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**LAMPIRAN**

Lampiran 1. Sertifikat Etik Fakultas Kedokteran UNHAS





## Lampiran 2. Hasil Uji Kadar Serat Kasar *Nata seed de durio*



LABORATORIUM BIOTEKNOLOGI TERPADU PETERNAKAN  
FAKULTAS PETERNAKAN  
UNIVERSITAS HASANUDDIN  
Alamat: Jl. Perintis Kemerdekaan KM. 10 Tamalanrea, Makassar  
Email: labbioternakfapetuh@gmail.com

No.Dok.: FSPO-LBTK-UH-12.2

### SERTIFIKAT HASIL UJI

No.: 020/T/LBTK-UH/1/2022

#### Informasi Pelanggan

Nama Perusahaan/Pelanggan : Tri Sutriani Syam  
Alamat Lengkap : Universitas Hasanuddin  
No. Telp./faks./e-mail : 085397800183  
Personel Penghubung : 081241981874

#### Informasi Sampel

No. Identitas Laboratorium : 020/LBTK-RK/1-2022  
Uraian/Matriks Sampel : -  
Kondisi Saat Diterima : Baik  
Tanggal Diterima : 28/1/2022  
Tanggal Pengujian : 31/1/2022  
Tujuan Pengujian : -

#### Informasi Hasil Pengujian

No	Kode Sampel	PARAMETER UJI				
		Kadar Air (%) (AOAC 930.15)	Kadar Abu (%) (AOAC 942.05)	Kadar Protein Kasar (%) (AOAC 984.13)	Kadar Lemak Kasar (%) (AOAC 920.39)	Kadar Serat Kasar (%) (AOAC 962.09)
1	Nata Seed Durio	-	-	-	-	1,48
2	Nata de Coco	-	-	-	-	0,93

Ket: 1. Kadar air ditetapkan sesuai sampel uji; 2. Selain kadar air, parameter ditetapkan berdasarkan sampel asli; 3. Lembaran sertifikat hasil uji ini tertelusur; 4. Hasil hanya berhubungan dengan contoh yang diuji dan laporan ini tidak boleh digandakan

Makassar, 7 Februari 2022  
Devisi Teknis,

Dr. Ir. Syahrani Syahrir, M.Si.  
NIP.: 196511121990032001

### Lampiran 3. Hasil Uji Statistik

#### Uji Normalitas Data

##### Tests of Normality

PERLAKUAN	Kolmogorov-Smirnov <sup>a</sup>			Shapiro-Wilk			
	Statistic	df	Sig.	Statistic	df	Sig.	
JUMLAH FESES PER MINGGU	KONTROL NEGATIF	.247	5	.200 <sup>*</sup>	.850	5	.196
	KONTROL POSITIF	.181	5	.200 <sup>*</sup>	.915	5	.498
	NATA DE DURIO 0,02 GRAM	.337	5	.066	.754	5	.032
	NATA DE DURIO 0,04 GRAM	.236	5	.200 <sup>*</sup>	.934	5	.623
	NATA DE DURIO 0,08 GRAM	.226	5	.200 <sup>*</sup>	.958	5	.797
BERAT FESES	KONTROL NEGATIF	.251	5	.200 <sup>*</sup>	.858	5	.222
	KONTROL POSITIF	.204	5	.200 <sup>*</sup>	.921	5	.535
	NATA DE DURIO 0,02 GRAM	.293	5	.186	.919	5	.526
	NATA DE DURIO 0,04 GRAM	.304	5	.146	.848	5	.187
	NATA DE DURIO 0,08 GRAM	.242	5	.200 <sup>*</sup>	.915	5	.499
FREKUENSI_FESES	KONTROL NEGATIF	.136	5	.200 <sup>*</sup>	.987	5	.967
	KONTROL POSITIF	.231	5	.200 <sup>*</sup>	.881	5	.314
	NATA DE DURIO 0,02 GRAM	.221	5	.200 <sup>*</sup>	.902	5	.421
	NATA DE DURIO 0,04 GRAM	.261	5	.200 <sup>*</sup>	.862	5	.236
	NATA DE DURIO 0,08 GRAM	.300	5	.161	.833	5	.146
KONSISTENSI FESES	KONTROL NEGATIF	.473	5	.001	.552	5	.000
	KONTROL POSITIF	.473	5	.001	.552	5	.000
	NATA DE DURIO 0,02 GRAM	.473	5	.001	.552	5	.000
	NATA DE DURIO 0,04 GRAM	.367	5	.026	.684	5	.006
	NATA DE DURIO 0,08 GRAM	.367	5	.026	.684	5	.006

a. Lilliefors Significance Correction

## ONE WAY ANOVA

Descriptives									
		N	Mean	Std. Deviation	Std. Error	95% Confidence Interval for Mean		Min	Max
						Lower Bound	Upper Bound		
JUMLAH FESES PER MINGGU	KONTROL NEGATIF	5	67.6000	5.27257	2.35797	61.0532	74.1468	62.00	73.00
	KONTROL POSITIF	5	59.0000	6.44205	2.88097	51.0011	66.9989	53.00	69.00
	NATA SEED DE DURIO 0,02 GRAM	5	73.6000	6.54217	2.92575	65.4768	81.7232	69.00	85.00
	NATA SEED DE DURIO 0,04 GRAM	5	65.2000	4.96991	2.22261	59.0290	71.3710	60.00	73.00
	NATA SEED DE DURIO 0,08 GRAM	5	81.8000	8.70057	3.89102	70.9968	92.6032	72.00	94.00
	Total	25	69.4400	9.89983	1.97997	65.3536	73.5264	53.00	94.00
BERAT FESES	KONTROL NEGATIF	5	1.4780	.14738	.06591	1.2950	1.6610	1.24	1.60
	KONTROL POSITIF	5	1.3740	.13315	.05955	1.2087	1.5393	1.24	1.57
	NATA SEED DE DURIO 0,02 GRAM	5	1.6380	.11122	.04974	1.4999	1.7761	1.50	1.81
	NATA SEED DE DURIO 0,04 GRAM	5	1.7440	.16009	.07160	1.5452	1.9428	1.52	1.88
	NATA SEED DE DURIO 0,08 GRAM	5	1.8720	.17050	.07625	1.6603	2.0837	1.68	2.08

	Total	2 5	1.6212	.22597	.04519	1.5279	1.7145	1.24	2.08
FREKUENSI_ FESES	KONTROL NEGATIF	5	12.000 0	1.58114	.70711	10.0368	13.9632	10.00	14.00
	KONTROL POSITIF	5	10.800 0	.83666	.37417	9.7611	11.8389	10.00	12.00
	NATA SEED DE DURIO 0,02 GRAM	5	13.800 0	1.30384	.58310	12.1811	15.4189	12.00	15.00
	NATA SEED DE DURIO 0,04 GRAM	5	13.200 0	2.04939	.91652	10.6553	15.7447	10.00	15.00
	NATA SEED DE DURIO 0,08 GRAM	5	16.000 0	1.22474	.54772	14.4793	17.5207	14.00	17.00
	Total	2 5	13.160 0	2.23010	.44602	12.2395	14.0805	10.00	17.00

Descriptives								
KONSISTENSI FESES								
	N	Mean	Std. Deviation	Std. Error	95% Confidence Interval for Mean		Min	Max
					Lower Bound	Upper Bound		
KONTROL NEGATIF	5	2.8000	.44721	.20000	2.2447	3.3553	2.00	3.00
KONTROL POSITIF	5	3.8000	.44721	.20000	3.2447	4.3553	3.00	4.00
NATA SEED DE DURIO 0,02 GRAM	5	3.8000	.44721	.20000	3.2447	4.3553	3.00	4.00
NATA SEED DE DURIO 0,04 GRAM	5	4.6000	.54772	.24495	3.9199	5.2801	4.00	5.00
NATA SEED DE DURIO 0,08 GRAM	5	4.6000	.54772	.24495	3.9199	5.2801	4.00	5.00
Total	25	3.9200	.81240	.16248	3.5847	4.2553	2.00	5.00

### Test of Homogeneity of Variances

	Levene Statistic	df1	df2	Sig.
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JUMLAH FESES PER MINGGU	.720	4	20	.588
BERAT FESES	.812	4	20	.532
FREKUENSI_FESES	.709	4	20	.595

### Test of Homogeneity of Variances

KONSISTENSI FESES			
Levene Statistic	df1	df2	Sig.
.800	4	20	.539

### ANOVA

		Sum of Squares	df	Mean Square	F	Sig.
JUMLAH FESES PER MINGGU	Between Groups	1502.160	4	375.540	8.836	.000
	Within Groups	850.000	20	42.500		
	Total	2352.160	24			
BERAT FESES	Between Groups	.799	4	.200	9.381	.000
	Within Groups	.426	20	.021		
	Total	1.225	24			
FREKUENSI FESES	Between Groups	76.960	4	19.240	9.075	.000
	Within Groups	42.400	20	2.120		
	Total	119.360	24			

### ANOVA

KONSISTENSI FESES					
	Sum of Squares	df	Mean Square	F	Sig.

Between Groups	11.040	4	2.760	11.500	.000
Within Groups	4.800	20	.240		
Total	15.840	24			

### UJI POST HOC

Multiple Comparisons							
Tukey HSD							
Dependent Variable	(I) PERLAKUAN	(J) PERLAKUAN	Mean Diff (I-J)	Std. Error	Sig.	95% Confidence Interval	
						Lower Bound	Upper Bound
<b>JUMLAH FESES PER MINGGU</b>	KONTROL NEGATIF	KONTROL POSITIF	8.60000	4.12311	.264	-3.7379	20.9379
		<i>NATA SEED DE DURIO 0,02 GRAM</i>	-6.00000	4.12311	.601	-18.3379	6.3379
		<i>NATA SEED DE DURIO 0,04 GRAM</i>	2.40000	4.12311	.976	-9.9379	14.7379
		<i>NATA SEED DE DURIO 0,08 GRAM</i>	-14.20000 <sup>*</sup>	4.12311	.019	-26.5379	-1.8621
	KONTROL POSITIF	KONTROL NEGATIF	-8.60000	4.12311	.264	-20.9379	3.7379
		<i>NATA SEED DE DURIO 0,02 GRAM</i>	14.60000 <sup>*</sup>	4.12311	.016	-26.9379	-2.2621
		<i>NATA SEED DE DURIO 0,04 GRAM</i>	-6.20000	4.12311	.572	-18.5379	6.1379
		<i>NATA SEED DE DURIO 0,08 GRAM</i>	22.80000 <sup>*</sup>	4.12311	.000	-35.1379	-10.4621

	<i>NATA SEED DE DURIO</i> 0,02 GRAM	KONTROL NEGATIF	6.00000	4.12311	.601	-6.3379	18.3379	
		KONTROL POSITIF	14.60000*	4.12311	.016	2.2621	26.9379	
		<i>NATA SEED DE DURIO</i> 0,04 GRAM	8.40000	4.12311	.285	-3.9379	20.7379	
		<i>NATA SEED DE DURIO</i> 0,08 GRAM	-8.20000	4.12311	.307	-20.5379	4.1379	
	<i>NATA SEED DE DURIO</i> 0,04 GRAM	KONTROL NEGATIF	-2.40000	4.12311	.976	-14.7379	9.9379	
		KONTROL POSITIF	6.20000	4.12311	.572	-6.1379	18.5379	
		<i>NATA SEED DE DURIO</i> 0,02 GRAM	-8.40000	4.12311	.285	-20.7379	3.9379	
		<i>NATA SEED DE DURIO</i> 0,08 GRAM	- 16.60000*	4.12311	.005	-28.9379	-4.2621	
	<i>NATA SEED DE DURIO</i> 0,08 GRAM	KONTROL NEGATIF	14.20000*	4.12311	.019	1.8621	26.5379	
		KONTROL POSITIF	22.80000*	4.12311	.000	10.4621	35.1379	
		<i>NATA SEED DE DURIO</i> 0,02 GRAM	8.20000	4.12311	.307	-4.1379	20.5379	
		<i>NATA SEED DE DURIO</i> 0,04 GRAM	16.60000*	4.12311	.005	4.2621	28.9379	
	<b>BERAT FESES</b>	KONTROL NEGATIF	KONTROL POSITIF	.10400	.09231	.791	-.1722	.3802
			<i>NATA SEED DE DURIO</i> 0,02 GRAM	-.16000	.09231	.437	-.4362	.1162
			<i>NATA SEED DE DURIO</i> 0,04 GRAM	-.26600	.09231	.063	-.5422	.0102

		<i>NATA SEED DE DURIO 0,08 GRAM</i>	-.39400*	.09231	.003	-.6702	-.1178
KONTROL POSITIF		KONTROL NEGATIF	-.10400	.09231	.791	-.3802	.1722
		<i>NATA SEED DE DURIO 0,02 GRAM</i>	-.26400	.09231	.065	-.5402	.0122
		<i>NATA SEED DE DURIO 0,04 GRAM</i>	-.37000*	.09231	.006	-.6462	-.0938
		<i>NATA SEED DE DURIO 0,08 GRAM</i>	-.49800*	.09231	.000	-.7742	-.2218
		<i>NATA SEED DE DURIO 0,02 GRAM</i>					
<i>NATA SEED DE DURIO 0,02 GRAM</i>		KONTROL NEGATIF	.16000	.09231	.437	-.1162	.4362
		KONTROL POSITIF	.26400	.09231	.065	-.0122	.5402
		<i>NATA SEED DE DURIO 0,04 GRAM</i>	-.10600	.09231	.779	-.3822	.1702
		<i>NATA SEED DE DURIO 0,08 GRAM</i>	-.23400	.09231	.122	-.5102	.0422
<i>NATA SEED DE DURIO 0,04 GRAM</i>		KONTROL NEGATIF	.26600	.09231	.063	-.0102	.5422
		KONTROL POSITIF	.37000*	.09231	.006	.0938	.6462
		<i>NATA SEED DE DURIO 0,02 GRAM</i>	.10600	.09231	.779	-.1702	.3822
		<i>NATA SEED DE DURIO 0,08 GRAM</i>	-.12800	.09231	.643	-.4042	.1482
<i>NATA SEED DE DURIO 0,08 GRAM</i>		KONTROL NEGATIF	.39400*	.09231	.003	.1178	.6702
		KONTROL POSITIF	.49800*	.09231	.000	.2218	.7742



		<i>NATA SEED DE DURIO 0,02 GRAM</i>	.23400	.09231	.122	-.0422	.5102
		<i>NATA SEED DE DURIO 0,04 GRAM</i>	.12800	.09231	.643	-.1482	.4042
<b>FREKUENSI FESES</b>	KONTROL NEGATIF	KONTROL POSITIF	1.20000	.92087	.692	-1.5556	3.9556
		<i>NATA SEED DE DURIO 0,02 GRAM</i>	-1.80000	.92087	.323	-4.5556	.9556
		<i>NATA SEED DE DURIO 0,04 GRAM</i>	-1.20000	.92087	.692	-3.9556	1.5556
		<i>NATA SEED DE DURIO 0,08 GRAM</i>	-4.00000*	.92087	.003	-6.7556	-1.2444
	KONTROL POSITIF	KONTROL NEGATIF	-1.20000	.92087	.692	-3.9556	1.5556
		<i>NATA SEED DE DURIO 0,02 GRAM</i>	-3.00000*	.92087	.029	-5.7556	-.2444
		<i>NATA SEED DE DURIO 0,04 GRAM</i>	-2.40000	.92087	.107	-5.1556	.3556
		<i>NATA SEED DE DURIO 0,08 GRAM</i>	-5.20000*	.92087	.000	-7.9556	-2.4444
	<i>NATA SEED DE DURIO 0,02 GRAM</i>	KONTROL NEGATIF	1.80000	.92087	.323	-.9556	4.5556
		KONTROL POSITIF	3.00000*	.92087	.029	.2444	5.7556
		<i>NATA SEED DE DURIO 0,04 GRAM</i>	.60000	.92087	.964	-2.1556	3.3556
		<i>NATA SEED DE DURIO 0,08 GRAM</i>	-2.20000	.92087	.159	-4.9556	.5556

	<i>NATA SEED DE DURIO</i> 0,04 GRAM	KONTROL NEGATIF	1.20000	.92087	.692	-1.5556	3.9556
		KONTROL POSITIF	2.40000	.92087	.107	-.3556	5.1556
		<i>NATA SEED DE DURIO</i> 0,02 GRAM	-.60000	.92087	.964	-3.3556	2.1556
		<i>NATA SEED DE DURIO</i> 0,08 GRAM	-2.80000*	.92087	.045	-5.5556	-.0444
	<i>NATA SEED DE DURIO</i> 0,08 GRAM	KONTROL NEGATIF	4.00000*	.92087	.003	1.2444	6.7556
		KONTROL POSITIF	5.20000*	.92087	.000	2.4444	7.9556
		<i>NATA SEED DE DURIO</i> 0,02 GRAM	2.20000	.92087	.159	-.5556	4.9556
		<i>NATA SEED DE DURIO</i> 0,04 GRAM	2.80000*	.92087	.045	.0444	5.5556
*. The mean difference is significant at the 0.05 level.							

### Multiple Comparisons

Dependent Variable: KONSISTENSI FESES						
Tukey HSD						
(I) PERLAKUAN	(J) PERLAKUAN	Mean Diff (I-J)	Std. Error	Sig.	95% Confidence Interval	
					Lower Bound	Upper Bound
KONTROL NEGATIF	KONTROL POSITIF	-1.00000*	.30984	.031	-1.9272	-.0728
	<i>NATA SEED DE DURIO</i> 0,02 GRAM	-1.00000*	.30984	.031	-1.9272	-.0728
	<i>NATA SEED DE DURIO</i> 0,04 GRAM	-1.80000*	.30984	.000	-2.7272	-.8728

	<i>NATA SEED DE DURIO 0,08 GRAM</i>	-1.80000*	.30984	.000	-2.7272	- .8728
KONTROL POSITIF	KONTROL NEGATIF	1.00000*	.30984	.031	.0728	1.9272
	<i>NATA SEED DE DURIO 0,02 GRAM</i>	.00000	.30984	1.000	-.9272	.9272
	<i>NATA SEED DE DURIO 0,04 GRAM</i>	-.80000	.30984	.112	-1.7272	.1272
	<i>NATA SEED DE DURIO 0,08 GRAM</i>	-.80000	.30984	.112	-1.7272	.1272
<i>NATA SEED DE DURIO 0,02 GRAM</i>	KONTROL NEGATIF	1.00000*	.30984	.031	.0728	1.9272
	KONTROL POSITIF	.00000	.30984	1.000	-.9272	.9272
	<i>NATA SEED DE DURIO 0,04 GRAM</i>	-.80000	.30984	.112	-1.7272	.1272
	<i>NATA SEED DE DURIO 0,08 GRAM</i>	-.80000	.30984	.112	-1.7272	.1272
<i>NATA SEED DE DURIO 0,04 GRAM</i>	KONTROL NEGATIF	1.80000*	.30984	.000	.8728	2.7272
	KONTROL POSITIF	.80000	.30984	.112	-.1272	1.7272
	<i>NATA SEED DE DURIO 0,02 GRAM</i>	.80000	.30984	.112	-.1272	1.7272
	<i>NATA SEED DE DURIO 0,08 GRAM</i>	.00000	.30984	1.000	-.9272	.9272
<i>NATA SEED DE DURIO 0,08 GRAM</i>	KONTROL NEGATIF	1.80000*	.30984	.000	.8728	2.7272
	KONTROL POSITIF	.80000	.30984	.112	-.1272	1.7272

	<i>NATA SEED DE DURIO 0,02 GRAM</i>	.80000	.30984	.112	-.1272	1.7272
	<i>NATA SEED DE DURIO 0,04 GRAM</i>	.00000	.30984	1.000	-.9272	.9272
*. The mean difference is significant at the 0.05 level.						

### Homogeneous Subsets

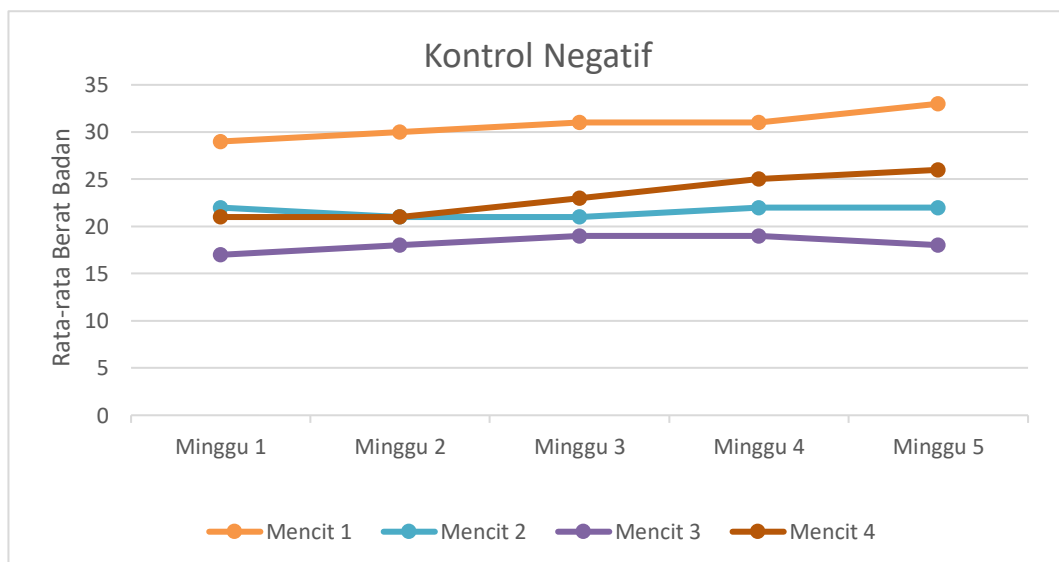
<b>JUMLAH FESES PER MINGGU</b>				
Tukey HSD <sup>a</sup>				
PERLAKUAN	N	Subset for alpha = 0.05		
		1	2	3
KONTROL POSITIF	5	59.0000		
<i>NATA SEED DE DURIO 0,04 GRAM</i>	5	65.2000	65.2000	
KONTROL NEGATIF	5	67.6000	67.6000	
<i>NATA SEED DE DURIO 0,02 GRAM</i>	5		73.6000	73.6000
<i>NATA SEED DE DURIO 0,08 GRAM</i>	5			81.8000
Sig.		.264	.285	.307
Means for groups in homogeneous subsets are displayed.				
a. Uses Harmonic Mean Sample Size = 5.000.				

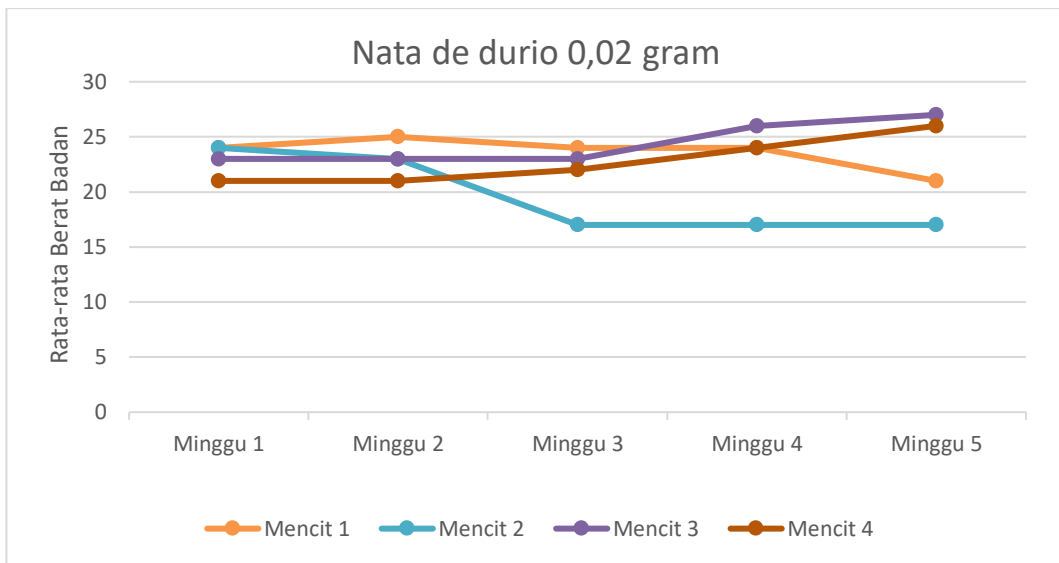
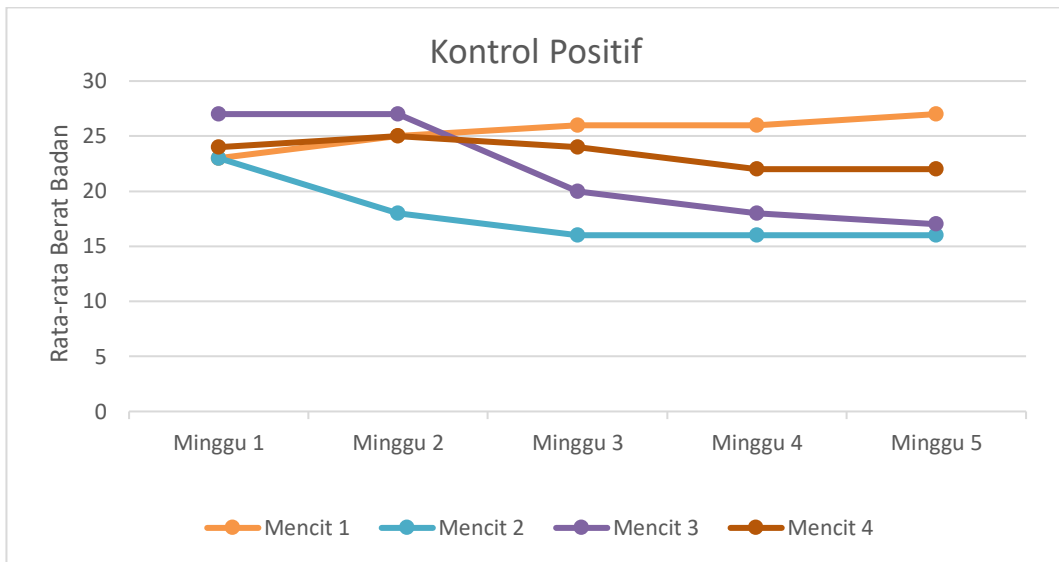
<b>BERAT FESES</b>				
Tukey HSD <sup>a</sup>				
PERLAKUAN	N	Subset for alpha = 0.05		
		1	2	3
KONTROL POSITIF	5	1.3740		
KONTROL NEGATIF	5	1.4780	1.4780	
<i>NATA SEED DE DURIO</i> 0,02 GRAM	5	1.6380	1.6380	1.6380
<i>NATA SEED DE DURIO</i> 0,04 GRAM	5		1.7440	1.7440
<i>NATA SEED DE DURIO</i> 0,08 GRAM	5			1.8720
Sig.		.065	.063	.122
Means for groups in homogeneous subsets are displayed.				
a. Uses Harmonic Mean Sample Size = 5.000.				

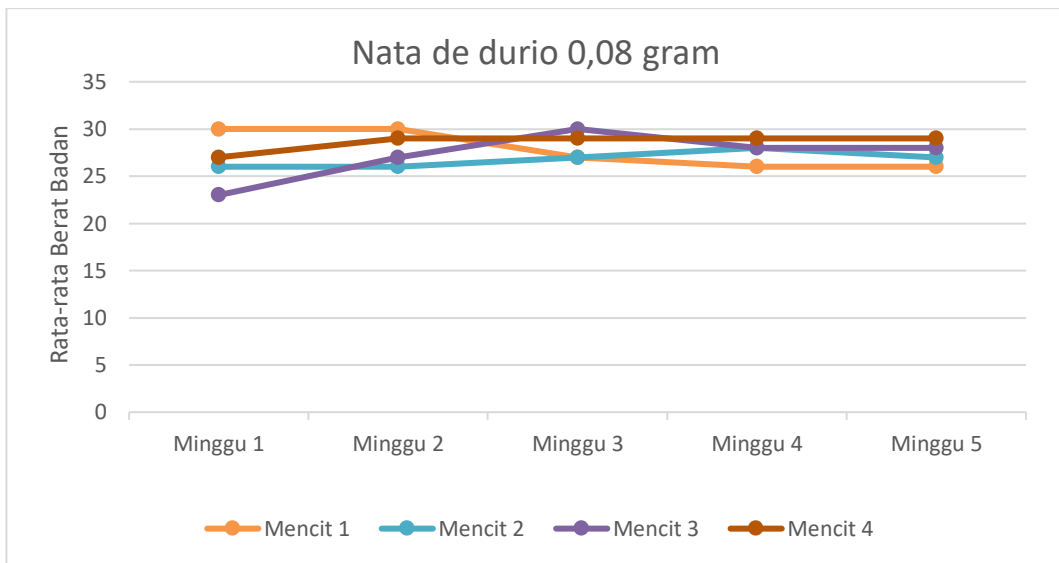
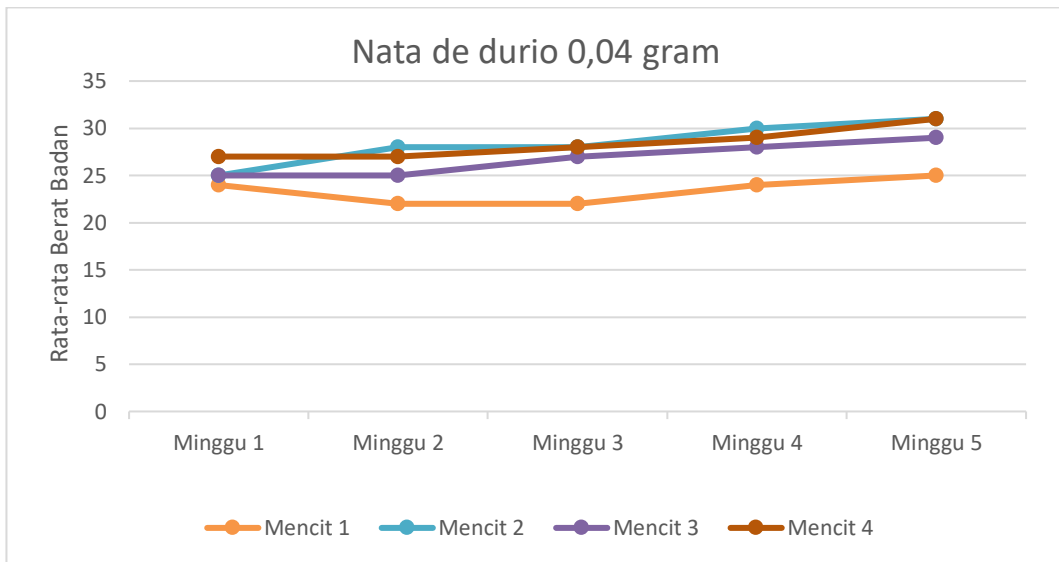
<b>FREKUENSI FESES</b>				
Tukey HSD <sup>a</sup>				
PERLAKUAN	N	Subset for alpha = 0.05		
		1	2	3
KONTROL POSITIF	5	10.8000		
KONTROL NEGATIF	5	12.0000	12.0000	
<i>NATA SEED DE DURIO</i> 0,04 GRAM	5	13.2000	13.2000	
<i>NATA SEED DE DURIO</i> 0,02 GRAM	5		13.8000	13.8000
<i>NATA SEED DE DURIO</i> 0,08 GRAM	5			16.0000
Sig.		.107	.323	.159
Means for groups in homogeneous subsets are displayed.				
a. Uses Harmonic Mean Sample Size = 5.000.				

KONSISTENSI FESES			
Tukey HSD <sup>a</sup>			
PERLAKUAN	N	Subset for alpha = 0.05	
		1	2
KONTROL NEGATIF	5	2.8000	
KONTROL POSITIF	5		3.8000
<i>NATA SEED DE DURIO</i> 0,02 GRAM	5		3.8000
<i>NATA SEED DE DURIO</i> 0,04 GRAM	5		4.6000
<i>NATA SEED DE DURIO</i> 0,08 GRAM	5		4.6000
Sig.		1.000	.112
Means for groups in homogeneous subsets are displayed.			
a. Uses Harmonic Mean Sample Size = 5.000.			

### GRAFIK BERAT BADAN MENCIT

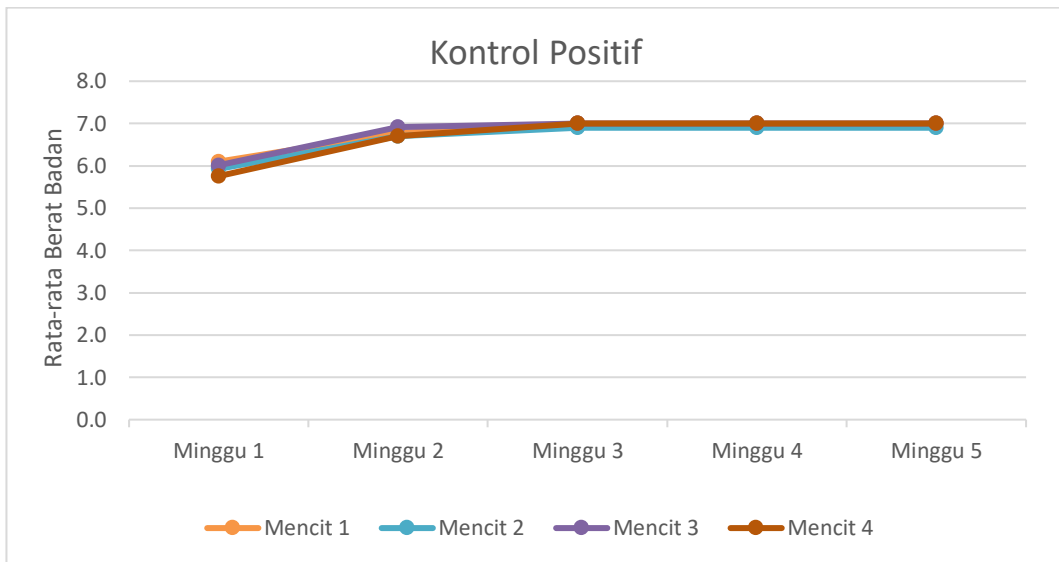
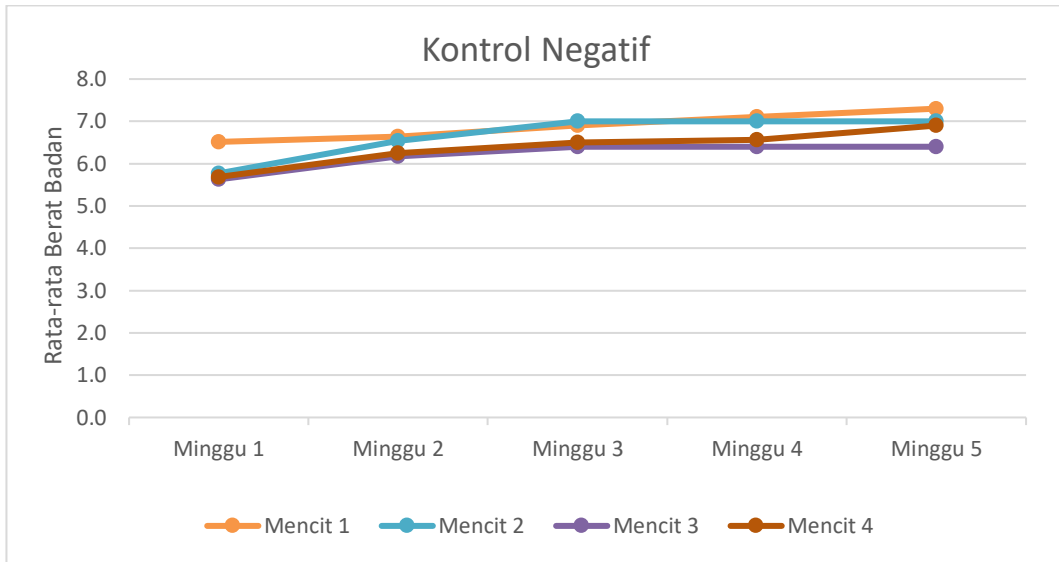


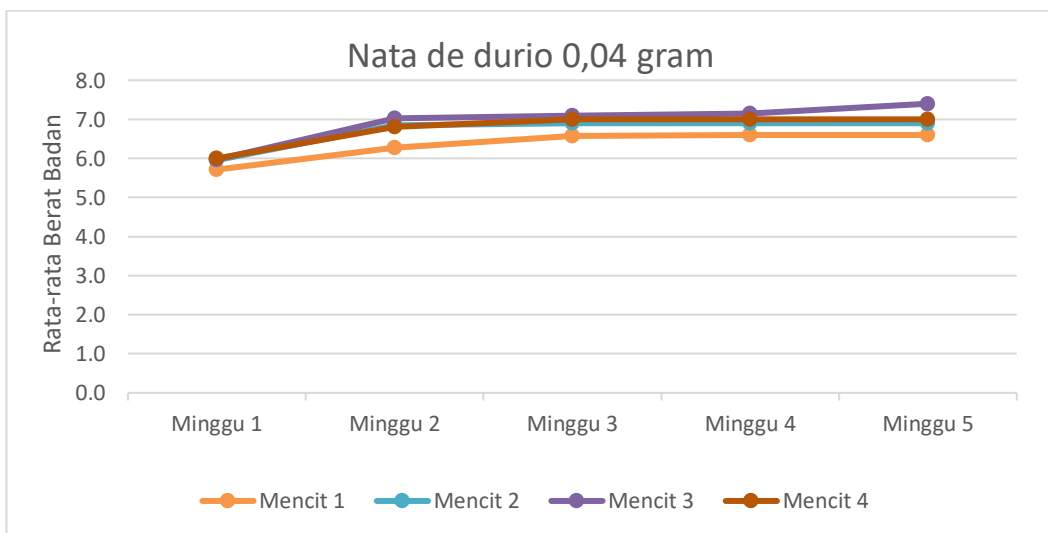
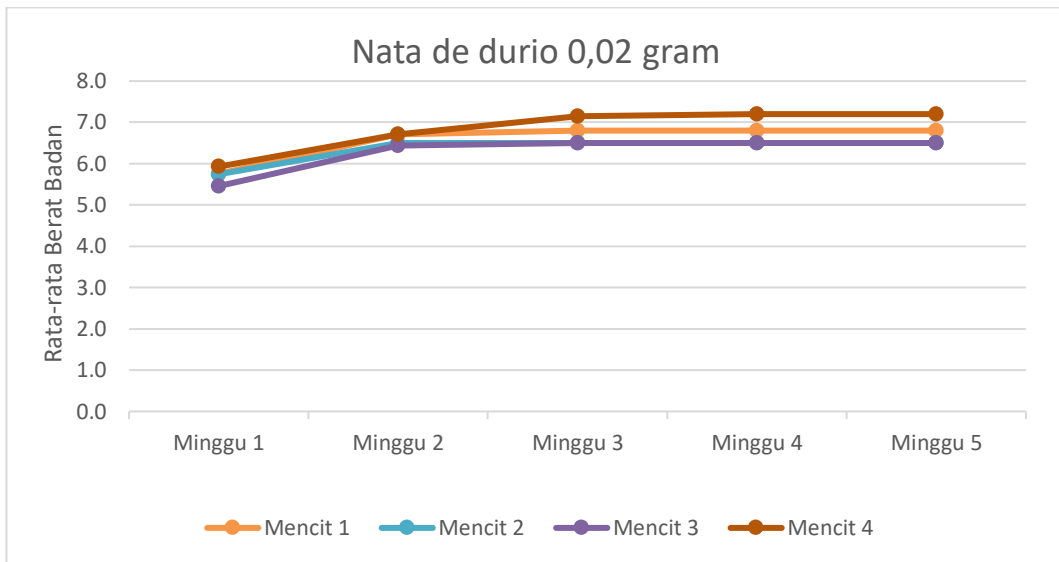


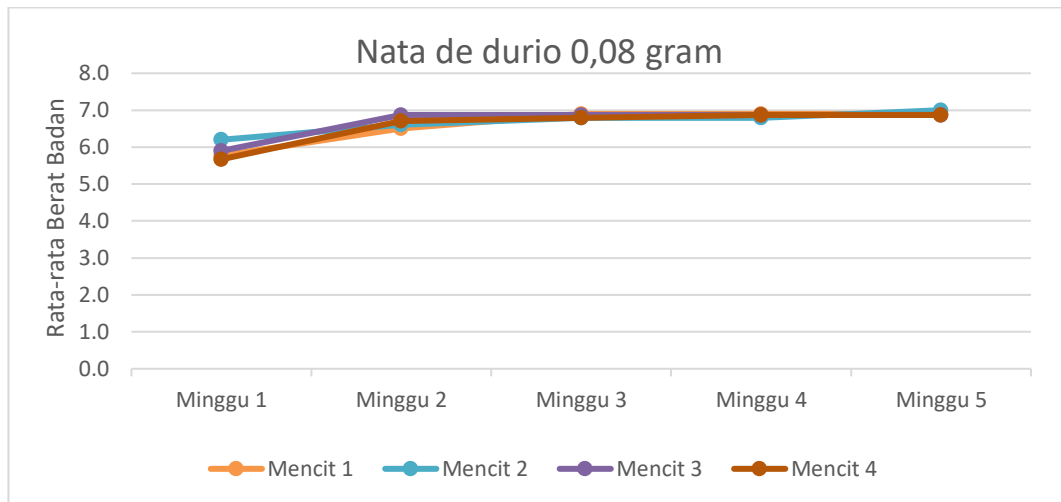


**GRAFIK PANJANG BADAN MENCIT**



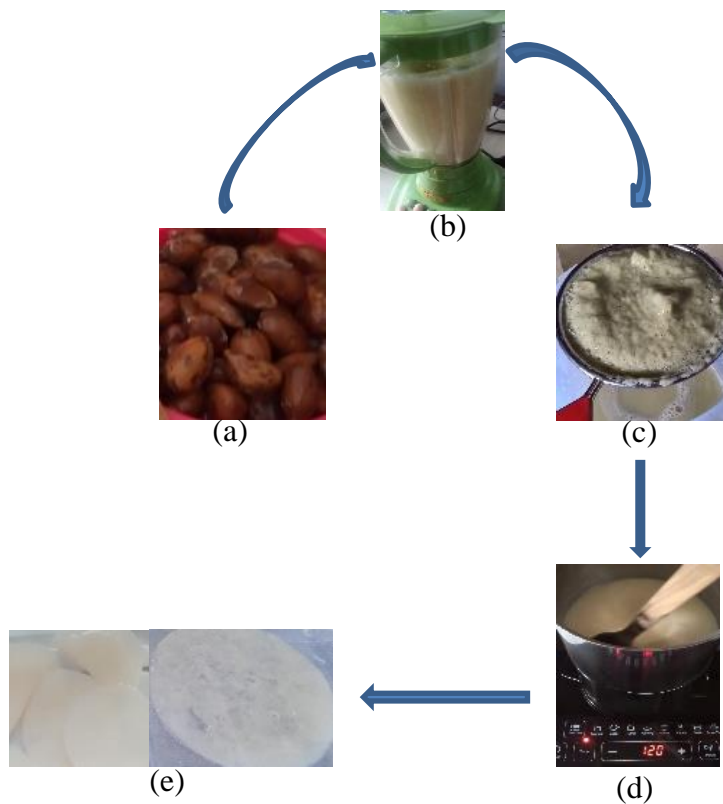






#### Lampiran 4. Dokumentasi Penelitian

##### A. Pembuatan *Nata seed de durio*



Skema pembuatan *nata seed de durio*: (a) biji durian yang telah dikeringkan, (b) biji durian yang di blender, (c) penyaringan/pemisahan ampas dan larutan biji durian, (d) larutan biji durian yang dimasak, (e) *nata seed de durio* yang telah terbentuk

##### B. Pemberian *Nata seed de durio*



Hewan coba  
*durio*



Menghaluskan *Nata seed de durio*



Mengoven *Nata seed de durio de durio*



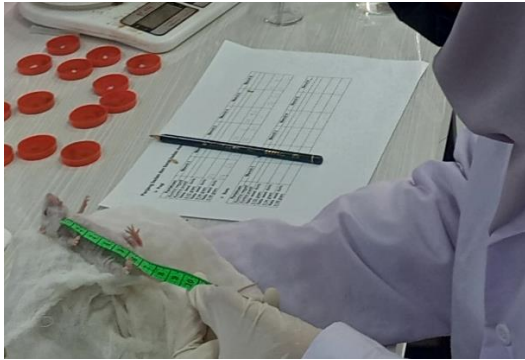
Mengukur pH *Nata seed*



Menimbang *nata seed de durio* dan inulin menci



Menimbang berat badan



Mengukur *body mass indeks* mencit *durio*,



Pemberian *nata seed de aquades* dan inulin



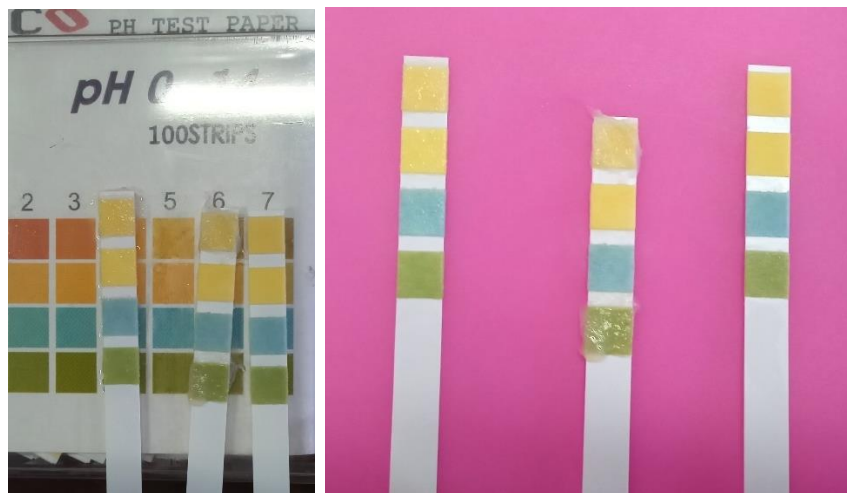
Menghitung feses mencit



Menimbang berat feses mencit



Mengamati dan menghitung frekuensi defekasi mencit



Pengukuran pH dan membandingkan tingkat keasaman antara *Nata seed de durio*, *Nata de coco kemasan* dan *Nata de coco* buatan dr Syahrijuita (kiri= *Nata de coco* buatan dr Syahrijuita, tengah= *Nata seed de durio*, dan kanan= *Nata de coco* kemasan).