Lampiran 01 Perhitungan Pembuatan Bahan dan Kadar N-organik dan Fosfor

❖ Perhitungan Pembuatan Bahan

a) Larutan NaOH 30%

NaOH 30% $= \frac{30\ gr/mL}{100} \times 500$ mL

= 150 gram NaOH dalam 500 mL aquades

b) Larutan Asam Borat 1%

Asam Borat 1% $= \frac{1\ gr/mL}{100} \times 50$ mL

= 0,5 gram

c) Larutan H_2SO_4

M H_2SO_4 $= \frac{\% \times \rho \times 10}{Mr}$

$= \frac{97 \times 1{,}007 \times 10}{98}$

M H_2SO_4 = 9,9672 M

N H_2SO_4 = M × a

= 9,9672 × 2

N H_2SO_4 = 19,9344 N

$N_1 \times V_1 = N_2 \times V_2$

19,9344 × V_1 = 0,005 × 1L

$V_1 = \frac{0{,}005}{19{,}9344}$

V_1 = 0,000251 L → 0,25 mL

d) Larutan Na_2CO_3

M Na_2CO_3 $= \frac{Massa}{Mr} \times \frac{1000}{V}$

0,00125 $= \frac{Massa}{105{,}99} \times \frac{1000}{50}$

Massa Na_2CO_3 = 0,006624 gram

❖ **Perhitungan kadar N-organik dan fosfor**

Analisis kadar N dalam N-organik dilakukan dengan metode Kjeldahl yang terdiri dari tiga tahap yaitu destruksi, destilasi dan titrasi, sedangkan kadar fosfor ditentukan dengan metode spektrofotometer UV-Vis. Perhitungan kadar N-organik dan fosfor adalah sebagai berikut.

- **Kadar N-organik**

Data standarisasi H_2SO_4

Pengulangan	**Volume Na_2CO_3 (mL)**	**Volume H_2SO_4 (mL)**
1	**5**	**1**
2	**5**	**0,9**
3	**5**	**1,1**
Rata-rata		**1**

Data Hasil Titrasi POC Fermentasi 10 hari, 15 hari dan 25 hari

Sampel	Pengulangan	Volume Titrasi (mL)					
		F 10 hari	Rata-rata	F 15 hari	Rata-rata	F 25 hari	Rata-rata
POC 1	1	2	1.7	1.2	1.166667	1.2	1.166667
	2	1.6		1.2		1.1	
	3	1.5		1.1		1.2	
POC 2	1	1.8	1.766667	1.4	1.4	1.1	1.1
	2	1.8		1.4		1.1	
	3	1.7		1.4		1.1	
POC 3	1	1.3	1.333333	1.1	1.033333	1	1.066667
	2	1.3		1		1.1	
	3	1.4		1		1.1	
POC 4	1	2.2	2.8	2.1	2.333333	2.6	2.566667
	2	3		2.6		2.5	
	3	3.2		2.3		2.6	
POC 5	1	2.8	2.833333	3.3	3.166667	2	1.966667
	2	2.8		3.1		2	
	3	2.9		3.1		1.9	
POC 6	1	2.4	2.366667	2.4	2.366667	2.5	2.3
	2	2.4		2.4		2.4	
	3	2.3		2.3		2	

a) Kadar N-organik POC 1

$$\%\text{N-organik} = (\text{mL titran} - \text{mL blanko}) \times N_{H2SO4} \times \text{Ar N} \times \frac{100}{mg}$$

$$= (1{,}7 - 1)\ \text{mL} \times 0{,}005 \times 14 \times \frac{100}{1}$$

$$= 4{,}9\%$$

Dengan cara yang sama sehingga diperoleh % POC 2 ; POC 3 ; POC 4 ; POC 5 ; POC 6 pada tabel berikut.

Sampel	Kadar N-organik (%)		
	F 10 hari	F 15 hari	F 25 hari
POC 1	1,167	4,9	1,167
POC 2	1,1	5,367	0,7
POC 3	1,067	2,333	0,467
POC 4	2,567	12,6	10,967
POC 5	1,967	12,833	6,767
POC 6	2,3	9,567	9,1

❖ **Kadar Fosfor**

a). Pembuatan Standar KH_2PO_4 10.000 ppm

KH_2PO_4 ditimbang 1,9175 gram dilarutkan hingga volume 100 mL.

b). Pembuatan Standar KH_2PO_4 3, 6, 9, 12 dan 15 ppm

Standar 3 ppm

$V_1 \times N_1 = V_2 \times N_2$

$V_1 \times 10.000 = 50 \times 3$

$V_1 = 0,015$ mL

Standar 6 ppm

$V_1 \times N_1 = V_2 \times N_2$

$V_1 \times 10.000 = 50 \times 6$

$V_1 = 0,03$mL

Standar 9 ppm

$V_1 \times N_1 = V_2 \times N_2$

$V_1 \times 10.000 = 50 \times 9$

$V_1 = 0,045$ mL

Standar 12 ppm

$V_1 \times N_1 = V_2 \times N_2$

$V_1 \times 10.000 = 50 \times 12$

$V_1 = 0,06$ mL

Standar 15 ppm

$V_1 \times N_1 = V_2 \times N_2$

$V_1 \times 10.000 = 50 \times 15$

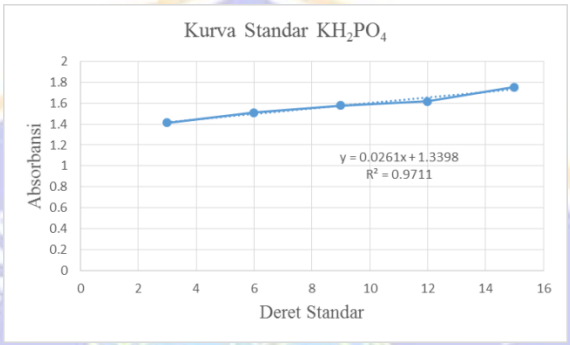
$V_1 = 0{,}075$ mL

c). Penentuan absorbansi standar

Data absorbansi standar

Konsentrasi (ppm)	Absorbansi
3	1.414
6	1.511
9	1.579
12	1.619
15	1.752

Kurva persamaan garis lurus standar



Persamaan garis lurus yang didapatkan:

y = 0,0261x + 1,3398

d). Perhitungan kadar fosfor

Data absorbansi POC fermentasi 10 hari, 15 hari dan 25 hari

Sampel	Pengulangan	Absorbansi					
		F 10 hari	Rata-rata Abs	F 15 hari	Rata-rata Abs	F 25 hari	Rata-rata Abs
POC 1	1	1.462	1.446	2.514	2.372333333	2.222	2.216666667
	2	1.445		2.264		2.215	
	3	1.431		2.339		2.213	
POC 2	1	1.39	1.404333333	2.564	2.589333333	2.306	2.312
	2	1.409		2.602		2.312	
	3	1.414		2.602		2.318	
POC 3	1	1.416	1.417	2.554	2.561	2.405	2.311
	2	1.427		2.568		2.306	
	3	1.408		2.561		2.222	
POC 4	1	1.47	1.495	2.612	2.593333333	2.204	2.199666667
	2	1.504		2.648		2.214	
	3	1.511		2.52		2.181	
POC 5	1	1.458	1.438	2.602	2.605333333	2.022	2.046333333
	2	1.434		2.602		2.085	
	3	1.422		2.612		2.032	
POC 6	1	1.435	1.447666667	2.668	2.635333333	2.023	1.876333333
	2	1.454		2.684		2.019	
	3	1.454		2.554		1.587	

a). Kadar POC 1 fermentasi 10 hari

y = 0,0261x + 1,3398

1,446 = 0,0261x + 1,3398

1,446 – 1,3398 = 0,0261x

0,1062 = 0,0261x

X = 4,4069

ppm = nilai X × $\frac{mL\ ekstrak}{1000}$ × $\frac{100}{mg\ contoh}$ × fp

= 4,069× $\frac{50}{1000}$ × $\frac{100}{0,5}$ × $\frac{10}{0,5}$

= 4,069 × 0,05 × 200 × 20

= 813,8 ppm

%P = 813,8 → 0,8138 $\frac{gr}{1000\ gr}$

= $\frac{0,8138}{1000}$ × 100%

= 0,08138%

Dengan perhitungn yang sama dilakukan perhitungan kadar fosfor POC 2 ; POC 3 ; POC 4 ; POC 5 dan POC 6 fermentasi 10 hari, 15 hari dan 25 hari. Berikut kadar fosfor keenam POC dengan tiga waktu fermentasi yang berbeda.

Sampel	Kadar Fosfor					
	F 10 hari		F 15 hari		F 25 hari	
	ppm	%	ppm	%	ppm	%
POC 1	813,7931	0,081379	7912,133	0,791213	6179,285	0,671928
POC 2	494,5083	0,049451	9574,968	0,957497	7449,808	0,744981
POC 3	591,5709	0,059157	9357,854	0,935785	7442,146	0,744215
POC 4	1189,272	0,118927	9605,619	0,960562	6589,017	0,658902
POC 5	752,4904	0,075249	9697,573	0,969757	5414,049	0,541405
POC 6	826,5645	0,082656	9927,458	0,992746	4111,367	0,411137

Lampiran 02 Hasil Uji Statistik

Hasil Uji Statistik

A. Hasil Uji Normalitas Data

Tests of Normality

	Waktu Fermentasi	Kolmogorov-Smirnov[a]			Shapiro-Wilk		
		Statistic	df	Sig.	Statistic	df	Sig.
Tinggi Tanaman	10 Hari	.083	105	.071	.857	105	.000
	15 Hari	.139	105	.000	.687	105	.000
	25 Hari	.052	105	.200*	.989	105	.520
Lebar Daun	10 Hari	.384	105	.000	.240	105	.000
	15 Hari	.333	105	.000	.554	105	.000
	25 Hari	.112	105	.002	.967	105	.010

a. Lilliefors Significance Correction

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

Descriptives

	Waktu Fermentasi			Statistic	Std. Error
Tinggi Tanaman	10 Hari	Mean		19.0790	.30123
		95% Confidence Interval for Mean	Lower Bound	18.4817	
			Upper Bound	19.6764	
		5% Trimmed Mean		19.2127	
		Median		19.2000	
		Variance		9.528	
		Std. Deviation		3.08672	
		Minimum		.00	
		Maximum		25.10	
		Range		25.10	
		Interquartile Range		3.70	
		Skewness		-2.161	.236
		Kurtosis		12.849	.467
	15 Hari	Mean		19.9448	.33930
		95% Confidence Interval for Mean	Lower Bound	19.2719	
			Upper Bound	20.6176	
		5% Trimmed Mean		20.2889	
		Median		20.3000	
		Variance		12.088	
		Std. Deviation		3.47676	
		Minimum		.00	
		Maximum		24.20	
		Range		24.20	
		Interquartile Range		3.40	

		Skewness		-3.632	.236
		Kurtosis		19.286	.467
	25 Hari	Mean		22.7105	.19846
		95% Confidence Interval for Mean	Lower Bound	22.3169	
			Upper Bound	23.1040	
		5% Trimmed Mean		22.7106	
		Median		22.7000	
		Variance		4.136	
		Std. Deviation		2.03366	
		Minimum		17.70	
		Maximum		27.00	
		Range		9.30	
		Interquartile Range		2.95	
		Skewness		-.010	.236
		Kurtosis		-.590	.467
Lebar Daun	10 Hari	Mean		2.7390	.20177
		95% Confidence Interval for Mean	Lower Bound	2.3389	
			Upper Bound	3.1392	
		5% Trimmed Mean		2.5873	
		Median		2.6000	
		Variance		4.275	
		Std. Deviation		2.06754	
		Minimum		.00	
		Maximum		23.00	
		Range		23.00	
		Interquartile Range		.75	
		Skewness		9.169	.236
		Kurtosis		90.919	.467
	15 Hari	Mean		2.6524	.07283
		95% Confidence Interval for Mean	Lower Bound	2.5080	
			Upper Bound	2.7968	

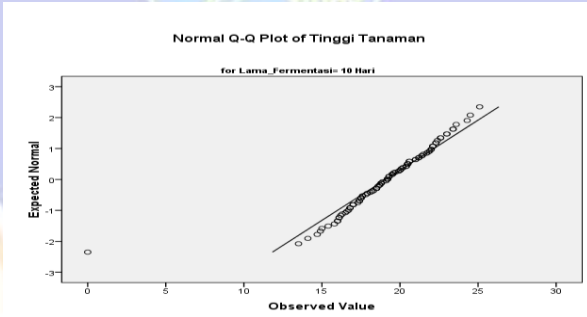
		5% Trimmed Mean	2.7661	
		Median	2.8000	
		Variance	.557	
		Std. Deviation	.74629	
		Minimum	.00	
		Maximum	3.30	
		Range	3.30	
		Interquartile Range	.40	
		Skewness	-2.994	.236
		Kurtosis	8.351	.467
	25 Hari	Mean	2.8924	.02908
		95% Confidence Interval for Mean — Lower Bound	2.8347	
		95% Confidence Interval for Mean — Upper Bound	2.9500	
		5% Trimmed Mean	2.8849	
		Median	2.9000	
		Variance	.089	
		Std. Deviation	.29797	
		Minimum	2.30	
		Maximum	3.60	
		Range	1.30	
		Interquartile Range	.45	
		Skewness	.369	.236
		Kurtosis	-.586	.467

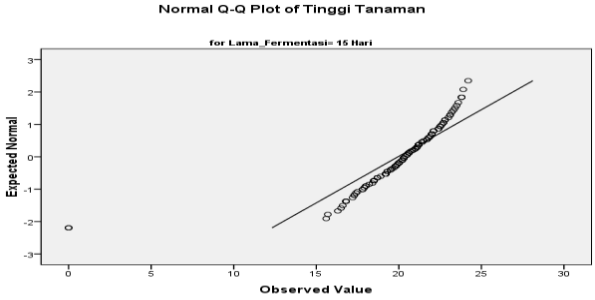
Tests of Normality

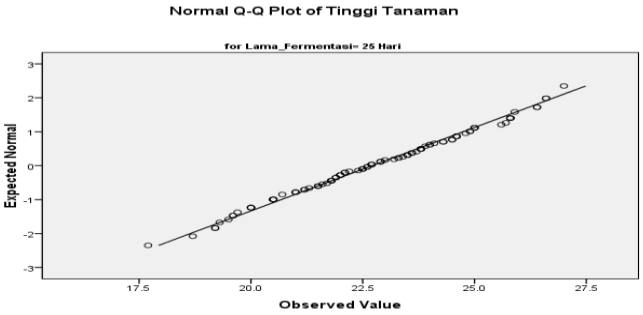
	Waktu Fermentasi	Kolmogorov-Smirnov[a]			Shapiro-Wilk		
		Statistic	df	Sig.	Statistic	df	Sig.
Tinggi Tanaman	10 Hari	.083	105	.071	.857	105	.000
	15 Hari	.139	105	.000	.687	105	.000
	25 Hari	.052	105	.200*	.989	105	.520
Lebar Daun	10 Hari	.384	105	.000	.240	105	.000
	15 Hari	.333	105	.000	.554	105	.000
	25 Hari	.112	105	.002	.967	105	.010

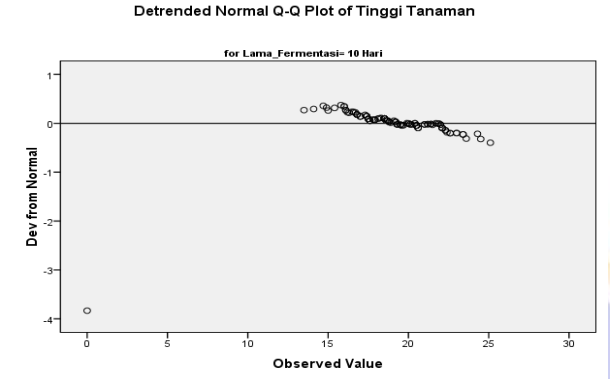
a. Lilliefors Significance Correction

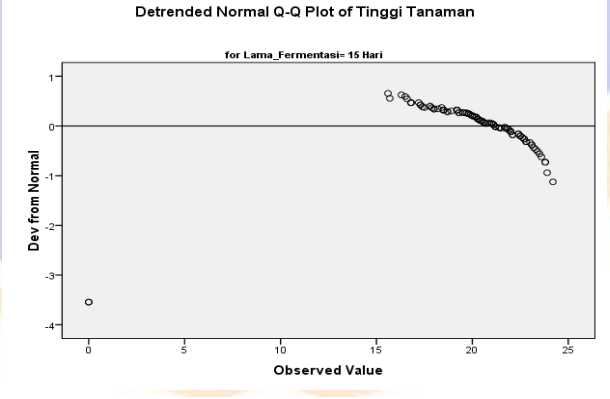
*. This is a lower bound of the true significance.

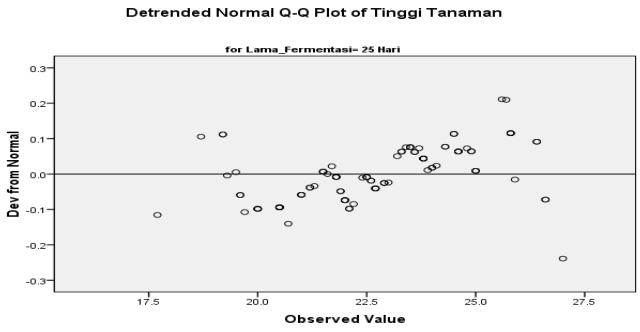


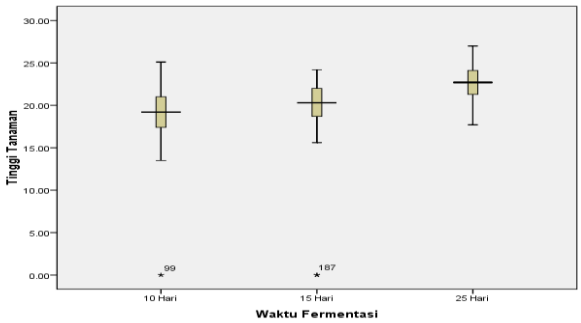



Normal Q-Q Plot of Tinggi Tanaman
for Lama_Fermentasi= 25 Hari
Expected Normal
Observed Value

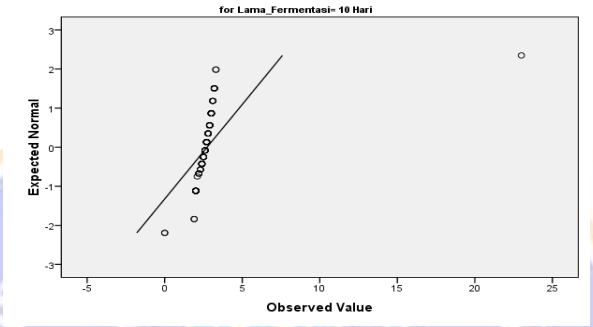

Detrended Normal Q-Q Plot of Tinggi Tanaman
for Lama_Fermentasi= 10 Hari
Dev from Normal
Observed Value


Detrended Normal Q-Q Plot of Tinggi Tanaman
for Lama_Fermentasi= 15 Hari
Dev from Normal
Observed Value

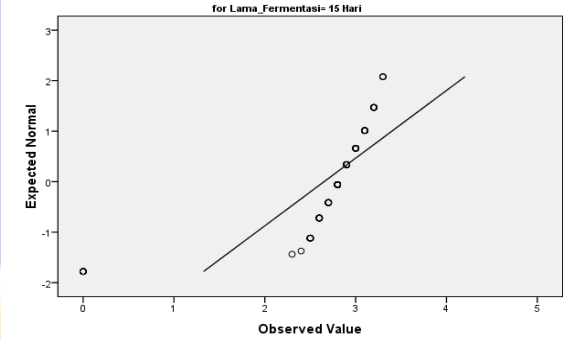

Detrended Normal Q-Q Plot of Tinggi Tanaman
for Lama_Fermentasi= 25 Hari
Dev from Normal
Observed Value



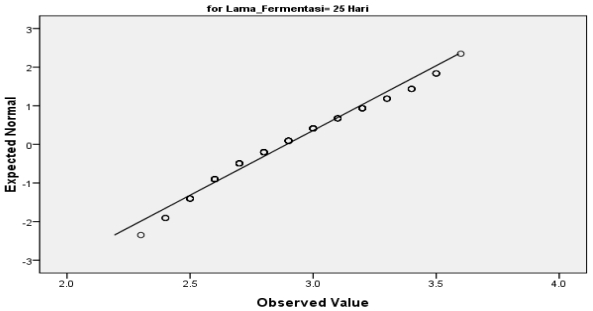
Normal Q-Q Plot of Lebar Daun

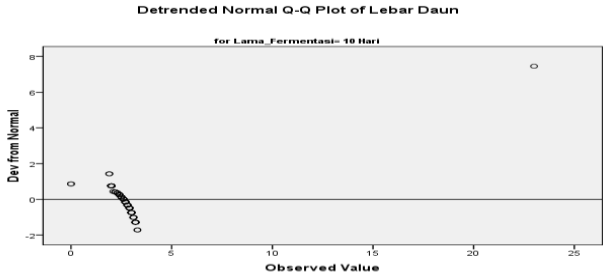


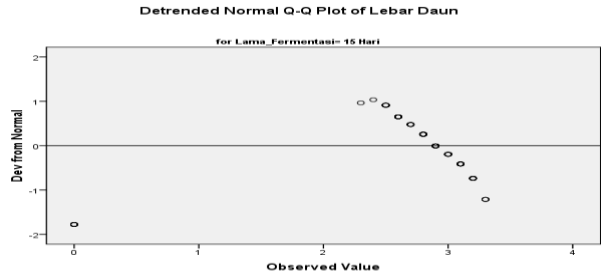
Normal Q-Q Plot of Lebar Daun

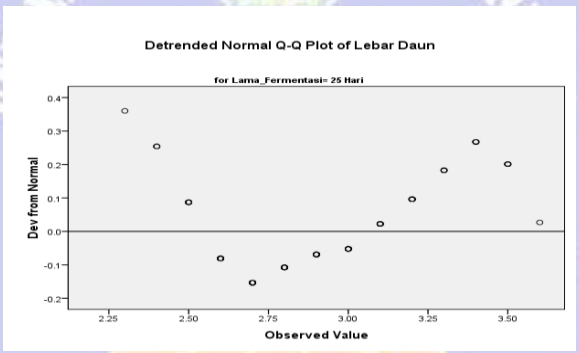


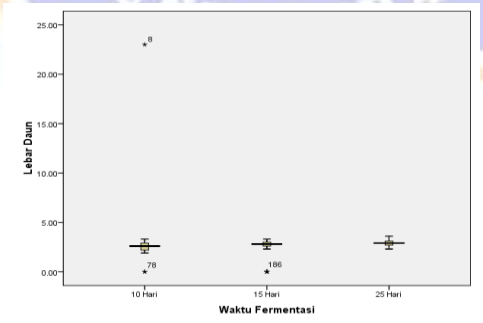
Normal Q-Q Plot of Lebar Daun




Detrended Normal Q-Q Plot of Lebar Daun
for Lama_Fermentasi= 10 Hari
Dev from Normal
Observed Value


Detrended Normal Q-Q Plot of Lebar Daun
for Lama_Fermentasi= 15 Hari
Dev from Normal
Observed Value


Detrended Normal Q-Q Plot of Lebar Daun
for Lama_Fermentasi= 25 Hari
Dev from Normal
Observed Value


Lebar Daun
10 Hari
15 Hari
25 Hari
Waktu Fermentasi

B. Uji Homogenitas

Levene's Test of Equality of Error Variances[a]

Dependent Variable:Tinggi Tanaman

F	df1	df2	Sig.
3.339	20	294	.000

Tests the null hypothesis that the error variance of the dependent variable is equal across groups.

a. Design: Intercept + Pemberian_POC + Lama_Fermentasi + Pemberian_POC * Lama_Fermentasi

Levene's Test of Equality of Error Variances[a]

Dependent Variable:Lebar Daun

F	df1	df2	Sig.
4.131	20	294	.000

Tests the null hypothesis that the error variance of the dependent variable is equal across groups.

a. Design: Intercept + Pemberian_POC + Lama_Fermentasi + Pemberian_POC * Lama_Fermentasi

C. Uji Kruskal Wallis

Ranks

	Waktu Fermentasi	N	Mean Rank
Tinggi Tanaman	10 Hari	105	107.79
	15 Hari	105	140.72
	25 Hari	105	225.49
	Total	315	
Lebar Daun	10 Hari	105	124.81
	15 Hari	105	163.90
	25 Hari	105	185.30
	Total	315	

Test Statistics[a,b]

	Tinggi Tanaman	Lebar Daun
Chi-Square	93.384	24.016
df	2	2
Asymp. Sig.	.000	.000

a. Kruskal Wallis Test

b. Grouping Variable: Waktu Fermentasi

D. Univariate Analysis of Variance

Uji Univariat Tinggi Tanaman

Between-Subjects Factors

		Value Label	N
Pemberian POC	1	Kontrol	45
	2	POC 1	45
	3	POC 2	45
	4	POC 3	45
	5	POC 4	45
	6	POC 5	45
	7	POC 6	45
Waktu Fermentasi	1	10 Hari	105
	2	15 Hari	105
	3	25 Hari	105

Descriptive Statistics

Dependent Variable:Tinggi Tanaman

Pemberian POC	Waktu Fermentasi	Mean	Std. Deviation	N
Kontrol	10 Hari	19.4800	1.68277	15
	15 Hari	19.4533	1.77598	15
	25 Hari	22.3333	2.28931	15
	Total	20.4222	2.33237	45
POC 1	10 Hari	18.3400	2.18429	15
	15 Hari	20.2600	2.39070	15
	25 Hari	23.2800	1.32676	15
	Total	20.6267	2.85047	45
POC 2	10 Hari	19.9000	2.92965	15
	15 Hari	19.6933	2.36899	15
	25 Hari	22.8133	1.68348	15
	Total	20.8022	2.73749	45
POC 3	10 Hari	19.9400	2.19311	15
	15 Hari	21.3000	1.50570	15
	25 Hari	23.6000	2.14310	15
	Total	21.6133	2.45899	45
POC 4	10 Hari	17.7133	5.80503	15
	15 Hari	20.4133	2.57179	15
	25 Hari	22.7267	2.83737	15

	Total	20.2844	4.43631	45
POC 5	10 Hari	18.0533	2.53148	15
	15 Hari	20.0667	1.86611	15
	25 Hari	22.8800	1.65322	15
	Total	20.3333	2.83268	45
POC 6	10 Hari	20.1267	1.76087	15
	15 Hari	18.4267	7.60455	15
	25 Hari	21.3400	1.45199	15
	Total	19.9644	4.63873	45
Total	10 Hari	19.0790	3.08672	105
	15 Hari	19.9448	3.47676	105
	25 Hari	22.7105	2.03366	105
	Total	20.5781	3.30684	315

Tests of Between-Subjects Effects

Dependent Variable:Tinggi Tanaman

Source	Type III Sum of Squares	df	Mean Square	F	Sig.
Corrected Model	966.892[a]	20	48.345	5.762	.000
Intercept	133389.271	1	133389.271	1.590E4	.000
Pemberian_POC	75.209	6	12.535	1.494	.180
Lama_Fermentasi	755.507	2	377.753	45.022	.000
Pemberian_POC * Lama_Fermentasi	136.176	12	11.348	1.353	.188
Error	2466.767	294	8.390		
Total	136822.930	315			
Corrected Total	3433.659	314			

a. R Squared = .282 (Adjusted R Squared = .233)

1. Pemberian POC

Dependent Variable:Tinggi Tanaman

Pemberian POC	Mean	Std. Error	95% Confidence Interval	
			Lower Bound	Upper Bound
Kontrol	20.422	.432	19.572	21.272
POC 1	20.627	.432	19.777	21.476
POC 2	20.802	.432	19.952	21.652
POC 3	21.613	.432	20.764	22.463
POC 4	20.284	.432	19.435	21.134
POC 5	20.333	.432	19.484	21.183
POC 6	19.964	.432	19.115	20.814

2. Waktu Fermentasi

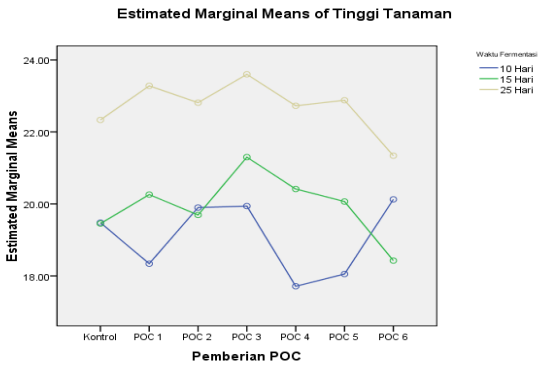
Dependent Variable:Tinggi Tanaman

Waktu Fermentasi	Mean	Std. Error	95% Confidence Interval	
			Lower Bound	Upper Bound
10 Hari	19.079	.283	18.523	19.635
15 Hari	19.945	.283	19.388	20.501
25 Hari	22.710	.283	22.154	23.267

3. Pemberian POC * Waktu Fermentasi

Dependent Variable:Tinggi Tanaman

Pemberian POC	Waktu Fermentasi	Mean	Std. Error	95% Confidence Interval	
				Lower Bound	Upper Bound
Kontrol	10 Hari	19.480	.748	18.008	20.952
	15 Hari	19.453	.748	17.981	20.925
	25 Hari	22.333	.748	20.861	23.805
POC 1	10 Hari	18.340	.748	16.868	19.812
	15 Hari	20.260	.748	18.788	21.732
	25 Hari	23.280	.748	21.808	24.752
POC 2	10 Hari	19.900	.748	18.428	21.372
	15 Hari	19.693	.748	18.221	21.165
	25 Hari	22.813	.748	21.341	24.285
POC 3	10 Hari	19.940	.748	18.468	21.412
	15 Hari	21.300	.748	19.828	22.772
	25 Hari	23.600	.748	22.128	25.072
POC 4	10 Hari	17.713	.748	16.241	19.185
	15 Hari	20.413	.748	18.941	21.885
	25 Hari	22.727	.748	21.255	24.199
POC 5	10 Hari	18.053	.748	16.581	19.525
	15 Hari	20.067	.748	18.595	21.539
	25 Hari	22.880	.748	21.408	24.352
POC 6	10 Hari	20.127	.748	18.655	21.599
	15 Hari	18.427	.748	16.955	19.899
	25 Hari	21.340	.748	19.868	22.812



Uji Univariat Lebar Daun

Between-Subjects Factors

		Value Label	N
Pemberian POC	1	Kontrol	45
	2	POC 1	45
	3	POC 2	45
	4	POC 3	45
	5	POC 4	45
	6	POC 5	45
	7	POC 6	45
Waktu Fermentasi	1	10 Hari	105
	2	15 Hari	105
	3	25 Hari	105

Descriptive Statistics

Dependent Variable:Lebar Daun

Pemberian POC	Waktu Fermentasi	Mean	Std. Deviation	N
Kontrol	10 Hari	2.5600	.36214	15
	15 Hari	2.6333	.14475	15
	25 Hari	2.9267	.30111	15
	Total	2.7067	.32079	45
POC 1	10 Hari	2.5733	.39545	15
	15 Hari	2.8733	.29873	15
	25 Hari	3.0333	.32660	15
	Total	2.8267	.38636	45
POC 2	10 Hari	3.7533	5.33076	15
	15 Hari	2.8600	.15024	15
	25 Hari	2.8933	.17915	15
	Total	3.1689	3.03875	45
POC 3	10 Hari	2.7533	.41553	15
	15 Hari	2.8333	.22254	15
	25 Hari	3.1067	.33051	15
	Total	2.8978	.35897	45
POC 4	10 Hari	2.2733	1.00033	15
	15 Hari	2.8800	.23964	15
	25 Hari	2.6733	.19809	15
	Total	2.6089	.64344	45
POC 5	10 Hari	2.5800	.52807	15
	15 Hari	2.1000	1.32288	15
	25 Hari	2.8267	.22190	15
	Total	2.5022	.86851	45
POC 6	10 Hari	2.6800	.41092	15
	15 Hari	2.3867	1.24721	15
	25 Hari	2.7867	.30441	15
	Total	2.6178	.77936	45
Total	10 Hari	2.7390	2.06754	105
	15 Hari	2.6524	.74629	105
	25 Hari	2.8924	.29797	105
	Total	2.7613	1.28046	315

Tests of Between-Subjects Effects

Dependent Variable:Lebar Daun

Source	Type III Sum of Squares	df	Mean Square	F	Sig.
Corrected Model	33.359[a]	20	1.668	1.019	.440
Intercept	2401.753	1	2401.753	1.467E3	.000
Pemberian_POC	13.633	6	2.272	1.387	.219
Lama_Fermentasi	3.102	2	1.551	.947	.389
Pemberian_POC * Lama_Fermentasi	16.624	12	1.385	.846	.603
Error	481.468	294	1.638		
Total	2916.580	315			
Corrected Total	514.827	314			

a. R Squared = .065 (Adjusted R Squared = .001)

1. Pemberian POC

Dependent Variable:Lebar Daun

Pemberian POC	Mean	Std. Error	95% Confidence Interval	
			Lower Bound	Upper Bound
Kontrol	2.707	.191	2.331	3.082
POC 1	2.827	.191	2.451	3.202
POC 2	3.169	.191	2.793	3.544
POC 3	2.898	.191	2.522	3.273
POC 4	2.609	.191	2.233	2.984
POC 5	2.502	.191	2.127	2.878
POC 6	2.618	.191	2.242	2.993

2. Waktu Fermentasi

Dependent Variable:Lebar Daun

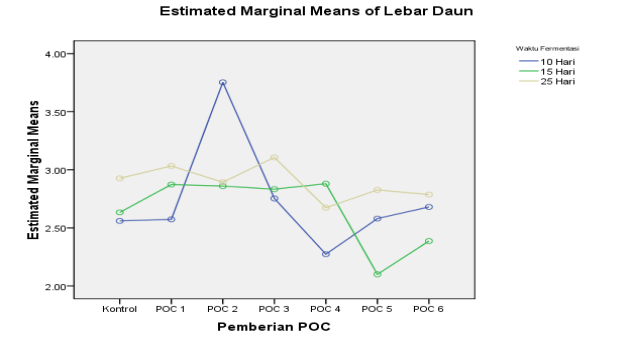
Waktu Fermentasi	Mean	Std. Error	95% Confidence Interval	
			Lower Bound	Upper Bound
10 Hari	2.739	.125	2.493	2.985
15 Hari	2.652	.125	2.407	2.898
25 Hari	2.892	.125	2.647	3.138

3. Pemberian POC * Waktu Fermentasi

Dependent Variable:Lebar Daun

Pemberian POC	Waktu Fermentasi	Mean	Std. Error	95% Confidence Interval	
				Lower Bound	Upper Bound
Kontrol	10 Hari	2.560	.330	1.910	3.210
	15 Hari	2.633	.330	1.983	3.284
	25 Hari	2.927	.330	2.276	3.577
POC 1	10 Hari	2.573	.330	1.923	3.224
	15 Hari	2.873	.330	2.223	3.524
	25 Hari	3.033	.330	2.383	3.684
POC 2	10 Hari	3.753	.330	3.103	4.404
	15 Hari	2.860	.330	2.210	3.510
	25 Hari	2.893	.330	2.243	3.544
POC 3	10 Hari	2.753	.330	2.103	3.404
	15 Hari	2.833	.330	2.183	3.484
	25 Hari	3.107	.330	2.456	3.757
POC 4	10 Hari	2.273	.330	1.623	2.924
	15 Hari	2.880	.330	2.230	3.530
	25 Hari	2.673	.330	2.023	3.324
POC 5	10 Hari	2.580	.330	1.930	3.230

	15 Hari	2.100	.330	1.450	2.750
	25 Hari	2.827	.330	2.176	3.477
POC 6	10 Hari	2.680	.330	2.030	3.330
	15 Hari	2.387	.330	1.736	3.037
	25 Hari	2.787	.330	2.136	3.437



E. Uji Dun Bonferroni

Hypothesis Test Summary

	Null Hypothesis	Test	Sig.	Decision
1	The distribution of Tinggi Tanaman is the same across categories of Waktu Fermentasi.	Independent-Samples Kruskal-Wallis Test	.000	Reject the null hypothesis.
2	The distribution of Lebar Daun is the same across categories of Waktu Fermentasi.	Independent-Samples Kruskal-Wallis Test	.000	Reject the null hypothesis.

Asymptotic significances are displayed. The significance level is .05.

Lampiran 03 Dokumentasi Pembuatan POC dan Penentuan Kadar N-organik dan Fosfor

Dokumentasi pembuatan POC dan penentuan kadar N-organik dan fosfor

<table>
<tr>
<td> 
Daun lamtoro kering</td>
<td> 
Urin kambing</td>
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<tr>
<td> 
Bonggol pisang</td>
<td> 
Fermentasi POC</td>
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<tr>
<td> 
Hasil fermentasi POC 10 hari</td>
<td> 
Hasil fermentasi 15 hari</td>
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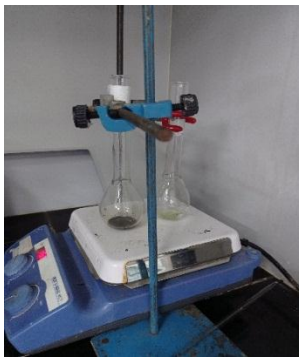
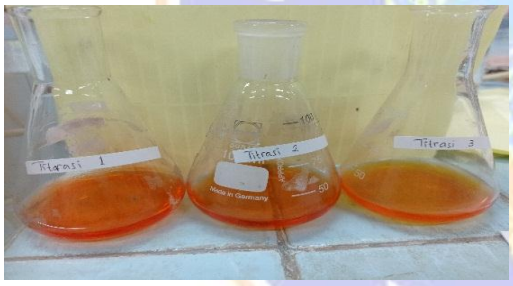
Hasil fermentasi POC 25 hari



Proses destruksi sampel POC penentuan kadar N

Proses destilasi sampel POC

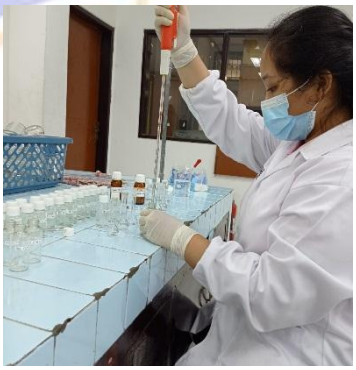
Proses titrasi



Hasil titrasi standar Na_2CO_3

Hasil titrasi sampel POC

Proses destruksi sampel POC penentuan kadar P



Pembuatan standar KH_2PO_4

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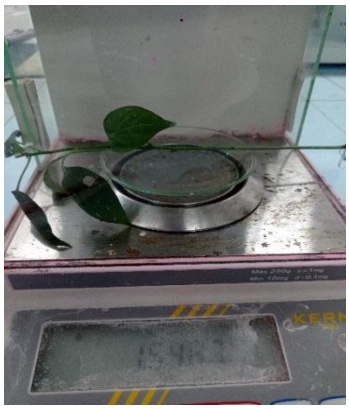
<td> 
Penimbangan berat basah tanaman cabai merah</td>
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Penimbangan berat kering tanaman cabai merah</td>
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Tanaman aplikasi POC</td>
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