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# LAMPIRAN

## Lampiran 1: Dokumentasi Penelitian

### 1. Pembuatan Bokashi



Aktivasi Bakteri



Penimbangan Bahan



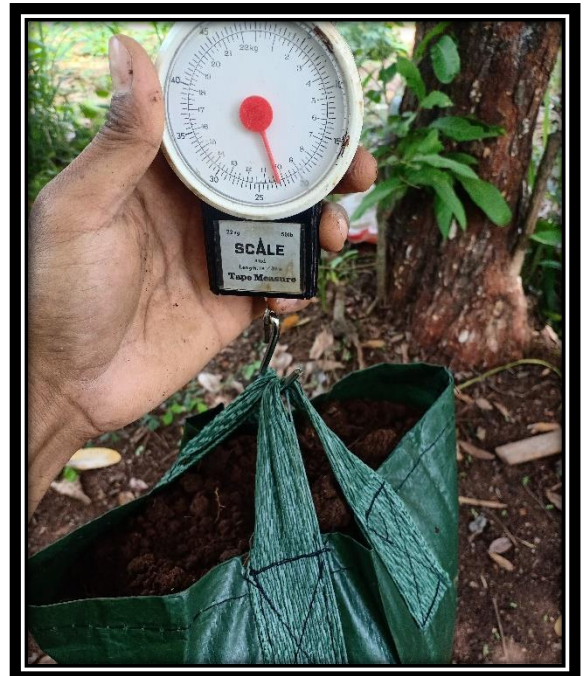
Pengadukan/Pencampuran Bahan



## 2. Persiapan Media Tanam



Pengisian Nedia Tanam (Tanah) kedalam Polybag



Penimbangan Polybag dengan 10 kg Media Tanam (Tanah)



### 3. Penimbangan Pupuk dan Penanaman Biji



Penimbangan Pupuk



Pupuk Masing-masing Perlakuan



Pengaturan Polybag sesuai Perlakuan



Penanaman Biji Sorgum



#### 4. Pertumbuhan Tanaman Sorgum (*Sorghum bicolor* L. Moench)



Pertumbuhan Tanaman Umur 0-7 Hari





Pertumbuhan Tanaman Umur 8-20 Hari

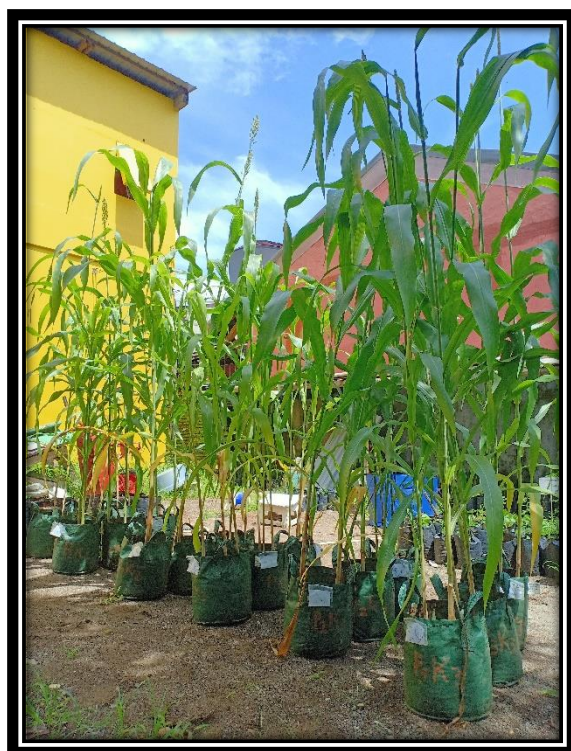




Pertumbuhan Tanaman Umur 56 Hari



Pertumbuhan Tanaman Umur 64 Hari



Pertumbuhan Tanaman Umur 70 Hari (Hari Pemanenan)





## 5. Pengukuran Parameter Pertumbuhan



Pengukuran Suhu Harian (GDU)



Pengukuran Tinggi Tanaman



Pengukuran Panjang dan Lingkar



Pengukuran Lebar, Panjang dan Jumlah Daun



## 6. Pemanenan dan Pengukuran Parameter



Pemanenan



Penimbangan Bahan Segar



Pengovenan



Penimbangan Bahan Kering



Penghalusan Bahan untuk Uji ADF &amp; NDF

## Lampiran 2. Kriteria Penilaian Hasil Analisis Tanah

Parameter Tanah	Nilai				
	Sangat Rendah	Rendah	Sedang	Tinggi	Sangat Tinggi
C (%)	<1	1-2	2-3	3-5	>5
N (%)	<0,1	0,1–0,2	0,21–0,5	0,51-0,75	>0,75
C/N	<5	5-10	11-15	16-25	>25
P2O2 Olsen (ppm P)	<5	5-10	11-15	16-20	>20
K (me/100 gr tanah)	<0,1	0,1-0,3	0,4-0,5	0,6-1	>1

## Lampiran 3: Analisis Statistik

### 1. TINGGI TANAMAN

#### Descriptive Statistics

Dependent Variable: Tinggi\_Tanaman

Kerapatan	Pupuk	Mean	Std. Deviation	N
K2	P1	201.7000	17.76626	3
	P2	201.9000	25.58339	3
	P3	236.7000	12.15031	3
	Total	213.4333	24.16516	9
K3	P1	171.2000	5.78878	3
	P2	176.8667	29.77454	3
	P3	216.9667	5.35755	3
	Total	188.3444	26.53343	9
Total	P1	186.4500	20.46302	6
	P2	189.3833	28.36219	6
	P3	226.8333	13.68776	6
	Total	200.8889	27.79797	18



### Tests of Between-Subjects Effects

Dependent Variable: Tinggi\_Tanaman

Source	Type III Sum of Squares	df	Mean Square	F	Sig.
Corrected Model	9003.324 <sup>a</sup>	5	1800.665	5.228	.009
Intercept	726414.222	1	726414.222	2109.098	.000
Kerapatan	2832.536	1	2832.536	8.224	.014
Pupuk	6083.841	2	3041.921	8.832	.004
Kerapatan * Pupuk	86.948	2	43.474	.126	.883
Error	4133.033	12	344.419		
Total	739550.580	18			
Corrected Total	13136.358	17			

a. R Squared = .685 (Adjusted R Squared = .554)

### Tinggi\_Tanaman

Duncan<sup>a,b</sup>

Pupuk	N	Subset	
		1	2
P1	6	186.4500	
P2	6	189.3833	
P3	6		226.8333
Sig.		.789	1.000

Means for groups in homogeneous subsets are displayed.

Based on observed means.

The error term is Mean Square(Error) = 344.419.

a. Uses Harmonic Mean Sample Size = 6.000.

b. Alpha = .05.

## 2. PANJANG HELAI DAUN

### Descriptive Statistics

Dependent Variable: Panjang\_Daun

Kerapatan	Pupuk	Mean	Std. Deviation	N
K2	P1	87.1000	3.11929	3
	P2	92.7667	1.96554	3
	P3	96.1667	5.45191	3
	Total	92.0111	5.15399	9
K3	P1	81.2000	.72111	3
	P2	84.0667	9.02570	3
	P3	93.1000	3.41760	3
	Total	86.1222	7.23495	9
Total	P1	84.1500	3.81353	6
	P2	88.4167	7.53908	6
	P3	94.6333	4.40258	6
	Total	89.0667	6.80536	18

### Tests of Between-Subjects Effects

Dependent Variable: Panjang\_Daun

Source	Type III Sum of Squares	df	Mean Square	F	Sig.
Corrected Model	513.360 <sup>a</sup>	5	102.672	4.497	.015
Intercept	142791.680	1	142791.680	6254.563	.000
Kerapatan	156.056	1	156.056	6.836	.023
Pupuk	333.503	2	166.752	7.304	.008
Kerapatan * Pupuk	23.801	2	11.901	.521	.607
Error	273.960	12	22.830		
Total	143579.000	18			
Corrected Total	787.320	17			

a. R Squared = .652 (Adjusted R Squared = .507)

### Panjang\_Daun

Duncan<sup>a,b</sup>

Pupuk	N	Subset	
		1	2
P1	6	84.1500	
P2	6	88.4167	
P3	6		94.6333
Sig.		.148	1.000

Means for groups in homogeneous subsets are displayed.

Based on observed means.

The error term is Mean Square(Error) = 22.830.

a. Uses Harmonic Mean Sample Size = 6.000.

b. Alpha = .05.

### 3. LEBAR DAUN

#### Descriptive Statistics

Dependent Variable: Lebar\_Daun

Kerapatan	Pupuk	Mean	Std. Deviation	N
K2	P1	5.9000	.70000	3
	P2	6.5667	.37859	3
	P3	7.6000	.81854	3
	Total	6.6889	.93601	9
K3	P1	4.7333	.15275	3
	P2	6.0333	1.01160	3
	P3	6.1667	.05774	3
	Total	5.6444	.85602	9
Total	P1	5.3167	.78337	6
	P2	6.3000	.74297	6
	P3	6.8833	.94110	6
	Total	6.1667	1.02268	18

### Tests of Between-Subjects Effects

Dependent Variable: Lebar\_Daun

Source	Type III Sum of Squares	df	Mean Square	F	Sig.
Corrected Model	13.073 <sup>a</sup>	5	2.615	6.666	.003
Intercept	684.500	1	684.500	1745.184	.000
Kerapatan	4.909	1	4.909	12.516	.004
Pupuk	7.523	2	3.762	9.591	.003
Kerapatan * Pupuk	.641	2	.321	.817	.465
Error	4.707	12	.392		
Total	702.280	18			
Corrected Total	17.780	17			

a. R Squared = .735 (Adjusted R Squared = .625)

### Lebar\_Daun

Duncan<sup>a,b</sup>

Pupuk	N	Subset	
		1	2
P1	6	5.3167	
P2	6		6.3000
P3	6		6.8833
Sig.		1.000	.133

Means for groups in homogeneous subsets are displayed.

Based on observed means.

The error term is Mean Square(Error) = .392.

a. Uses Harmonic Mean Sample Size = 6.000.

b. Alpha = .05.

## 4. JUMLAH DAUN

**Descriptive Statistics**

Dependent Variable: Jumlah\_Daun

Kerapatan	Pupuk	Mean	Std. Deviation	N
K2	P1	8.00	.000	3
	P2	7.67	1.155	3
	P3	7.67	.577	3
	Total	7.78	.667	9
K3	P1	7.33	.577	3
	P2	7.33	.577	3
	P3	7.00	.000	3
	Total	7.22	.441	9
Total	P1	7.67	.516	6
	P2	7.50	.837	6
	P3	7.33	.516	6
	Total	7.50	.618	18

**Tests of Between-Subjects Effects**

Dependent Variable: Jumlah\_Daun

Source	Type III Sum of Squares	df	Mean Square	F	Sig.
Corrected Model	1.833 <sup>a</sup>	5	.367	.943	.488
Intercept	1012.500	1	1012.500	2603.571	.000
Kerapatan	1.389	1	1.389	3.571	.083
Pupuk	.333	2	.167	.429	.661
Kerapatan * Pupuk	.111	2	.056	.143	.868
Error	4.667	12	.389		
Total	1019.000	18			
Corrected Total	6.500	17			

a. R Squared = .282 (Adjusted R Squared = -.017)

### Jumlah\_Daun

Duncan<sup>a,b</sup>

Pupuk	N	Subset 1
P3	6	7.33
P2	6	7.50
P1	6	7.67
Sig.		.396

Means for groups in homogeneous subsets are displayed.

Based on observed means.

The error term is Mean Square(Error) = .389.

a. Uses Harmonic Mean Sample Size = 6.000.

b. Alpha = .05.

## 5. PANJANG RUAS

### Descriptive Statistics

Dependent Variable: Panjang\_Ruas

Kerapatan	Pupuk	Mean	Std. Deviation	N
K2	P1	17.6000	.55678	3
	P2	17.9000	2.29129	3
	P3	19.3667	1.48436	3
	Total	18.2889	1.61589	9
K3	P1	17.9000	1.44222	3
	P2	15.1333	3.23471	3
	P3	18.7333	.15275	3
	Total	17.2556	2.40941	9
Total	P1	17.7500	.99146	6
	P2	16.5167	2.92945	6
	P3	19.0500	1.00548	6
	Total	17.7722	2.05993	18

### Tests of Between-Subjects Effects

Dependent Variable: Panjang\_Ruas

Source	Type III Sum of Squares	df	Mean Square	F	Sig.
Corrected Model	31.476 <sup>a</sup>	5	6.295	1.858	.176
Intercept	5685.334	1	5685.334	1677.915	.000
Kerapatan	4.805	1	4.805	1.418	.257
Pupuk	19.258	2	9.629	2.842	.098
Kerapatan * Pupuk	7.413	2	3.707	1.094	.366
Error	40.660	12	3.388		
Total	5757.470	18			
Corrected Total	72.136	17			

a. R Squared = .436 (Adjusted R Squared = .201)

### Panjang\_Ruas

Duncan<sup>a,b</sup>

Pupuk	N	Subset	
		1	2
P2	6	16.5167	
P1	6	17.7500	17.7500
P3	6		19.0500
Sig.		.268	.245

Means for groups in homogeneous subsets are displayed.

Based on observed means.

The error term is Mean Square(Error) = 3.388.

a. Uses Harmonic Mean Sample Size = 6.000.

b. Alpha = .05.

## 6. LINGKAR BATANG

**Descriptive Statistics**

Dependent Variable: Lingkar\_Batang

Kerapatan	Pupuk	Mean	Std. Deviation	N
K2	P1	4.7000	1.17898	3
	P2	5.2667	.40415	3
	P3	5.7667	.56862	3
	Total	5.2444	.82630	9
K3	P1	4.3333	.05774	3
	P2	4.9333	.77675	3
	P3	4.6667	.11547	3
	Total	4.6444	.47199	9
Total	P1	4.5167	.77309	6
	P2	5.1000	.58310	6
	P3	5.2167	.70545	6
	Total	4.9444	.72211	18

**Tests of Between-Subjects Effects**

Dependent Variable: Lingkar\_Batang

Source	Type III Sum of Squares	df	Mean Square	F	Sig.
Corrected Model	3.871 <sup>a</sup>	5	.774	1.861	.175
Intercept	440.056	1	440.056	1057.543	.000
Kerapatan	1.620	1	1.620	3.893	.072
Pupuk	1.688	2	.844	2.028	.174
Kerapatan * Pupuk	.563	2	.282	.677	.527
Error	4.993	12	.416		
Total	448.920	18			
Corrected Total	8.864	17			

a. R Squared = .437 (Adjusted R Squared = .202)



### Lingkar\_Batang

Duncan<sup>a,b</sup>

Pupuk	N	Subset	
		1	
P1	6	4.5167	
P2	6	5.1000	
P3	6	5.2167	
Sig.		.098	

Means for groups in homogeneous subsets are displayed.

Based on observed means.

The error term is Mean Square(Error) = .416.

a. Uses Harmonic Mean Sample Size = 6.000.

b. Alpha = .05.

## 7. BERAT SEGAR BATANG

### Descriptive Statistics

Dependent Variable:HASIL\_h

PUPUK_KEPADATAN_P P	K	Mean	Std. Deviation	N
P1	K1	1.7460E2	43.22511	3
	K2	1.5480E2	1.70880	3
	Total	1.6470E2	29.43032	6
P2	K1	1.9417E2	63.25412	3
	K2	2.0673E2	110.19262	3
	Total	2.0045E2	80.65219	6
P3	K1	3.1857E2	46.48788	3
	K2	3.1770E2	22.78684	3
	Total	3.1813E2	32.74707	6
Total	K1	2.2911E2	81.12171	9
	K2	2.2641E2	91.43046	9
	Total	2.2776E2	83.86084	18

### Tests of Between-Subjects Effects

Dependent Variable: Hasil\_h

Source	Type III Sum of Squares	df	Mean Square	F	Sig.
Corrected Model	78164.503 <sup>a</sup>	5	15632.901	4.532	.015
Intercept	933752.227	1	933752.227	270.716	.000
PUPUK_P	77338.434	2	38669.217	11.211	.002
KEPADATAN_K	32.805	1	32.805	.010	.924
PUPUK_P * KEPADATAN_K	793.263	2	396.632	.115	.892
Error	41390.380	12	3449.198		
Total	1053307.110	18			
Corrected Total	119554.883	17			

a. R Squared = ,654 (Adjusted R Squared = ,510)

### HASIL\_h

Duncan

PUPUK_P	N	Subset	
		1	2
P1	6	1.6470E2	
P2	6	2.0045E2	
P3	6		3.1813E2
Sig.		.312	1.000

Means for groups in homogeneous subsets are displayed.

Based on observed means.

The error term is Mean Square(Error) = 3449,198.

## 8. BERAT (SEGAR) DAUN

## Descriptive Statistics

Dependent Variable:HASIL\_H

PUPUK_KEPADATAN_		Mean	Std. Deviation	N
P1	K1	85.2667	24.17113	3
	K2	70.7000	6.16117	3
	Total	77.9833	17.67873	6
P2	K1	87.2667	8.98907	3
	K2	1.0507E2	54.85930	3
	Total	96.1667	36.48549	6
P3	K1	1.1167E2	24.01506	3
	K2	1.1840E2	7.44849	3
	Total	1.1503E2	16.32430	6
Total	K1	94.7333	21.73666	9
	K2	98.0556	35.07154	9
	Total	96.3944	28.35658	18

## Tests of Between-Subjects Effects

Dependent Variable:HASIL\_H

Source	Type III Sum of Squares	df	Mean Square	F	Sig.
Corrected Model	4980.123 <sup>a</sup>	5	996.025	1.375	.300
Intercept	167254.001	1	167254.001	230.974	.000
PUPUK_P	4118.574	2	2059.287	2.844	.098
KEPADATAN_K	49.667	1	49.667	.069	.798
PUPUK_P * KEPADATAN_K	811.881	2	405.941	.561	.585
Error	8689.507	12	724.126		
Total	180923.630	18			
Corrected Total	13669.629	17			

a. R Squared = ,364 (Adjusted R Squared = ,099)

### HASIL\_H

Duncan

PUPUK_P	N	Subset	
		1	2
P1	6	77.9833	
P2	6	96.1667	96.1667
P3	6		1.1503E2
Sig.		.265	.248

Means for groups in homogeneous subsets are displayed.

Based on observed means.

The error term is Mean Square(Error) = 724,126.

## 9. BERAT SEGAR

### Descriptive Statistics

Dependent Variable: Berat\_Segar

Kerapatan	Pupuk	Mean	Std. Deviation	N
K2	P1	267.3000	71.19663	3
	P2	275.9000	58.80366	3
	P3	413.2333	56.34335	3
	Total	318.8111	89.18643	9
K3	P1	215.0667	7.13185	3
	P2	294.4667	150.61771	3
	P3	416.5333	44.78854	3
	Total	308.6889	117.93992	9
Total	P1	241.1833	53.53901	6
	P2	285.1833	102.76596	6
	P3	414.8833	45.55767	6
	Total	313.7500	101.56812	18

### Tests of Between-Subjects Effects

Dependent Variable: Berat\_Segar

Source	Type III Sum of Squares	df	Mean Square	F	Sig.
Corrected Model	102485.458 <sup>a</sup>	5	20497.092	3.375	.039
Intercept	1771903.125	1	1771903.125	291.720	.000
Kerapatan	461.067	1	461.067	.076	.788
Pupuk	97859.560	2	48929.780	8.056	.006
Kerapatan * Pupuk	4164.831	2	2082.416	.343	.716
Error	72887.947	12	6073.996		
Total	1947276.530	18			
Corrected Total	175373.405	17			

a. R Squared = .584 (Adjusted R Squared = .411)

### Berat\_Segar

	Pupuk	N	Subset	
			1	2
Duncan <sup>a,b</sup>	P1	6	241.1833	
	P2	6	285.1833	
	P3	6		414.8833
	Sig.		.347	1.000

Means for groups in homogeneous subsets are displayed.

Based on observed means.

The error term is Mean Square(Error) = 6073.996.

a. Uses Harmonic Mean Sample Size = 6.000.

b. Alpha = .05.

## 10. BERAT KERING

**Descriptive Statistics**

Dependent Variable: Berat\_Kering

Kerapatan	Pupuk	Mean	Std. Deviation	N
K2	P1	60.3333	12.34234	3
	P2	57.3333	9.29157	3
	P3	81.3333	5.50757	3
	Total	66.3333	13.98213	9
K3	P1	46.0000	4.35890	3
	P2	53.3333	22.05297	3
	P3	83.0000	6.24500	3
	Total	60.7778	20.58991	9
Total	P1	53.1667	11.40906	6
	P2	55.3333	15.29270	6
	P3	82.1667	5.34478	6
	Total	63.5556	17.31107	18

**Tests of Between-Subjects Effects**

Dependent Variable: Berat\_Kering

Source	Type III Sum of Squares	df	Mean Square	F	Sig.
Corrected Model	3467.778 <sup>a</sup>	5	693.556	5.116	.010
Intercept	72707.556	1	72707.556	536.367	.000
Kerapatan	138.889	1	138.889	1.025	.331
Pupuk	3131.444	2	1565.722	11.550	.002
Kerapatan * Pupuk	197.444	2	98.722	.728	.503
Error	1626.667	12	135.556		
Total	77802.000	18			
Corrected Total	5094.444	17			

a. R Squared = .681 (Adjusted R Squared = .548)

### Berat\_Kering

	Pupuk	N	Subset	
			1	2
Duncan <sup>a,b</sup>	P1	6	53.1667	
	P2	6	55.3333	
	P3	6		82.1667
	Sig.		.753	1.000

Means for groups in homogeneous subsets are displayed.

Based on observed means.

The error term is Mean Square(Error) = 135.556.

a. Uses Harmonic Mean Sample Size = 6.000.

b. Alpha = .05.

## 11. KANDUNGAN BRIX

### Descriptive Statistics

Dependent Variable: BRIX

Kerapatan	Pupuk	Mean	Std. Deviation	N
K2	P1	4.8333	1.01160	3
	P2	3.6000	.62450	3
	P3	5.7000	.60828	3
	Total	4.7111	1.13186	9
K3	P1	4.3333	.65064	3
	P2	4.4667	1.50111	3
	P3	4.5667	.58595	3
	Total	4.4556	.87480	9
Total	P1	4.5833	.80850	6
	P2	4.0333	1.13255	6
	P3	5.1333	.81894	6
	Total	4.5833	.99010	18

### Tests of Between-Subjects Effects

Dependent Variable: BRIX

Source	Type III Sum of Squares	df	Mean Square	F	Sig.
Corrected Model	7.058 <sup>a</sup>	5	1.412	1.763	.195
Intercept	378.125	1	378.125	472.328	.000
Kerapatan	.294	1	.294	.367	.556
Pupuk	3.630	2	1.815	2.267	.146
Kerapatan * Pupuk	3.134	2	1.567	1.958	.184
Error	9.607	12	.801		
Total	394.790	18			
Corrected Total	16.665	17			

a. R Squared = .424 (Adjusted R Squared = .183)

### BRIX

Duncan<sup>a,b</sup>

Pupuk	N	Subset
		1
P2	6	4.0333
P1	6	4.5833
P3	6	5.1333
Sig.		.065

Means for groups in homogeneous subsets are displayed.

Based on observed means.

The error term is Mean Square(Error) = .801.

a. Uses Harmonic Mean Sample Size = 6.000.

b. Alpha = .05.



## 12. KANDUNGAN NDF

**Descriptive Statistics**

Dependent Variable: NDF

Kerapatan	Pupuk	Mean	Std. Deviation	N
K2	P1	68.0267	2.04998	3
	P2	68.0400	1.23887	3
	P3	68.1300	.65506	3
	Total	68.0656	1.24256	9
K3	P1	66.9300	1.27106	3
	P2	63.8233	2.26240	3
	P3	66.9733	2.07597	3
	Total	65.9089	2.28208	9
Total	P1	67.4783	1.63952	6
	P2	65.9317	2.82761	6
	P3	67.5517	1.51554	6
	Total	66.9872	2.09965	18

**Tests of Between-Subjects Effects**

Dependent Variable: NDF

Source	Type III Sum of Squares	df	Mean Square	F	Sig.
Corrected Model	40.525 <sup>a</sup>	5	8.105	2.826	.065
Intercept	80771.183	1	80771.183	28159.622	.000
Kerapatan	20.930	1	20.930	7.297	.019
Pupuk	10.044	2	5.022	1.751	.215
Kerapatan * Pupuk	9.551	2	4.775	1.665	.230
Error	34.420	12	2.868		
Total	80846.128	18			
Corrected Total	74.945	17			

a. R Squared = .541 (Adjusted R Squared = .349)

**NDF**Duncan<sup>a,b</sup>

Pupuk	N	Subset
		1
P2	6	65.9317
P1	6	67.4783
P3	6	67.5517
Sig.		.140

Means for groups in homogeneous subsets are displayed.

Based on observed means.

The error term is Mean Square(Error) = 2.868.

a. Uses Harmonic Mean Sample Size = 6.000.

b. Alpha = .05.

**13. KANDUNGAN ADF****Descriptive Statistics**

Dependent Variable: ADF

Kerapatan	Pupuk	Mean	Std. Deviation	N
K2	P1	46.8300	.86261	3
	P2	43.0967	.90290	3
	P3	44.6667	.77035	3
	Total	44.8644	1.78144	9
K3	P1	43.7867	1.52231	3
	P2	42.3233	1.55918	3
	P3	48.3633	.54446	3
	Total	44.8244	2.95082	9
Total	P1	45.3083	2.00079	6
	P2	42.7100	1.21570	6
	P3	46.5150	2.11082	6
	Total	44.8444	2.36462	18

### Tests of Between-Subjects Effects

Dependent Variable: ADF

Source	Type III Sum of Squares	df	Mean Square	F	Sig.
Corrected Model	80.659 <sup>a</sup>	5	16.132	13.447	.000
Intercept	36198.436	1	36198.436	30175.142	.000
Kerapatan	.007	1	.007	.006	.940
Pupuk	45.371	2	22.685	18.911	.000
Kerapatan * Pupuk	35.281	2	17.640	14.705	.001
Error	14.395	12	1.200		
Total	36293.490	18			
Corrected Total	95.054	17			

a. R Squared = .849 (Adjusted R Squared = .785)

### ADF

Duncan<sup>a,b</sup>

Pupuk	N	Subset	
		1	2
P2	6	42.7100	
P1	6		45.3083
P3	6		46.5150
Sig.		1.000	.081

Means for groups in homogeneous subsets are displayed.

Based on observed means.

The error term is Mean Square(Error) = 1.200.

a. Uses Harmonic Mean Sample Size = 6.000.

b. Alpha = .05.

## RIWAYAT HIDUP



**Fahruddin wakano**, Lahir pada tanggal 19 Juli 1997 di Desa Hualoy, Kabupaten Seram bagian barat, Maluku. Penulis merupakan anak ke-3 dari 5 bersaudara dari pasangan **Drs. Ali Wakano** dan **Dra. Mulyanti Musa**. Penulis yang akrab disapa Fahru ini melewati jenjang pendidikan formal masa kecilnya di SD Negeri Purwosari, kab. Parigi Moutong, kemudian melanjutkan pendidikannya di SMP Negeri 1 Torue dan SMK Negeri 1 Parigi Selatan di kabupaten yang sama. Pada tahun 2015 hingga 2019, Ketertarikannya pada dunia peternakan mendorongnya untuk mengeksplorasi dan memperluas wawasannya di bidang peternakan, sehingga Penulis melanjutkan studinya di Fakultas Peternakan Universitas Hasanuddin, Makassar. Kemudian pada tahun 2019 hingga 2021 penulis melanjutkan ke jenjang selanjutnya di Sekolah Pascasarjana Universitas Hasanuddin dan mengambil jurusan Ilmu dan Teknologi Peternakan guna memperdalam khasanah keilmuannya. Saat ini selain mempelajari bidang peternakan, Fahru mulai mengembangkan pengetahuannya di bidang Sejarah Islam dan sejarah dunia, dan berharap dapat *sharing* pengetahuan yang diperolehnya kepada masyarakat secara luas.