LAMPIRAN 1. TABEL HASIL PENGAMATAN

Tabel 1. Hasil Daya Berkecambah

Perlakuan		Ulangan			Total (%)	rata2 (%)
K	L	I	II	III		
K0 (0%)	L1(3 jam)	70	74	72	216	72
	L2(6 jam)	70	80	82	232	77,33333333
	L3(9 jam)	70	78	70	218	72,66666667
K1 (2,5%)	L1(3 jam)	90	92	88	270	90
	L2(6 jam)	96	98	100	294	98
	L3(9 jam)	98	100	100	298	99,33333333
K2 (5%)	L1(3 jam)	92	94	96	282	94
	L2(6 jam)	88	86	90	264	88
	L3(9 jam)	94	86	90	270	90
K3 (7,5%)	L1(3 jam)	88	94	96	278	92,66666667
	L2(6 jam)	90	92	96	278	92,66666667
	L3(9 jam)	82	84	86	252	84
Total		1028	1058	1066	3152	1050,666667

Tabel 2. Hasil Panjang Kecambah

Perlakuan		Ulangan			Total (cm)	Rata2 (cm)
K	L	I	II	III		
K0(0%)	L1(3 jam)	17	16	17	50	16,66667
	L2(6 jam)	20	20	21	61	20,33333
	L3(9 jam)	17	19	20	56	18,66667
K1(2,5%)	L1(3 jam)	30	31	32	93	31
	L2(6 jam)	29	28	30	87	29
	L3(9 jam)	29	30	31	90	30
K2(5%)	L1(3 jam)	25	26	27	78	26
	L2(6 jam)	30	29	30	89	29,66667
	L3(9 jam)	27	26	26	79	26,33333
K3(7,5%)	L1(3 jam)	27	25	28	80	26,66667
	L2(6 jam)	26	26	27	79	26,33333
	L3(9 jam)	27	25	26	78	26
Total		304	301	315	920	306,6667

Tabel 3. Hasil Berat Kering Kecambah

Perlakuan		Ulangan			Total (gram)	Rata2 (gram)
K	L	I	II	III		
K0(0%)	L1(3 jam)	0,64	0,76	0,76	2,16	0,72
	L2(6 jam)	0,82	0,8	0,84	2,46	0,82
	L3(9 jam)	0,72	0,74	0,72	2,18	0,726666667
K1(2,5%)	L1(3 jam)	1,32	1,42	1,42	4,16	1,386666667
	L2(6 jam)	1,54	1,44	1,42	4,4	1,466666667
	L3(9 jam)	1,12	1,13	1,13	3,38	1,126666667
K2(5%)	L1(3 jam)	1,12	1,16	1,18	3,46	1,153333333
	L2(6 jam)	1,24	1,23	1,23	3,7	1,233333333
	L3(9 jam)	1	1	1,12	3,12	1,04
K3(7,5%)	L1(3 jam)	1,16	1,18	1,12	3,46	1,153333333
	L2(6 jam)	1,14	1,13	1,12	3,39	1,13
	L3(9 jam)	1,16	1,17	1,18	3,51	1,17
Total		12,98	13,16	13,24	39,38	13,12666667

Tabel 4. Hasil Keserempakan Tumbuh

Perlakuan		Ulangan			Total (%)	Rata2 (%)
K	L	I	II	III		
K0(0%)	L1(3 jam)	40	44	46	130	43,33333
	L2(6 jam)	36	38	38	112	37,33333
	L3(9 jam)	44	40	42	126	42
K1(2,5%)	L1(3 jam)	92	94	96	282	94
	L2(6 jam)	88	90	92	270	90
	L3(9 jam)	86	88	88	262	87,33333
K2(5%)	L1(3 jam)	94	92	96	282	94
	L2(6 jam)	88	86	88	262	87,33333
	L3(9 jam)	84	86	80	250	83,33333
K3(7,5%)	L1(3 jam)	94	96	96	286	95,33333
	L2(6 jam)	84	84	86	254	84,66667
	L3(9 jam)	86	88	84	258	86
Total		916	926	932	2774	924,6667

LAMPIRAN 2. ANALISIS PERHITUNGAN DENGAN ANOVA GANDA

1. Perhitungan Daya Berkecambah

a. Uji ANOVA Konsentrasi dan Lama Perendaman

Tests of Between-Subjects Effects

Dependent Variable:data

Source	Type III Sum of Squares	df	Mean Square	F	Sig.
Model	280720.000[a]	12	23393.333	2.807E3	.000
konsentrasi	2080.444	3	693.481	83.218	.000
perendaman	97.556	2	48.778	5.853	.009
konsentrasi * perendaman	461.556	6	76.926	9.231	.000
Error	200.000	24	8.333		
Total	280920.000	36			

a. R Squared = ,999 (Adjusted R Squared = ,999)

Keterangan = signifikan konsentrasi dan lama perendaman < 0,05

b. Uji ANOVA Interaksi Konsentrasi dan Lama Perendaman

Tests of Between-Subjects Effects

Dependent Variable:data

Source	Type III Sum of Squares	df	Mean Square	F	Sig.
Corrected Model	2639.556[a]	11	239.960	28.795	.000
Intercept	278080.444	1	278080.444	3.337E4	.000
interaksi	2639.556	11	239.960	28.795	.000
Error	200.000	24	8.333		
Total	280920.000	36			
Corrected Total	2839.556	35			

a. R Squared = ,930 (Adjusted R Squared = ,897)

Keterangan = signifikan intetaksi konsentrasi dan lama perendaman < 0,0

c. Uji DMRT Konsentrasi

data

Duncan

konsentrasi	N	Subset		
		1	2	3
1	9	75.33		
4	9		89.78	
3	9		90.67	
2	9			95.78
Sig.		1.000	.520	1.000

Means for groups in homogeneous subsets are displayed.

Based on observed means.

The error term is Mean Square(Error) = 8,333.

d. Uji DMRT Lama Perendaman

data

Duncan

perendaman	N	Subset	
		1	2
3	12	86.33	
1	12	87.17	
2	12		90.17
Sig.		.486	1.000

Means for groups in homogeneous subsets are displayed.

Based on observed means.

The error term is Mean Square(Error) = 8,333.

e. Uji DMRT Interaksi Konsentrasi dan Lama Perendaman

data

interaksi	N	Subset						
		1	2	3	4	5	6	7
1	3	72.00						
3	3	72.00						
2	3		82.00					
12	3		84.00	84.00				
8	3			88.00	88.00			
4	3				90.00	90.00		
9	3				90.00	90.00		
10	3				92.67	92.67		
11	3				92.67	92.67		
7	3					94.00	94.00	
5	3						98.00	98.00
6	3							99.33
Sig.		1.000	.405	.103	.087	.141	.103	.577

Means for groups in homogeneous subsets are displayed.
Based on observed means.
The error term is Mean Square(Error) = 8,333.

2. Perhitungan Persentase Keserempakan Tumbuh

a. Uji ANOVA Konsentrasi dan Lama Perendaman

Tests of Between-Subjects Effects

Dependent Variable:data

Source	Type III Sum of Squares	df	Mean Square	F	Sig.
Corrected Model	16225.222[a]	11	1475.020	390.447	.000
Intercept	213752.111	1	213752.111	5.658E4	.000
konsentrasi	15721.222	3	5240.407	1.387E3	.000
perendaman	382.889	2	191.444	50.676	.000
konsentrasi * perendaman	121.111	6	20.185	5.343	.001
Error	90.667	24	3.778		
Total	230068.000	36			
Corrected Total	16315.889	35			

a. R Squared = ,994 (Adjusted R Squared = ,992)

Keterangan = signifikan konsentrasi dan lama perendaman < 0,05

b. Uji ANOVA Interaksi Konsentrasi dan Lama Perendaman

Tests of Between-Subjects Effects

Dependent Variable:data

Source	Type III Sum of Squares	df	Mean Square	F	Sig.
Corrected Model	16225.222[a]	11	1475.020	390.447	.000
Intercept	213752.111	1	213752.111	5.658E4	.000
interaksi	16225.222	11	1475.020	390.447	.000
Error	90.667	24	3.778		
Total	230068.000	36			
Corrected Total	16315.889	35			

a. R Squared = ,994 (Adjusted R Squared = ,992)

Keterangan = signifikan interaksi konsentrasi dan lama perendaman < 0,05

c. Uji DMRT Konsentrasi

data

Duncan

konsentrasi	N	Subset		
		1	2	3
1	9	40.89		
3	9		88.22	
4	9		88.67	88.67
2	9			90.44
Sig.		1.000	.632	.064

Means for groups in homogeneous subsets are displayed.

Based on observed means.

The error term is Mean Square(Error) = 3,778.

d. Uji DMRT Lama Perendaman

data

Duncan

perendaman	N	Subset	
		1	2
3	12	74.67	
2	12	74.83	
1	12		81.67
Sig.		.835	1.000

Means for groups in homogeneous subsets are displayed.

Based on observed means.

The error term is Mean Square(Error) = 3,778.

e. Uji DMRT Interaksi Konsentrasi dan Lama Perendaman

data

Duncan

interaksi	N	Subset					
		1	2	3	4	5	6
2	3	37.33					
3	3		42.00				
1	3		43.33				
9	3			83.33			
11	3			84.67	84.67		
12	3			86.00	86.00		
6	3				87.33	87.33	
8	3				87.33	87.33	
5	3					90.00	
4	3						94.00
7	3						94.00
10	3						95.33
Sig.		1.000	.409	.124	.136	.124	.436

Means for groups in homogeneous subsets are displayed.

Based on observed means.

The error term is Mean Square(Error) = 3,778.

3. Perhitungan Panjang Kecambah

a. Uji ANOVA Konsentrasi dan Lama Perendaman

Tests of Between-Subjects Effects

Dependent Variable:data

Source	Type III Sum of Squares	df	Mean Square	F	Sig.
Corrected Model	704.222[a]	11	64.020	67.786	.000
Intercept	23511.111	1	23511.111	2.489E4	.000
konsentrasi	652.667	3	217.556	230.353	.000
perendaman	11.056	2	5.528	5.853	.009
konsentrasi * perendaman	40.500	6	6.750	7.147	.000
Error	22.667	24	.944		
Total	24238.000	36			
Corrected Total	726.889	35			

a. R Squared = ,969 (Adjusted R Squared = ,955)

Keterangan = signifikan konsentrasi dan lama perendaman < 0,05

b. Uji ANOVA Interaksi Konsentrasi dan Lama Perendaman

Tests of Between-Subjects Effects

Dependent Variable:data

Source	Type III Sum of Squares	df	Mean Square	F	Sig.
Corrected Model	704.222[a]	11	64.020	67.786	.000
Intercept	23511.111	1	23511.111	2.489E4	.000
interaksi	704.222	11	64.020	67.786	.000
Error	22.667	24	.944		
Total	24238.000	36			
Corrected Total	726.889	35			

a. R Squared = ,969 (Adjusted R Squared = ,955)

Keterangan = signifikan interaksi konsentrasi dan lama perendaman <

c. Uji DMRT Konsentrasi

data

Duncan

konsentrasi	N	Subset			
		1	2	3	4
1	9	18.56			
4	9		26.33		
3	9			27.33	
2	9				30.00
Sig.		1.000	1.000	1.000	1.000

Means for groups in homogeneous subsets are displayed.
Based on observed means.
The error term is Mean Square(Error) = ,944.

d. Uji DMRT Lama Perendaman

data

Duncan

perendaman	N	Subset	
		1	2
1	12	25.08	
3	12	25.25	
2	12		26.33
Sig.		.678	1.000

Means for groups in homogeneous subsets are displayed.
Based on observed means.
The error term is Mean Square(Error) = ,944.

e. Uji DMRT Interaksi Konsentrasi dan Lama Peerendaman

data

Duncan

interaksi	N	Subset					
		1	2	3	4	5	6
1	3	16.67					
3	3		18.67				
2	3			20.33			
7	3				26.00		
12	3				26.00		
9	3				26.33		
11	3				26.33		
10	3				26.67		
5	3					29.00	
8	3					29.67	29.67
6	3					30.00	30.00
4	3						31.00
Sig.		1.000	1.000	1.000	.461	.245	.124

Means for groups in homogeneous subsets are displayed.
Based on observed means.
The error term is Mean Square(Error) = ,944.

4. Perhitungan Berat Kering Kecambah

a. Uji ANAVA Konsentrasi dan Lama Perendaman

Tests of Between-Subjects Effects

Dependent Variable:data

Source	Type III Sum of Squares	df	Mean Square	F	Sig.
Corrected Model	1.836[a]	11	.167	101.487	.000
Intercept	43.077	1	43.077	2.620E4	.000
konsentrasi	1.568	3	.523	317.917	.000
perendaman	.131	2	.065	39.731	.000
konsentrasi * perendaman	.137	6	.023	13.858	.000
Error	.039	24	.002		
Total	44.953	36			
Corrected Total	1.875	35			

a. R Squared = ,979 (Adjusted R Squared = ,969)

Keterangan = signifikan konsentrasi dan lama perendaman < 0,05

b. Uji ANAVA Interaksi Konsentrasi dan Lama Perendaman

Tests of Between-Subjects Effects

Dependent Variable:data

Source	Type III Sum of Squares	df	Mean Square	F	Sig.
Corrected Model	1.836[a]	11	.167	101.487	.000
Intercept	43.077	1	43.077	2.620E4	.000
interaksi	1.836	11	.167	101.487	.000
Error	.039	24	.002		
Total	44.953	36			
Corrected Total	1.875	35			

a. R Squared = ,979 (Adjusted R Squared = ,969)

Keterangan = signifikan interaksi konsentrasi dan lama perendaman < 0,05

c. Uji DMRT Konsentrasi

data

Duncan

konsentrasi	N	Subset		
		1	2	3
1	9	.7556		
3	9		1.1422	
4	9		1.1511	
2	9			1.3267
Sig.		1.000	.646	1.000

Means for groups in homogeneous subsets are displayed.

Based on observed means.

The error term is Mean Square(Error) = ,002.

d. Uji DMRT Lama Perendaman

data

Duncan

perendaman	N	Subset		
		1	2	3
3	12	1.0158		
1	12		1.1033	
2	12			1.1625
Sig.		1.000	1.000	1.000

Means for groups in homogeneous subsets are displayed.

Based on observed means.

The error term is Mean Square(Error) = ,002.

e. Uji DMRT Interaksi Konsentrasi dan Lama perendaman

data

Duncan

interaksi	N	Subset						
		1	2	3	4	5	6	7
1	3	.7200						
3	3	.7267						
2	3		.8200					
9	3			1.0400				
6	3				1.1267			
11	3				1.1300			
7	3				1.1533			
10	3				1.1533			
12	3				1.1700	1.1700		
8	3					1.2333		
4	3						1.3867	
5	3							1.4667
Sig.		.842	1.000	1.000	.253	.068	1.000	1.000

Means for groups in homogeneous subsets are displayed.
Based on observed means.
The error term is Mean Square(Error) = ,002.

LAMPIRAN 3 . DOKUMENTASI PENELITIAN

Gambar 1. Benih kacang Hijau

Gambar 2. Bentuk PEG 6000

Gambar 3. Alat-alat yang Digunakan Pada Penelitian

Gambar 4. Penimbangan PEG 6000

Gambar 5. Pembuatan Larutan Stok

Gambar 6. Perendaman benih dalam PEG dengan konsentrasi 0%, 2,5%, 5% dan 7,5%

Gambar 7. Perendaman Kertas Merang

Gambar 8. Benih di tata diatas kertas merang dan plastik

Gambar 9. Perkecambahan benih pada hari ke 7 HST

Gambar 10. Evaluasi kecambah setelah hari ke 7 HST

Gambar 11. Kecambah normal kuat

Gambar 12. Kecambah normal lemah

Gambar 13. Kecambah abnormal

Gambar 14. Pengukuran Panjang Kecambah

Gambar 15. Bentuk Akar dan Daun

Gambar 14. Proses pengovenan

Gambar 15. Kecambah kering setelah dioven 2x24 jam

Gambar 16. Penimbangan berat kering kecambah