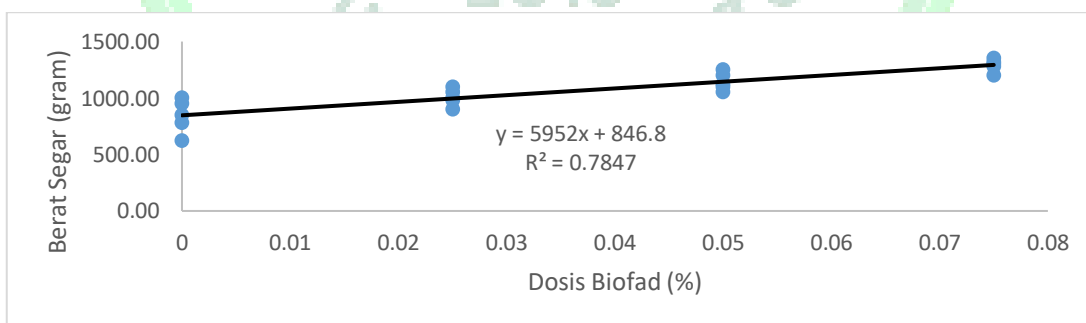
3. Data Uji DMRT

DMRT				
Jarak Perlakuan (p)		2	3	4
Duncan Tabel	0,05	3	3,15	3,23
	0,01	4,13	4,34	4,45
Standar Deviasi		43,3474336		
Duncan Hitung	0,05	130,04	136,54	140,01
	0,01	179,02	188,13	192,90

4. Data Analisis Orthogonal Polinomial

ORTOGONAL POLINOMIAL					
Derajat Polinomial	Perlakuan				Jumlah
	P0	P1	P2	P3	
Linier	-3	-1	1	3	20
Kuadratik	1	-1	-1	1	4
Kubik	-1	3	-3	1	20
T.Perlakuan	4200,00	5030,00	5750,00	6450,00	JK
Linier	-12600,00	-5030,00	5750,00	19350,00	558009,00
Kuadratik	4200,00	-5030,00	-5750,00	6450,00	845,00
Kubik	-4200,00	15090,00	-17250,00	6450,00	81,00

SK	DB	JK	KT	F hitung	F tabel		Ket
					0,05	0,01	
Perlakuan	3	558935,0	186311,67	19,83	3,24	5,29	**
Linier	1	558009,00	558009,00	59,39	4,49	8,53	**
Kuadratik	1	845,00	845,00	0,09	4,49	8,53	ns
Kubik	1	81,00	81,00	0,01	4,49	8,53	ns
Galat	16	150320,00	9395,00				
Total	19	709255,00					



Lampiran 6. Dokumentasi Penelitian

1. Penjemuran Feses Kambing



Penjemuran Feses Kambing



Penjemuran Feses Kambing

1. Pembuatan Pupuk Feses Kambing + Penambahan Bioaktivator Biofad



Homogenkan Feses



Pengayakan Feses Kambing



Pencampuran Biofad + Air



Pencampuran Feses + Larutan Biofad



Pengemasan feses Kambing



Fermentasi Feses Kambing

2. Penanaman dan Pengukuran Rumput Pakchong



Penimbangan Media Tanam



Pencampuran Media Tanam



Penanaman Rumput Pakchong



Penyiraman Rumput Pakchong



Pengukuran Panjang Daun



Pengukuran Tinggi Pakchong

3. Pemanenan



Rumput pakchong sebelum dipanen



Rumput pakchong sebelum dipanen



Hasil Panen Rumput Pakchong



Hasil Panen Rumput Pakchong