LAMPIRAN

Lampiran 1 Hasil Pengamatan

Tabel 1. Data Hasil Daya Berkecambah Jarak pagar (*Jatropha curcas* L.)

KONSENTRASI (%)	LAMA PERENDAMAN (Jam)	ULANGAN			TOTAL	RERATA
		1	2	3		
0 %	3 Jam	68	50	44	162	54
	6 Jam	60	58	34	152	50,67
	9 Jam	44	56	54	154	51,33
2,5 %	3 Jam	74	84	98	256	85,33
	6 Jam	90	62	52	204	68
	9 Jam	80	82	68	230	76,67
5 %	3 Jam	90	70	96	256	85,33
	6 Jam	86	68	60	214	71,33
	9 Jam	60	78	46	184	61,33
7,5 %	3 Jam	80	86	46	212	70,67
	6 Jam	80	82	64	226	75,33
	9 Jam	20	60	46	126	42
TOTAL		832	836	708	2376	791,99

Tabel 2 Data Hasil Keserempakan Kecamabah Jarak pagar (*Jatropha curcas L*)

KONSENTRASI (%)	LAMA PERENDAMAN (Jam)	ULANGAN			TOTAL	RERATA
		1	2	3		
0 %	3 Jam	46	44	40	130	43,33
	6 Jam	38	40	30	108	36
	9 Jam	42	34	32	108	36
2,5 %	3 Jam	50	48	46	144	48
	6 Jam	38	42	44	124	41,33
	9 Jam	40	38	32	110	36,67
5 %	3 Jam	66	46	72	184	61,33
	6 Jam	40	44	60	144	48
	9 Jam	60	48	62	170	56,67
7,5 %	3 Jam	50	58	64	172	57,33
	6 Jam	50	62	52	164	54,67
	9 Jam	50	62	56	168	56
TOTAL		700	566	590	1726	575,33

Tabel 3 Data Hasil Berat Kering Kecambah Jarak pagar (*Jatropha curcas* L)

KONSEN TRASI (%)	LAMA PERENDA-MAN (Jam)	ULANGAN			TOTAL	RERATA
		1	2	3		
0 %	3 Jam	6,20	5,70	4,51	16,41	5,47
	6 Jam	5,11	4,98	4,01	14,10	4,70
	9 Jam	5,11	5,2	4,18	14,49	4,83
2,5 %	3 Jam	6,28	6,16	6,12	18,56	6,19
	6 Jam	7,00	6,82	7,05	20,87	6,96
	9 Jam	7,35	5,16	5,70	18,21	6,07
5 %	3 Jam	8,95	9,45	10,5	28,90	9,63
	6 Jam	8,75	9.91	6,81	25,47	8,49
	9 Jam	7,37	5,28	7,44	20,09	6,70
7,5 %	3 Jam	7,52	5,67	7,75	20,94	6,98
	6 Jam	8,38	7,62	6,55	22,55	7,51
	9 Jam	5,75	5,35	6,88	17,98	5,99
TOTAL		83,77	77,3	77,5	238,57	79,52

Lampiran 2 Hasil Analisis ANAVA GANDA Hasil Daya Berkecambah Jarak pagar (*Jatropha curcas* L.)

a. Uji ANAVA

Tests of Between-Subjects Effects

Dependent
Variable:data

Source	Type III Sum of Squares	df	Mean Square	F	Sig.
Corrected Model	8233.333[a]	11	748.485	2.708	.020
Intercept	139876.000	1	139876.000	505.982	.000
Konsentrasi	4784.444	3	1594.815	5.769	.004
Perendaman	2678.000	2	1339.000	4.844	.017
konsentrasi * perendaman	770.889	6	128.481	.465	.025
Error	6634.667	24	276.444		
Total	154744.000	36			
Corrected Total	14868.000	35			

a. R Squared = ,554 (Adjusted R Squared = ,349)

b. Hasil Uji DMRT 5% Pengaruh Konsentrasi Terhadap Daya Berkecambah Jarak Pagar

Data

Duncan

konsentrasi	N	Subset 1	Subset 2
1	9	47.56	
4	9	54.89	
3	9		71.11
2	9		75.78
Sig.		.359	.557

Data

Duncan

konsentrasi	N	Subset 1	Subset 2
1	9	47.56	
4	9	54.89	
3	9		71.11
2	9		75.78
Sig.		.359	.557

Means for groups in homogeneous subsets are displayed.

Based on observed means.

The error term is Mean Square(Error) = 276,444.

c. Hasil Uji DMRT 5% Pengaruh Lama Perendaman Terhadap Daya Berkecambah Jarak Pagar

Data

Duncan

perendaman	N	Subset 1	Subset 2
3	12	51.17	
2	12	63.67	63.67
1	12		72.17
Sig.		.078	.223

Means for groups in homogeneous subsets are displayed.

Based on observed means.

The error term is Mean Square(Error) = 276,444.

d. Anava Interaksi Konsentrasi dan Lama Perendaman terhadap Viabilitas Benih Jarak pagar

Tests of Between-Subjects Effects

Dependent Variable:data

Source	Type III Sum of Squares	Df	Mean Square	F	Sig.
Corrected Model	8233.333[a]	11	748.485	2.708	.020
Intercept	139876.000	1	139876.000	505.982	.000
Interaksi	8233.333	11	748.485	2.708	.020
Error	6634.667	24	276.444		
Total	154744.000	36			
Corrected Total	14868.000	35			

a. R Squared = ,554 (Adjusted R Squared = ,349)

e. Uji Duncan Interaksi Konsentrasi dan Lama Perendaman terhadap Viabilitas Benih Jarak pagar

Data

Duncan

Interaksi	N	Subset 1	2	3
12	3	35.33		
3	3	44.00	44.00	
2	3	46.00	46.00	
1	3	52.67	52.67	
9	3	59.33	59.33	59.33
11	3	64.00	64.00	64.00
10	3	65.33	65.33	65.33
6	3	66.00	66.00	66.00
8	3		68.67	68.67
5	3		76.00	76.00
4	3			85.33
7	3			85.33
Sig.		.061	.052	.109

Means for groups in homogeneous subsets are displayed.

Based on observed means.

The error term is Mean Square(Error) = 276,444.

Lampiran 3 Analisis Hasil ANAVA GANDA Keserempakan Tumbuh Jarak pagar (Jatropha curcas L.)

a. Uji ANAVA

Tests of Between-Subjects Effects

Dependent Variable:data

Source	Type III Sum of Squares	Df	Mean Square	F	Sig.
Corrected Model	3876.889[a]	11	352.444	13.912	.000
Intercept	71467.111	1	71467.111	2.821E3	.000
Konsentrasi	2462.667	3	820.889	32.404	.000
Perendaman	1350.222	2	675.111	26.649	.000
konsentrasi * perendaman	64.000	6	10.667	.421	.005
Error	608.000	24	25.333		
Total	75952.000	36			
Corrected Total	4484.889	35			

a. R Squared = ,864 (Adjusted R Squared = ,802)

b. Hasil Uji DMRT 5% Pengaruh Konsentrasi Terhadap Daya Berkecambah Jarak Pagar

Data

Duncan

Konsentrasi	N	Subset 1	2	3
1	9	33.78		
2	9		39.56	
4	9			50.44
3	9			54.44
Sig.		1.000	1.000	.105

Data

Duncan

Konsentrasi	N	Subset		
		1	2	3
1	9	33.78		
2	9		39.56	
4	9			50.44
3	9			54.44
Sig.		1.000	1.000	.105

Means for groups in homogeneous subsets are displayed.

Based on observed means.

The error term is Mean Square(Error) = 25,333.

c. **Hasil Uji DMRT 5% Pengaruh Lama Perendaman Terhadap Daya Berkecambah Jarak Pagar**

Data

Duncan

Perendaman	N	Subset	
		1	2
3	12	38.67	
2	12	42.00	
1	12		53.00
Sig.		.118	1.000

Means for groups in homogeneous subsets are displayed.

Based on observed means.

The error term is Mean Square(Error) = 25,333.

d. Anava Interaksi Konsentrasi dan Lama Perendaman terhadap Viabilitas Benih Jarak pagar

Tests of Between-Subjects Effects

Dependent Variable:data

Source	Type III Sum of Squares	Df	Mean Square	F	Sig.
Corrected Model	3876.889[a]	11	352.444	13.912	.000
Intercept	71467.111	1	71467.111	2.821E3	.000
interaksi	3876.889	11	352.444	13.912	.000
Error	608.000	24	25.333		
Total	75952.000	36			
Corrected Total	4484.889	35			

a. R Squared = ,864 (Adjusted R Squared = ,802)

e. Uji Duncan Interaksi Konsentrasi dan Lama Perendaman terhadap Viabilitas Benih Jarak pagar

data

Duncan

Interaksi	N	Subset 1	2	3	4	5	6
3	3	27.33					
2	3	32.00	32.00				
6	3	32.00	32.00				
5	3		38.67	38.67			
1	3			42.00	42.00		
12	3			46.00	46.00		
4	3			48.00	48.00	48.00	
11	3			48.00	48.00	48.00	
8	3				49.33	49.33	
9	3				49.33	49.33	
10	3					57.33	57.33
7	3						64.67
Sig.		.294	.137	.051	.127	.051	.087

Means for groups in homogeneous subsets are displayed.

Based on observed means.

The error term is Mean Square(Error) = 25,333.

Lampiran 4 Analisis Hasil ANAVA GANDA Berat Kering Jarak Pagar
(*Jatropha curcas* L.)

a. **Uji ANAVA**

Tests of Between-Subjects Effects

Dependent
Variable:data

Source	Type III Sum of Squares	df	Mean Square	F	Sig.
Corrected Model	68.176[a]	11	6.198	7.351	.000
Intercept	1580.990	1	1580.990	1.875E3	.000
konsentrasi	49.035	3	16.345	19.385	.000
perendaman	9.716	2	4.858	5.762	.009
konsentrasi * perendaman	9.426	6	1.571	1.863	.012
Error	20.236	24	.843		
Total	1669.402	36			
Corrected Total	88.412	35			

a. R Squared = ,771 (Adjusted R Squared = ,666)

b. Hasil Uji DMRT 5% Pengaruh Konsentrasi Terhadap Daya Berkecambah Jarak Pagar

Data

Duncan

konse ntrasi	N	Subset 1	Subset 2	Subset 3
1	9	5.0000		
2	9		6.4044	
4	9		6.8300	
3	9			8.2733
Sig.		1.000	.335	1.000

Means for groups in homogeneous subsets are displayed.

Based on observed means.

The error term is Mean Square(Error) = ,843.

c. Hasil Uji DMRT 5% Pengaruh Lama Perendaman Terhadap Daya Berkecambah Jarak Pagar (*Jatropha curcas* L.)

Data

Duncan

perend aman	N	Subset 1	Subset 2
3	12	5.8975	
2	12		6.9158
1	12		7.0675
Sig.		1.000	.689

Means for groups in homogeneous subsets are displayed.

Based on observed means.

The error term is Mean Square(Error) = ,843.

d. Anava Interaksi Konsentrasi dan Lama Perendaman terhadap Viabilitas Benih Jarak pagar

Tests of Between-Subjects Effects

Dependent Variable:data

Source	Type III Sum of Squares	Df	Mean Square	F	Sig.
Corrected Model	68.176[a]	11	6.198	7.351	.000
Intercept	1580.990	1	1580.990	1.875E3	.000
interaksi	68.176	11	6.198	7.351	.000
Error	20.236	24	.843		
Total	1669.402	36			
Corrected Total	88.412	35			

a. R Squared = ,771 (Adjusted R Squared = ,666)

e. Uji Duncan Interaksi Konsentrasi dan Lama Perendaman terhadap Viabilitas Benih Jarak pagar

Data

Duncan

interaksi	N	Subset 1	2	3	4	5
2	3	4.7000				
3	3	4.8300				
1	3	5.4700	5.4700			
12	3	5.9933	5.9933	5.9933		
6	3	6.0700	6.0700	6.0700		
4	3	6.1867	6.1867	6.1867		
9	3		6.6967	6.6967		
5	3		6.9567	6.9567	6.9567	
10	3		6.9800	6.9800	6.9800	
11	3			7.5167	7.5167	
8	3				8.4900	8.4900
7	3					9.6333
Sig.		.091	.090	.087	.072	.140

Means for groups in homogeneous subsets are displayed.
 Based on observed means.
 The error term is Mean Square(Error) = ,843.

Lampiran 4 Proses Penelitian

1. **Pembuatan Larutan PEG 6000**

Penimbangan PEG 6000   Pembuatan Larutan Stok PEG 6000

Pengenceran menjadi konsentrasi lebih rendah

2. Perendaman Benih Jarak Pagar ke dalam PEG 6000

3. Uji Daya Perkecambahan

4. Hasil Pengamatan Kecambah

Kecambah Normal Kuat

Kecambah Normal Lemah

Kecambah Abnormal

5. Perhitungan Berat Kecambah Kering