

LAMPIRAN 1

Data Jumlah Kandungan Nutrisi Sabut Siwalan Sebelum dan Sesudah

Fermentasi EM-4

1. Tabel Kandungan Bahan Kering (BK) dalam Sabut Siwalan

Perlakuan	Ulangan			Jumlah	Rata-rata
	1	2	3		
P0 (kontrol)	89.52	90.54	90.04	270.1	90.05
PI	91.32	92.04	89.93	273.29	91.1
PII	91.67	91.64	91.03	274.34	91.45
PIII	92.05	93.61	91.3	276.96	92.32
PIV	92.72	92.62	92.65	277.99	92.66

2. Tabel Kandungan Bahan Organik (BO) dalam Sabut Siwalan

Perlakuan	Ulangan			Jumlah	Rata-rata
	1	2	3		
P0 (kontrol)	94.8	94.64	94.8	284.24	94.74667
PI	93.76	93.46	93.41	280.63	93.54333
PII	91.68	91.1	91.01	273.79	91.26333
PIII	85.29	85.22	81.22	251.73	83.91
PIV	77.66	74.31	77.66	229.63	76.54333

3. Tabel Kandungan Protein Kasar (PK) dalam Sabut Siwalan

Perlakuan	Ulangan			Jumlah	Rata-rata
	1	2	3		
P0 (kontrol)	5.85	6.04	5.86	17.75	5.95
PI	6.84	9.72	7.08	23.64	8.28
PII	10.96	9.78	10.01	30.75	10.25
PIII	13.98	13.92	11.23	39.13	13.04
PIV	16.53	17.84	16.34	50.71	16.9

4. Tabel Kandungan Serat Kasar (SK) dalam Sabut Siwalan

Perlakuan	Ulangan			Jumlah	Rata-rata
	1	2	3		
P0 (kontrol)	23.64	23.43	23.53	70.6	23.53
PI	29.88	29.57	29.61	89.06	29.68
PII	30.18	30.1	30.15	90.43	30.14
PIII	30.3	27.96	33.14	91.4	30.46
PIV	31.56	31.34	31.51	94.41	31.47

5. Tabel Kandungan Lemak Kasar (LK) dalam Sabut Siwalan

Perlakuan	Ulangan			Jumlah	Rata-rata
	1	2	3		
P0 (kontrol)	1.02	1.05	1.04	3.11	1.04
PI	0.97	1.06	1.05	3.08	1.02
PII	1.08	0.94	1.01	3.03	1.01
PIII	0.94	0.92	0.91	2.77	0.92
PIV	0.83	1	0.92	2.75	0.91

6. Tabel Kandungan Karbohidrat dalam Sabut Siwalan

Perlakuan	Ulangan			Jumlah	Rata-rata
	1	2	3		
P0 (kontrol)	86.94	87.52	88.73	263.19	87.73
PI	86.15	85.96	86.64	258.75	86.25
PII	80	80.43	79.57	240	80
PIII	68.99	70.14	70.75	209.88	69.96
PIV	59.02	57.65	59.52	176.19	58.73

LAMPIRAN 2

Data Jumlah Kecernaan dan Total Kecernaan *Total Digestibility Nutrient* (TDN) Sabut Siwalan yang Difermentasi EM-4

1. Tabel Kecernaan Bahan Kering (KCBK) Sabut Siwalan

Perlakuan	Ulangan			Jumlah	Rata-rata
	1	2	3		
P0 (kontrol)	52.246	50.342	47.834	150.422	50.141
PI	50.706	51.40	53.399	155.509	51.84
PII	54.661	55.107	58.026	167.794	55.94
PIII	61.493	62.231	63.469	187.193	62.4
PIV	62.1	61.87	59.72	183.69	61.23

2. Tabel Kecernaan Bahan Organik (KCBO) Sabut Siwalan

Perlakuan	Ulangan			Jumlah	Rata-rata
	1	2	3		
P0 (kontrol)	49.584	50.636	47.037	147.257	49.09
PI	66.696	50.443	58.628	175.767	58.589
PII	52.871	54.768	56.346	163.985	54.66
PIII	60.077	61.238	62.245	183.56	61.19
PIV	61.245	60.8	58.441	180.486	60.162

3. Tabel *Total Digestibility Nutrient* (TDN) Sabut Siwalan

Perlakuan	Ulangan			Jumlah	Rata-rata
	1	2	3		
P0 (kontrol)	49.31	50.36	46.78	146.45	48.82
PI	66.91	50.6	58.81	176.32	58.77
PII	53.02	54.92	56.51	164.45	54.81
PIII	60.41	61.58	62.59	184.58	61.53
PIV	61.72	61.27	58.9	181.89	60.63

LAMPIRAN 3

Hasil Analisa Statistik Kecernaan menggunakan SPSS 16.0

1. Kandungan Bahan Kering

One Way ANOVA

data					
	Sum of Squares	df	Mean Square	F	Sig.
Between Groups	13.025	4	3.256	5.552	.013
Within Groups	5.865	10	.586		
Total	18.890	14			

Post Hoc Multiple Comparisons

(I) perlakuan	(J) perlakuan	Mean Difference (I- J)	Std. Error	Sig.	95% Confidence Interval	
					Lower Bound	Upper Bound
1	2	-1.06333	.62528	.120	-2.4565	.3299
	3	-1.41333*	.62528	.047	-2.8065	-.0201
	4	-2.28667*	.62528	.004	-3.6799	-.8935
	5	-2.63000*	.62528	.002	-4.0232	-1.2368
2	1	1.06333	.62528	.120	-.3299	2.4565
	3	-.35000	.62528	.588	-1.7432	1.0432
	4	-1.22333	.62528	.079	-2.6165	.1699
	5	-1.56667*	.62528	.031	-2.9599	-.1735
3	1	1.41333*	.62528	.047	.0201	2.8065
	2	.35000	.62528	.588	-1.0432	1.7432
	4	-.87333	.62528	.193	-2.2665	.5199
	5	-1.21667	.62528	.080	-2.6099	.1765
4	1	2.28667*	.62528	.004	.8935	3.6799
	2	1.22333	.62528	.079	-.1699	2.6165
	3	.87333	.62528	.193	-.5199	2.2665
	5	-.34333	.62528	.595	-1.7365	1.0499
5	1	2.63000*	.62528	.002	1.2368	4.0232
	2	1.56667*	.62528	.031	.1735	2.9599

	3	1.21667	.62528	.080	-.1765	2.6099
	4	.34333	.62528	.595	-1.0499	1.7365

*. The mean difference is significant at the 0.05 level.

Homogeneous Subsets

data					
			Subset for alpha = 0.05		
	perlakuan	N	1	2	3
Duncan ^a	1	3	90.0333		
	2	3	91.0967	91.0967	
	3	3	91.4467	91.4467	91.4467
	4	3		92.3200	92.3200
	5	3			92.6633
	Sig.		.056	.091	.092

Means for groups in homogeneous subsets are displayed.

a. Uses Harmonic Mean Sample Size = 3.000.

2. Kandungan Bahan Organik

One Way ANOVA

data					
	Sum of Squares	df	Mean Square	F	Sig.
Between Groups	704.636	4	176.159	94.246	.000
Within Groups	18.691	10	1.869		
Total	723.328	14			

Post Hoc Multiple Comparisons

(I) perlakuan	(J) perlakuan	Mean Difference (I- J)	Std. Error	Sig.	95% Confidence Interval	
					Lower Bound	Upper Bound
1	2	1.20333	1.11629	.306	-1.2839	3.6906
	3	3.48333*	1.11629	.011	.9961	5.9706
	4	10.83667*	1.11629	.000	8.3494	13.3239
	5	18.20333*	1.11629	.000	15.7161	20.6906
2	1	-1.20333	1.11629	.306	-3.6906	1.2839
	3	2.28000	1.11629	.068	-.2072	4.7672
	4	9.63333*	1.11629	.000	7.1461	12.1206
	5	17.00000*	1.11629	.000	14.5128	19.4872
3	1	-3.48333*	1.11629	.011	-5.9706	-.9961
	2	-2.28000	1.11629	.068	-4.7672	.2072
	4	7.35333*	1.11629	.000	4.8661	9.8406
	5	14.72000*	1.11629	.000	12.2328	17.2072
4	1	-10.83667*	1.11629	.000	-13.3239	-8.3494
	2	-9.63333*	1.11629	.000	-12.1206	-7.1461
	3	-7.35333*	1.11629	.000	-9.8406	-4.8661
	5	7.36667*	1.11629	.000	4.8794	9.8539
5	1	-18.20333*	1.11629	.000	-20.6906	-15.7161
	2	-17.00000*	1.11629	.000	-19.4872	-14.5128
	3	-14.72000*	1.11629	.000	-17.2072	-12.2328
	4	-7.36667*	1.11629	.000	-9.8539	-4.8794
*. The mean difference is significant at the 0.05 level.						

Homogeneous Subsets

data						
	perlakuan	N	Subset for alpha = 0.05			
			1	2	3	4
Duncan ^a	5	3	76.5433			
	4	3		83.9100		
	3	3			91.2633	
	2	3			93.5433	93.5433
	1	3				94.7467
	Sig.		1.000	1.000	.068	.306

Means for groups in homogeneous subsets are displayed.

a. Uses Harmonic Mean Sample Size = 3.000.

3. Kandungan Protein Kasar

**One Way
ANOVA**

data					
	Sum of Squares	df	Mean Square	F	Sig.
Between Groups	224.877	4	56.219	46.154	.000
Within Groups	12.181	10	1.218		
Total	237.058	14			

**Post Hoc
Multiple Comparisons**

data LSD						
(I) perlakuan	(J) perlakuan	Mean Difference (I- J)	Std. Error	Sig.	95% Confidence Interval	
					Lower Bound	Upper Bound
1	2	-1.96333	.90114	.054	-3.9712	.0445
	3	-4.33333*	.90114	.001	-6.3412	-2.3255
	4	-7.12667*	.90114	.000	-9.1345	-5.1188
	5	-10.98667*	.90114	.000	-12.9945	-8.9788
2	1	1.96333	.90114	.054	-.0445	3.9712
	3	-2.37000*	.90114	.025	-4.3779	-.3621
	4	-5.16333*	.90114	.000	-7.1712	-3.1555
	5	-9.02333*	.90114	.000	-11.0312	-7.0155
3	1	4.33333*	.90114	.001	2.3255	6.3412
	2	2.37000*	.90114	.025	.3621	4.3779
	4	-2.79333*	.90114	.011	-4.8012	-.7855
	5	-6.65333*	.90114	.000	-8.6612	-4.6455
4	1	7.12667*	.90114	.000	5.1188	9.1345
	2	5.16333*	.90114	.000	3.1555	7.1712
	3	2.79333*	.90114	.011	.7855	4.8012
	5	-3.86000*	.90114	.002	-5.8679	-1.8521
5	1	10.98667*	.90114	.000	8.9788	12.9945
	2	9.02333*	.90114	.000	7.0155	11.0312
	3	6.65333*	.90114	.000	4.6455	8.6612

	4	3.86000*	.90114	.002	1.8521	5.8679
*. The mean difference is significant at the 0.05 level.						

Homogeneous Subsets						
data						
	perlakuan	N	Subset for alpha = 0.05			
			1	2	3	4
Duncan ^a	1	3	5.9167			
	2	3	7.8800			
	3	3		10.2500		
	4	3			13.0433	
	5	3				16.9033
	Sig.		.054	1.000	1.000	1.000

Means for groups in homogeneous subsets are displayed.

a. Uses Harmonic Mean Sample Size = 3.000.

4. Kandungan Serat Kasar

**One Way
ANOVA**

data					
	Sum of Squares	df	Mean Square	F	Sig.
Between Groups	112.400	4	28.100	91.734	.000
Within Groups	3.063	10	.306		
Total	115.463	14			

**Post Hoc
Multiple Comparisons**

data LSD						
(I) perlakuan	(J) perlakuan	Mean Difference (I- J)	Std. Error	Sig.	95% Confidence Interval	
					Lower Bound	Upper Bound
1	2	-6.15333*	.45190	.000	-7.1602	-5.1464
	3	-6.61000*	.45190	.000	-7.6169	-5.6031
	4	-5.40667*	.45190	.000	-6.4136	-4.3998
	5	-7.93667*	.45190	.000	-8.9436	-6.9298
2	1	6.15333*	.45190	.000	5.1464	7.1602
	3	-.45667	.45190	.336	-1.4636	.5502
	4	.74667	.45190	.129	-.2602	1.7536
	5	-1.78333*	.45190	.003	-2.7902	-.7764
3	1	6.61000*	.45190	.000	5.6031	7.6169
	2	.45667	.45190	.336	-.5502	1.4636
	4	1.20333*	.45190	.024	.1964	2.2102
	5	-1.32667*	.45190	.015	-2.3336	-.3198
4	1	5.40667*	.45190	.000	4.3998	6.4136
	2	-.74667	.45190	.129	-1.7536	.2602
	3	-1.20333*	.45190	.024	-2.2102	-.1964
	5	-2.53000*	.45190	.000	-3.5369	-1.5231
5	1	7.93667*	.45190	.000	6.9298	8.9436
	2	1.78333*	.45190	.003	.7764	2.7902
	3	1.32667*	.45190	.015	.3198	2.3336

	4	2.53000*	.45190	.000	1.5231	3.5369
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*. The mean difference is significant at the 0.05 level.

Homogeneous Subsets

data						
	perlakuan	N	Subset for alpha = 0.05			
			1	2	3	4
Duncan ^a	1	3	23.5333			
	4	3		28.9400		
	2	3		29.6867	29.6867	
	3	3			30.1433	
	5	3				31.4700
	Sig.		1.000	.129	.336	1.000

Means for groups in homogeneous subsets are displayed.

a. Uses Harmonic Mean Sample Size = 3.000.

5. Kandungan Lemak Kasar

**One Way
ANOVA**

data					
	Sum of Squares	df	Mean Square	F	Sig.
Between Groups	112.400	4	28.100	91.734	.000
Within Groups	3.063	10	.306		
Total	115.463	14			

**Post Hoc
Multiple Comparisons**

Dependent Variable:data							
	(I)	(J)	Mean Difference (I- J)	Std. Error	Sig.	95% Confidence Interval	
	perlakuan	perlakuan				Lower Bound	Upper Bound
LSD	1	2	-6.15333*	.45190	.000	-7.1602	-5.1464
		3	-6.61000*	.45190	.000	-7.6169	-5.6031
		4	-5.40667*	.45190	.000	-6.4136	-4.3998
		5	-7.93667*	.45190	.000	-8.9436	-6.9298
	2	1	6.15333*	.45190	.000	5.1464	7.1602
		3	-.45667	.45190	.336	-1.4636	.5502
		4	.74667	.45190	.129	-.2602	1.7536
		5	-1.78333*	.45190	.003	-2.7902	-.7764
	3	1	6.61000*	.45190	.000	5.6031	7.6169
		2	.45667	.45190	.336	-.5502	1.4636
		4	1.20333*	.45190	.024	.1964	2.2102
		5	-1.32667*	.45190	.015	-2.3336	-.3198
	4	1	5.40667*	.45190	.000	4.3998	6.4136
		2	-.74667	.45190	.129	-1.7536	.2602
		3	-1.20333*	.45190	.024	-2.2102	-.1964
		5	-2.53000*	.45190	.000	-3.5369	-1.5231
	5	1	7.93667*	.45190	.000	6.9298	8.9436
		2	1.78333*	.45190	.003	.7764	2.7902
		3	1.32667*	.45190	.015	.3198	2.3336
		4	2.53000*	.45190	.000	1.5231	3.5369

**Post Hoc
Multiple Comparisons**

Dependent Variable:data							
	(I) perlakuan	(J) perlakuan	Mean Difference (I- J)	Std. Error	Sig.	95% Confidence Interval	
						Lower Bound	Upper Bound
LSD	1	2	-6.15333*	.45190	.000	-7.1602	-5.1464
		3	-6.61000*	.45190	.000	-7.6169	-5.6031
		4	-5.40667*	.45190	.000	-6.4136	-4.3998
		5	-7.93667*	.45190	.000	-8.9436	-6.9298
	2	1	6.15333*	.45190	.000	5.1464	7.1602
		3	-.45667	.45190	.336	-1.4636	.5502
		4	.74667	.45190	.129	-.2602	1.7536
		5	-1.78333*	.45190	.003	-2.7902	-.7764
	3	1	6.61000*	.45190	.000	5.6031	7.6169
		2	.45667	.45190	.336	-.5502	1.4636
		4	1.20333*	.45190	.024	.1964	2.2102
		5	-1.32667*	.45190	.015	-2.3336	-.3198
	4	1	5.40667*	.45190	.000	4.3998	6.4136
		2	-.74667	.45190	.129	-1.7536	.2602
		3	-1.20333*	.45190	.024	-2.2102	-.1964
		5	-2.53000*	.45190	.000	-3.5369	-1.5231
	5	1	7.93667*	.45190	.000	6.9298	8.9436
		2	1.78333*	.45190	.003	.7764	2.7902
		3	1.32667*	.45190	.015	.3198	2.3336
		4	2.53000*	.45190	.000	1.5231	3.5369

*. The mean difference is significant at the 0.05 level.

Homogeneous Subsets

data					
	perlakuan	N	Subset for alpha = 0.05		
			1	2	3
Duncan ^a	5	3	.9167		
	4	3	.9233	.9233	
	3	3	1.0100	1.0100	1.0100
	2	3		1.0267	1.0267
	1	3			1.0367

	Sig.		.074	.052	.582
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Means for groups in homogeneous subsets are displayed.

a. Uses Harmonic Mean Sample Size = 3.000.

6. Kecernaan Bahan Kering

**One Way
ANOVA**

data					
	Sum of Squares	df	Mean Square	F	Sig.
Between Groups	358.451	4	89.613	34.705	.000
Within Groups	25.822	10	2.582		
Total	384.273	14			

**Post Hoc
Multiple Comparisons**

Dependent Variable:data							
	(I) perlakuan	(J) perlakuan	Mean Difference (I- J)	Std. Error	Sig.	95% Confidence Interval	
						Lower Bound	Upper Bound
LSD	1	2	-1.69567	1.31204	.225	-4.6191	1.2277
		3	-5.79067*	1.31204	.001	-8.7141	-2.8673
		4	-12.25700*	1.31204	.000	-15.1804	-9.3336
		5	-11.08933*	1.31204	.000	-14.0127	-8.1659
	2	1	1.69567	1.31204	.225	-1.2277	4.6191
		3	-4.09500*	1.31204	.011	-7.0184	-1.1716
		4	-10.56133*	1.31204	.000	-13.4847	-7.6379
		5	-9.39367*	1.31204	.000	-12.3171	-6.4703
	3	1	5.79067*	1.31204	.001	2.8673	8.7141
		2	4.09500*	1.31204	.011	1.1716	7.0184
		4	-6.46633*	1.31204	.001	-9.3897	-3.5429
		5	-5.29867*	1.31204	.002	-8.2221	-2.3753
	4	1	12.25700*	1.31204	.000	9.3336	15.1804
		2	10.56133*	1.31204	.000	7.6379	13.4847
		3	6.46633*	1.31204	.001	3.5429	9.3897
		5	1.16767	1.31204	.394	-1.7557	4.0911
	5	1	11.08933*	1.31204	.000	8.1659	14.0127
		2	9.39367*	1.31204	.000	6.4703	12.3171
		3	5.29867*	1.31204	.002	2.3753	8.2221
		4	-1.16767	1.31204	.394	-4.0911	1.7557

**Post Hoc
Multiple Comparisons**

Dependent Variable:data							
	(I) perlakuan n	(J) perlakuan n	Mean Difference (I- J)	Std. Error	Sig.	95% Confidence Interval	
						Lower Bound	Upper Bound
LSD	1	2	-1.69567	1.31204	.225	-4.6191	1.2277
		3	-5.79067*	1.31204	.001	-8.7141	-2.8673
		4	-12.25700**	1.31204	.000	-15.1804	-9.3336
		5	-11.08933*	1.31204	.000	-14.0127	-8.1659
	2	1	1.69567	1.31204	.225	-1.2277	4.6191
		3	-4.09500*	1.31204	.011	-7.0184	-1.1716
		4	-10.56133*	1.31204	.000	-13.4847	-7.6379
		5	-9.39367*	1.31204	.000	-12.3171	-6.4703
	3	1	5.79067*	1.31204	.001	2.8673	8.7141
		2	4.09500*	1.31204	.011	1.1716	7.0184
		4	-6.46633*	1.31204	.001	-9.3897	-3.5429
		5	-5.29867*	1.31204	.002	-8.2221	-2.3753
	4	1	12.25700*	1.31204	.000	9.3336	15.1804
		2	10.56133*	1.31204	.000	7.6379	13.4847
		3	6.46633*	1.31204	.001	3.5429	9.3897
		5	1.16767	1.31204	.394	-1.7557	4.0911
	5	1	11.08933*	1.31204	.000	8.1659	14.0127
		2	9.39367*	1.31204	.000	6.4703	12.3171
		3	5.29867*	1.31204	.002	2.3753	8.2221
		4	-1.16767	1.31204	.394	-4.0911	1.7557

*. The mean difference is significant at the 0.05 level.

Homogeneous Subsets

data					
	perlakuan	N	Subset for alpha = 0.05		
			1	2	3
Duncan ^a	1	3	50.1407		
	2	3	51.8363		
	3	3		55.9313	
	5	3			61.2300
	4	3			62.3977

	Sig.		.225	1.000	.394
Means for groups in homogeneous subsets are displayed.					
a. Uses Harmonic Mean Sample Size = 3.000.					

7. Kecernaan Bahan Organik

**One Way
ANOVA**

data					
	Sum of Squares	df	Mean Square	F	Sig.
Between Groups	293.430	4	73.357	4.830	.020
Within Groups	151.882	10	15.188		
Total	445.312	14			

**Post Hoc
Multiple Comparisons**

Dependent Variable: data							
	(I)	(J)	Mean Difference (I-J)	Std. Error	Sig.	95% Confidence Interval	
	perlakuan	perlakuan				Lower Bound	Upper Bound
LSD	1	2	-9.50333*	3.18205	.014	-16.5934	-2.4133
		3	-5.57600	3.18205	.110	-12.6661	1.5141
		4	-12.10100*	3.18205	.003	-19.1911	-5.0109
		5	-11.07633*	3.18205	.006	-18.1664	-3.9863
	2	1	9.50333*	3.18205	.014	2.4133	16.5934
		3	3.92733	3.18205	.245	-3.1627	11.0174
		4	-2.59767	3.18205	.433	-9.6877	4.4924
		5	-1.57300	3.18205	.632	-8.6631	5.5171
	3	1	5.57600	3.18205	.110	-1.5141	12.6661
		2	-3.92733	3.18205	.245	-11.0174	3.1627
		4	-6.52500	3.18205	.067	-13.6151	.5651
		5	-5.50033	3.18205	.115	-12.5904	1.5897
	4	1	12.10100*	3.18205	.003	5.0109	19.1911
		2	2.59767	3.18205	.433	-4.4924	9.6877
		3	6.52500	3.18205	.067	-.5651	13.6151
		5	1.02467	3.18205	.754	-6.0654	8.1147
	5	1	11.07633*	3.18205	.006	3.9863	18.1664
		2	1.57300	3.18205	.632	-5.5171	8.6631
		3	5.50033	3.18205	.115	-1.5897	12.5904
		4	-1.02467	3.18205	.754	-8.1147	6.0654

**Post Hoc
Multiple Comparisons**

Dependent Variable:data							
	(I) perlakuan	(J) perlakuan	Mean Difference (I- J)	Std. Error	Sig.	95% Confidence Interval	
						Lower Bound	Upper Bound
LSD	1	2	-9.50333*	3.18205	.014	-16.5934	-2.4133
		3	-5.57600	3.18205	.110	-12.6661	1.5141
		4	-12.10100*	3.18205	.003	-19.1911	-5.0109
		5	-11.07633*	3.18205	.006	-18.1664	-3.9863
	2	1	9.50333*	3.18205	.014	2.4133	16.5934
		3	3.92733	3.18205	.245	-3.1627	11.0174
		4	-2.59767	3.18205	.433	-9.6877	4.4924
		5	-1.57300	3.18205	.632	-8.6631	5.5171
	3	1	5.57600	3.18205	.110	-1.5141	12.6661
		2	-3.92733	3.18205	.245	-11.0174	3.1627
		4	-6.52500	3.18205	.067	-13.6151	.5651
		5	-5.50033	3.18205	.115	-12.5904	1.5897
	4	1	12.10100*	3.18205	.003	5.0109	19.1911
		2	2.59767	3.18205	.433	-4.4924	9.6877
		3	6.52500	3.18205	.067	-.5651	13.6151
		5	1.02467	3.18205	.754	-6.0654	8.1147
	5	1	11.07633*	3.18205	.006	3.9863	18.1664
		2	1.57300	3.18205	.632	-5.5171	8.6631
		3	5.50033	3.18205	.115	-1.5897	12.5904
		4	-1.02467	3.18205	.754	-8.1147	6.0654

*. The mean difference is significant at the 0.05 level.

Homogeneous Subsets

data				
			Subset for alpha = 0.05	
	perlakuan	N	1	2
Duncan ^a	1	3	49.0857	
	3	3	54.6617	54.6617
	2	3		58.5890

	5	3		60.1620
	4	3		61.1867
	Sig.		.110	.085

Means for groups in homogeneous subsets are displayed.

a. Uses Harmonic Mean Sample Size = 3.000.

8. *Total Digestibility Nutrient (TDN)***One Way
ANOVA**

data					
	Sum of Squares	df	Mean Square	F	Sig.
Between Groups	325.524	4	81.381	5.324	.015
Within Groups	152.860	10	15.286		
Total	478.385	14			

**Post Hoc
Multiple Comparisons**

Dependent Variable:data

	(I) perlakuan	(J) perlakuan	Mean Difference (I- J)	Std. Error	Sig.	95% Confidence Interval	
						Lower Bound	Upper Bound
LSD	1	2	-9.95667*	3.19229	.011	-17.0695	-2.8438
		3	-6.00000	3.19229	.090	-13.1129	1.1129
		4	-12.71000*	3.19229	.003	-19.8229	-5.5971
		5	-11.81333*	3.19229	.004	-18.9262	-4.7005
	2	1	9.95667*	3.19229	.011	2.8438	17.0695
		3	3.95667	3.19229	.243	-3.1562	11.0695
		4	-2.75333	3.19229	.409	-9.8662	4.3595
		5	-1.85667	3.19229	.574	-8.9695	5.2562
	3	1	6.00000	3.19229	.090	-1.1129	13.1129
		2	-3.95667	3.19229	.243	-11.0695	3.1562
		4	-6.71000	3.19229	.062	-13.8229	.4029
		5	-5.81333	3.19229	.099	-12.9262	1.2995
	4	1	12.71000*	3.19229	.003	5.5971	19.8229
		2	2.75333	3.19229	.409	-4.3595	9.8662
		3	6.71000	3.19229	.062	-.4029	13.8229
		5	.89667	3.19229	.785	-6.2162	8.0095
	5	1	11.81333*	3.19229	.004	4.7005	18.9262
		2	1.85667	3.19229	.574	-5.2562	8.9695
		3	5.81333	3.19229	.099	-1.2995	12.9262
		4	-.89667	3.19229	.785	-8.0095	6.2162

**Post Hoc
Multiple Comparisons**

Dependent Variable: data

	(I) perlakuan	(J) perlakuan	Mean Difference (I- J)	Std. Error	Sig.	95% Confidence Interval	
						Lower Bound	Upper Bound
LSD	1	2	-9.95667*	3.19229	.011	-17.0695	-2.8438
		3	-6.00000	3.19229	.090	-13.1129	1.1129
		4	-12.71000*	3.19229	.003	-19.8229	-5.5971
		5	-11.81333*	3.19229	.004	-18.9262	-4.7005
	2	1	9.95667*	3.19229	.011	2.8438	17.0695
		3	3.95667	3.19229	.243	-3.1562	11.0695
		4	-2.75333	3.19229	.409	-9.8662	4.3595
		5	-1.85667	3.19229	.574	-8.9695	5.2562
	3	1	6.00000	3.19229	.090	-1.1129	13.1129
		2	-3.95667	3.19229	.243	-11.0695	3.1562
		4	-6.71000	3.19229	.062	-13.8229	.4029
		5	-5.81333	3.19229	.099	-12.9262	1.2995
	4	1	12.71000*	3.19229	.003	5.5971	19.8229
		2	2.75333	3.19229	.409	-4.3595	9.8662
		3	6.71000	3.19229	.062	-.4029	13.8229
		5	.89667	3.19229	.785	-6.2162	8.0095
	5	1	11.81333*	3.19229	.004	4.7005	18.9262
		2	1.85667	3.19229	.574	-5.2562	8.9695
		3	5.81333	3.19229	.099	-1.2995	12.9262
		4	-.89667	3.19229	.785	-8.0095	6.2162

*. The mean difference is significant at the 0.05 level.

Homogeneous Subsets

data				
	perlakuan	N	Subset for alpha = 0.05	
			1	2
Duncan ^a	1	3	48.8167	
	3	3	54.8167	54.8167
	2	3		58.7733
	5	3		60.6300

	4	3		61.5267
	Sig.		.090	.078

Means for groups in homogeneous subsets are displayed.

a. Uses Harmonic Mean Sample Size = 3.000.

LAMPIRAN 4**Dokumentasi Penelitian****Survey di Daerah Pengaplikasian****Sabut Siwalan Setelah Fermentasi****Pengambilan Cairan Rumen****Sabut Siwalan Sesudah di Oven****Sentrifuge Sampel****Pengocokan Sampel**



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Judul Skripsi : Evaluasi Potensi Limbah Sabut Siwalan Terfermentasi
EM-4 sebagai Pakan Sapi Pedaging secara In-Vitro

No	Tanggal	Hal yang Dikonsultasikan	Tanda Tangan
1	8 November 2010	Pengajuan judul	
2	15 November 2010	Revisi judul	
3	28 November 2010	Acc Judul	
4	16 Desember 2010	Pengajuan Bab I dan II	
5	10 Januari 2011	Revisi Bab I dan II	
6	17 Maret 2011	Acc Bab I dan II	
7	23 April 2011	Pengajuan Bab III	
8	30 April 2011	Revisi Bab III	
9	07 Mei 2011	Acc Bab I, II dan III	
10	16 Mei 2011	Seminar Proposal	
11	21 Mei 2011	Penelitian	
12	07 Juli 2011	Penelitian	
13	01 Agustus 2011	Pengajuan Hasil Penelitian	
14	05 Agustus 2011	Pengajuan Bab IV	
15	08 Agustus 2011	Revisi Bab IV	
16	15 Agustus 2011	Revisi Bab IV	
17	06 September 2011	Pengajuan abstrak dan Bab V	
18	13 September 2011	Revisi abstrak dan Acc Skripsi	
19	19 September 2011	Acc hasil revisi ujian skripsi	

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No	Tanggal	Hal yang Dikonsultasikan	Tanda Tangan
1	13 Mei 2011	Pengajuan Bab I dan II	
2	14 Mei 2011	Revisi Bab I dan II	
3	08 Juli 2011	Pengajuan Bab I, II, IV	
4	05 Agustus 2011	Acc Bab I,II	
5	15 Agustus 2011	Revisi Bab IV	
6	09 September 2011	Acc Bab I, II, IV	
7	19 September 2011	Acc hasil revisi ujian skripsi	

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