

LAMPIRAN

Lampiran 1. Denah Layout Penelitian

U1	U2	U3	U4	U5	U5
P2U1	P0U2	P3U3	P1U4	P2U5	P3U6
P0U1	P3U2	P1U3	P2U4	P0U5	P1U6
P3U1	P1U2	P0U3	P3U4	P1U5	P2U6
P1U1	P2U2	P2U3	P0U4	P3U5	P0U6

Lampiran 2. Perhitungan Pembuatan POC

Kode	Konsentrasi	Kebutuhan POC/Tanaman	Total POC/Kelompok
P0	0% (Kontrol)	0 ml	0 ml
P1	15%	$15\% \times 400 \text{ ml} = 60 \text{ ml}$	$60 \text{ ml} \times 6 = 360 \text{ ml}$
P2	30%	$30\% \times 400 \text{ ml} = 120 \text{ ml}$	$120 \text{ ml} \times 6 = 720 \text{ ml}$
P3	45%	$45\% \times 400 \text{ ml} = 180 \text{ ml}$	$180 \text{ ml} \times 6 = 1.080 \text{ ml}$
Total			2.160 ml (2,16 Liter)

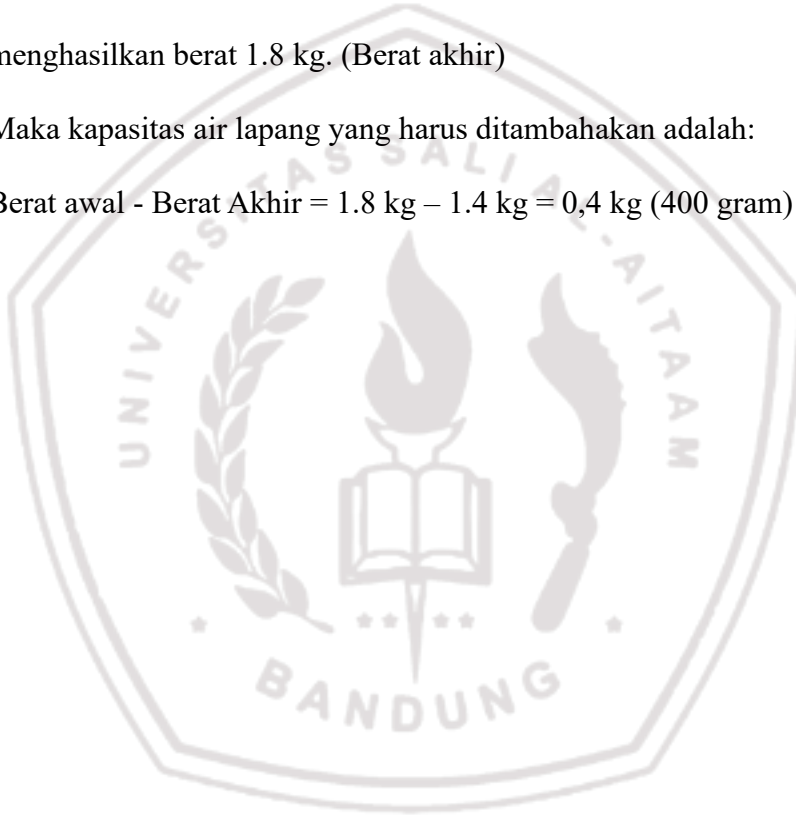
Keterangan : Penelitian ini menggunakan 4 taraf perlakuan (P0, P1, P2, dan P3) dengan 6 ulangan sehingga diperoleh 24 unit percobaan. Larutan pupuk organik cair (POC) diaplikasikan sebanyak 400 mL per tanaman dengan interval 5 hari sekali, dimulai pada umur 7 Hari Setelah Tanam (HAT) hingga 35 HAT sebagai waktu panen. Kebutuhan POC murni untuk setiap satu kali aplikasi berturut-turut adalah 0 ml (P0), 360 ml (P1), 720 ml (P2), dan 1.080 mL (P3), sehingga total kebutuhan POC murni per aplikasi mencapai 2.160 mL (2,16 L). Dengan total 6 kali aplikasi pada umur 7, 12, 17, 22, 27, dan 32 HAT, kebutuhan POC murni selama penelitian adalah 12.960 mL atau sekitar 13 L.

Lampiran 3. Pengukuran Uji Kapasitas Air Lapang

Pengukuran uji kapasitas air lapang dilakukan dengan cara:

1. Menimbang tanah dan sekam bakar dengan perbandingan 3:1 sebanyak 1.4 kg kemudian dimasukkan ke dalam polybag. (Berat awal)
2. Tambahkan air secara berkala sampai air jenuh atau menetes pertama. Kemudian berat tanah setelah di siram air perlahan di timbang dan menghasilkan berat 1.8 kg. (Berat akhir)
3. Maka kapasitas air lapang yang harus ditambahkan adalah:

$$\text{Berat awal} - \text{Berat Akhir} = 1.8 \text{ kg} - 1.4 \text{ kg} = 0,4 \text{ kg (400 gram)}$$



Lampiran 4. Deskripsi Pakcoy Varietas Nauli

Asal	: PT. East West Seed Thailand
Silsilah	: PC-201 (F) x pc-186 (M)
Golongan Varietas	: hibrida silang Tunggal
Bentuk Tanaman	: tegak
Tinggi tanaman	: 25 – 28 cm
Bentuk penampang batang	: bulat
Diameter batang	: 8,0 – 9,7
Warna daun	: hijau
Bentuk daun	: bulat telur
Panjang daun	: 17 – 20 cm
Lebar daun	: 13 – 16 cm
Bentuk ujung daun	: bulat
Panjang tangkai daun	: 8- 9 cm
Lebar tangkai daun	: 5 – 7 cm
Warna tangkai daun	: hijau
Kerapatan tangkai daun	: rapat
Warna mahkota bunga	: kuning
Warna kelopak bunga	: hijau
Warna tangkai bunga	: hijau
Umur panen	: 25 – 45
Berat per tanaman	: 400 – 500 g
Rasa	: tidak pahit
Warna biji	: hitam kecoklatan
Bentuk biji	: bulat
Tekstur biji	: halus
Pengusul	: PT. East West Seed Indonesia

Lampiran 5. Data, Uji Normalitas, dan Anova Tinggi Tanaman

Tabel Pengamatan Tinggi Tanaman 7 Hst

NO	Perlakuan	Ulangan						Rata-Rata
		1	2	3	4	5	6	
1	P0	2	2	3	3	3	3	2.67
2	P1	2	3	3	3	3	3	2.83
3	P2	3	3	2	3	3	2	2.67
4	P3	3	3	3	4	4	3	3.33

One-Sample Kolmogorov-Smirnov Test

		Residual for Tinggi7
N		24
Normal Parameters ^{a,b}	Mean	,0000
	Std. Deviation	,35864
Most Extreme Differences	Absolute	,167
	Positive	,136
	Negative	-,167
Test Statistic		,167
Asymp. Sig. (2-tailed)		,082 ^c

a. Test distribution is Normal.

b. Calculated from data.

c. Lilliefors Significance Correction.

ANOVA

Tinggi7

	Sum of Squares	df	Mean Square	F	Sig.
Between Groups	1,792	3	,597	2,471	,091
Within Groups	4,833	20	,242		
Total	6,625	23			

Tabel Pengamatan Tinggi Tanaman 14 Hst

NO	Perlakuan	Ulangan						Rata-Rata
		1	2	3	4	5	6	
1	P0	4	3	5	4	6	5	4.5
2	P1	4	5	4	6	5	4	4.67
3	P2	6	6	5	6	5	5	5.5
4	P3	5	5	6	7	7	5	5.83

One-Sample Kolmogorov-Smirnov Test

		Residual for Tinggi14
N		24
Normal Parameters ^{a, b}	Mean	,0000
	Std. Deviation	,66893
Most Extreme Differences	Absolute	,166
	Positive	,157
	Negative	-,166
Test Statistic		,166
Asymp. Sig. (2-tailed)		,086 ^c

a. Test distribution is Normal.

b. Calculated from data.

c. Lilliefors Significance Correction.

ANOVA

Tinggi14

	Sum of Squares	df	Mean Square	F	Sig.
Between Groups	7,458	3	2,486	3,278	,042
Within Groups	15,167	20	,758		
Total	22,625	23			

Tinggi14Duncan^{a,b}

Perlakuan	N	Subset	
		1	2
1	6	4,5000	
2	6	4,6667	
3	6	5,5000	5,5000
4	6		5,8333
Sig.		,065	,496

Means for groups in homogeneous subsets are displayed.

Based on observed means.

The error term is Mean Square(Error) = .686.

a. Uses Harmonic Mean Sample Size = 6.000.

b. Alpha = .05.

Tabel Pengamatan Tinggi Tanaman 21 Hst

NO	Perlakuan	Ulangan						Rata-Rata
		1	2	3	4	5	6	
1	P0	4	7	7	5	7	6	6
2	P1	8	9	8	10	11	8	9
3	P2	12	11	11	10	8	8	10
4	P3	13	15	12	11	14	13	13

Tabel Pengamatan Tinggi Tanaman 28 Hst

NO	Perlakuan	Ulangan						Rata-Rata
		1	2	3	4	5	6	
1	P0	6	8	8	6	8	7	7.17
2	P1	10	11	11	13	15	14	12.33
3	P2	15	12	15	13	11	10	12.67
4	P3	17	19	16	18	19	18	17.83

Tabel Pengamatan Tinggi Tanaman 35 Hst

NO	Perlakuan	Ulangan						Rata-Rata
		1	2	3	4	5	6	
1	P0	12	13	10	9	9	11	10.67
2	P1	18	17	16	15	16	18	16.67
3	P2	20	20	19	21	19	19	19.67
4	P3	25	22	23	23	21	25	23.17

Lampiran 6. Data, Uji Normalitas, dan Anova Jumlah Daun

Tabel Pengamatan Jumlah Daun 7 Hst

NO	Perlakuan	Ulangan						Rata-Rata
		1	2	3	4	5	6	
1	P0	2	2	2	2	2	2	2
2	P1	2	2	2	2	2	2	2
3	P2	2	2	2	2	2	2	2
4	P3	2	2	2	2	2	2	2

Tabel Pengamatan Jumlah Daun 14 Hst

NO	Perlakuan	Ulangan						Rata-Rata
		1	2	3	4	5	6	
1	P0	4	4	5	5	4	5	4.5
2	P1	4	5	5	5	4	5	4.67
3	P2	5	5	4	4	5	5	4.67
4	P3	5	5	5	5	5	5	5

One-Sample Kolmogorov-Smirnov Test

Residual for Daun14		
N		24
Normal Parameters ^{a,b}	Mean	,0000
	Std. Deviation	,38777
Most Extreme Differences	Absolute	,163
	Positive	,107
	Negative	-,163
Test Statistic		,163
Asymp. Sig. (2-tailed)		,100 ^c

a. Test distribution is Normal.

b. Calculated from data.

c. Lilliefors Significance Correction.

ANOVA

Daun14

	Sum of Squares	df	Mean Square	F	Sig.
Between Groups	,792	3	,264	1,267	,313
Within Groups	4,167	20	,208		
Total	4,958	23			

Tabel Pengamatan Jumlah Daun 21 Hst

NO	Perlakuan	Ulangan						Rata-Rata
		1	2	3	4	5	6	
1	P0	5	5	5	6	5	6	5.33
2	P1	5	6	7	6	6	6	6
3	P2	6	5	6	6	5	6	5.67
4	P3	7	7	7	7	7	7	7

One-Sample Kolmogorov-Smirnov Test

		Residual for Daun21
N		24
Normal Parameters ^{a,b}	Mean	,0000
	Std. Deviation	,37105
Most Extreme Differences	Absolute	,125
	Positive	,125
	Negative	-,125
Test Statistic		,125
Asymp. Sig. (2-tailed)		,200 ^{c,d}

- a. Test distribution is Normal.
- b. Calculated from data.
- c. Lilliefors Significance Correction.
- d. This is a lower bound of the true significance.

ANOVA

Daun21

	Sum of Squares	df	Mean Square	F	Sig.
Between Groups	9,333	3	3,111	13,333	,000
Within Groups	4,667	20	,233		
Total	14,000	23			

Daun21

Duncan^a

Perlakuan	N	Subset for alpha = 0.05		
		1	2	3
1,00	6	5,3333		
3,00	6	5,6667	5,6667	
2,00	6		6,0000	
4,00	6			7,0000
Sig.		,246	,246	1,000

Means for groups in homogeneous subsets are displayed.

a. Uses Harmonic Mean Sample Size = 6.000.

Tabel Pengamatan Jumlah Daun 28 Hst

NO	Perlakuan	Ulangan						Rata-Rata
		1	2	3	4	5	6	
1	P0	5	5	5	6	6	6	5.5
2	P1	6	7	7	7	7	7	6.83
3	P2	6	6	7	7	7	6	6.5
4	P3	9	9	9	10	9	10	9.33

One-Sample Kolmogorov-Smirnov Test

		Residual for Daun28
N		24
Normal Parameters ^{a,b}	Mean	,0000
	Std. Deviation	,32693
Most Extreme Differences	Absolute	,116
	Positive	,074
	Negative	-,116
Test Statistic		,116
Asymp. Sig. (2-tailed)		,200 ^{c,d}

- a. Test distribution is Normal.
 b. Calculated from data.
 c. Lilliefors Significance Correction.
 d. This is a lower bound of the true significance.

Daun28

ANOVA

	Sum of Squares	df	Mean Square	F	Sig.
Between Groups	47,792	3	15,931	61,667	,000
Within Groups	5,167	20	,258		
Total	52,958	23			

Daun28^aDuncan^{b,c}

Perlakuan	N	Subset		
		1	2	3
1,00	12	5,5000		
3,00	12		6,5000	
2,00	12		6,8333	
4,00	12			9,3333
Sig.		1,000	,174	1,000

Means for groups in homogeneous subsets are displayed.

Based on observed means.

The error term is Mean Square(Error) = .328. ^a

a. Weighted Least Squares Regression - Weighted by Daun7

b. Uses Harmonic Mean Sample Size = 12.000.

c. Alpha = 0,05.

Tabel Pengamatan Jumlah Daun 35 Hst

NO	Perlakuan	Ulangan						Rata-Rata
		1	2	3	4	5	6	
1	P0	6	6	7	6	6	8	6.5
2	P1	8	7	9	8	7	10	8.17
3	P2	8	9	9	10	9	10	9.17
4	P3	11	10	11	11	11	11	10.83

One-Sample Kolmogorov-Smirnov Test

		Residual for Daun35
N		24
Normal Parameters ^{a,b}	Mean	,0000
	Std. Deviation	,49636
Most Extreme Differences	Absolute	,093
	Positive	,093
	Negative	-,093
Test Statistic		,093
Asymp. Sig. (2-tailed)		,200 ^{c,d}

a. Test distribution is Normal.

b. Calculated from data.

c. Lilliefors Significance Correction.

d. This is a lower bound of the true significance.

ANOVA

Daun35

	Sum of Squares	df	Mean Square	F	Sig.
Between Groups	59,333	3	19,778	28,254	,000
Within Groups	14,000	20	,700		
Total	73,333	23			

Daun35^aDuncan^{b,c}

Perlakuan	N	Subset			
		1	2	3	4
1,00	12	6,5000			
2,00	12		8,1667		
3,00	12			9,1667	
4,00	12				10,8333
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) = .756.^a

a. Weighted Least Squares Regression - Weighted by Daun7

b. Uses Harmonic Mean Sample Size = 12,000.

c. Alpha = 0,05.

Lampiran 7. Data, Uji Normalitas, dan Anova Panjang Akar

Tabel Pengamatan Panjang Akar Tanaman saat Panen

No	Perlakuan	Ulangan						Rata-Rata
		1	2	3	4	5	6	
1	P0	10	13	13	12	14	14	12.67
2	P1	19	18	21	18	14	16	17.67
3	P2	22	24	28	27	25	24	25
4	P3	35	28	34	30	31	28	31

One-Sample Kolmogorov-Smirnov Test

		Residual for P.Akar
N		24
Normal Parameters ^{a,b}	Mean	,0000
	Std. Deviation	,98172
Most Extreme Differences	Absolute	,141
	Positive	,113
	Negative	-,141
Test Statistic		,141
Asymp. Sig. (2-tailed)		,200 ^{c,d}

- a. Test distribution is Normal.
 b. Calculated from data.
 c. Lilliefors Significance Correction.
 d. This is a lower bound of the true significance.

ANOVA

P.Akar

	Sum of Squares	df	Mean Square	F	Sig.
Between Groups	114,833	3	38,278	30,622	,000
Within Groups	25,000	20	1,250		
Total	139,833	23			

P.AkarDuncan^{a,b}

Perlakuan	N	Subset		
		1	2	3
1,00	6	6,3333		
2,00	6		8,1667	
3,00	6		9,5000	
4,00	6			12,3333
Sig.		1,000	,077	1,000

Means for groups in homogeneous subsets are displayed.

Based on observed means.

The error term is Mean Square(Error) = 1.478.

a. Uses Harmonic Mean Sample Size = 6.000.

b. Alpha = 0,05.



Lampiran 8. Data, Uji Normalitas, dan Anova Berat Basah Tanaman

Tabel Pengamatan Berat Basah Tanaman saat Panen

NO	Perlakuan	Ulangan						Rata-Rata
		1	2	3	4	5	6	
1	P0	10	13	13	12	14	14	12.67
2	P1	19	18	21	18	14	16	17.67
3	P2	22	24	28	27	25	24	25
4	P3	35	28	34	30	31	28	31

One-Sample Kolmogorov-Smirnov Test

		Residual for BeratBasah
N		24
Normal Parameters ^{a,b}	Mean	,0000
	Std. Deviation	1,82177
Most Extreme Differences	Absolute	,126
	Positive	,104
	Negative	-,126
Test Statistic		,126
Asymp. Sig. (2-tailed)		,200 ^{c,d}

- a. Test distribution is Normal.
 b. Calculated from data.
 c. Lilliefors Significance Correction.
 d. This is a lower bound of the true significance.

ANOVA

BeratBasah

	Sum of Squares	df	Mean Square	F	Sig.
Between Groups	1171,167	3	390,389	71,851	,000
Within Groups	108,667	20	5,433		
Total	1279,833	23			

BeratBasahDuncan^{a,b}

Perlakuan	N	Subset			
		1	2	3	4
1,00	6	12,6667			
2,00	6		17,6667		
3,00	6			25,0000	
4,00	6				31,0000
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) = 5.089.

a. Uses Harmonic Mean Sample Size = 6.000.

b. Alpha = 0,05.



Lampiran 9. Dokumentasi Penelitian

NO	NAMA	Dokumentasi
1	Bahan pembuatan POC	
2	Penyemaian Tanaman	
3	Benih pakcoy yang digunakan	

4	Penyaringan POC untuk pemupukan	
5	Pindah tanam setelah umur 7 hari semai	
6	Tanaman umur 7 HST	

7	Pemupukan pertama umur 7 HST																																																											
8	Pengamatan tanaman umur 14 HST	 <table border="1"> <thead> <tr> <th colspan="5">Jurnal Pengamatan</th> </tr> <tr> <th rowspan="2">No</th> <th rowspan="2">Pengamatan</th> <th colspan="3">Minggu 1</th> </tr> <tr> <th>Tinggi Tanaman</th> <th>Luas Daun</th> <th>Warna Daun</th> </tr> </thead> <tbody> <tr> <td>1</td> <td>1 cm</td> <td>6</td> <td></td> <td></td> </tr> <tr> <td>2</td> <td>4 cm</td> <td>5</td> <td></td> <td></td> </tr> <tr> <td>3</td> <td>6 cm</td> <td>6</td> <td></td> <td></td> </tr> <tr> <td>4</td> <td>8 cm</td> <td>5</td> <td></td> <td></td> </tr> <tr> <th colspan="5">Minggu 2</th> </tr> <tr> <td>1</td> <td>1 cm</td> <td>7</td> <td></td> <td></td> </tr> <tr> <td>2</td> <td>6 cm</td> <td>6</td> <td></td> <td></td> </tr> <tr> <td>3</td> <td>4 cm</td> <td>5</td> <td></td> <td></td> </tr> <tr> <td>4</td> <td>6 cm</td> <td>5</td> <td></td> <td></td> </tr> </tbody> </table>	Jurnal Pengamatan					No	Pengamatan	Minggu 1			Tinggi Tanaman	Luas Daun	Warna Daun	1	1 cm	6			2	4 cm	5			3	6 cm	6			4	8 cm	5			Minggu 2					1	1 cm	7			2	6 cm	6			3	4 cm	5			4	6 cm	5		
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10	Tanaman umur 21 HST	
11	Pengamatan tanaman umur 21 HST	
12	Tanaman umur 28 HST	

13	Perbandingan tanaman umur 28 HST perlakuan P0 dan P3	
14	Tanaman umur 35 HST	
15	Perbandingan tanaman 35 HST perlakuan P0 dan P3	

16	Pengukuran Panjang akar perlakuan P3	
17	Perhitungan bobot basah tanaman perlakuan P3	
18	Pengukuran Panjang akar tanaman perlakuan P2	

19	Perhitungan berat basah tanaman perlakuan P2	
20	Pengukuran panjang akar tanaman perlakuan P1	
21	Perhitungan bobot basah tanaman perlakuan P1	

22	Pengukuran Panjang akar tanaman perlakuan P0	
23	Perhitungan bobot basah tanaman perlakuan P0	