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LAMPIRAN

A. Rendemen

Lampiran 1. Rendemen

	Berat awal (g)	Berat akhir (g)	Rendemen (%)
S. polycystum kering	50.000	4.800	9,6
Ekstrak Saponin *S. polycystum*	4.000*	276,3**	6,90

Ket :

*Berat simplisia (berat serbuk *S. polycystum*)

**Saponin (berat hasil ekstraksi saponin)

B. Lama Waktu Induksi Anestesi (Pingsan)

Lampiran 2. Lama waktu induksi anestesi (pingsan)

Stage I

1. Hasil Analisis Ragam (ANOVA) Lama Waktu Induksi Anestesi Stage I

Source	Type III Sum of Squares	df	Mean Square	F	Sig.
Corrected Model	14421.556[a]	2	7210.778	435.550	.000
Intercept	34720.111	1	34720.111	2097.188	.000
Konsentrasi	14421.556	2	7210.778	435.550	.000
Error	99.333	6	16.556		
Total	49241.000	9			
Corrected Total	14520.889	8			

R Squared = .993 (Adjusted R Squared = .991)

2. Hasil Uji Tuckey Lama Waktu Induksi Anestesi Stage I

(I) Konsentrasi	(J) Konsentrasi	Mean Difference (I-J)	Std. Error	Sig.	95% Confidence Interval	
					Lower Bound	Upper Bound
346	629	70.3333*	3.32220	.000	60.1399	80.5268
	1000	94.3333*	3.32220	.000	84.1399	104.5268
629	346	-70.3333*	3.32220	.000	-80.5268	-60.1399
	1000	24.0000*	3.32220	.001	13.8066	34.1934
1000	346	-94.3333*	3.32220	.000	-104.5268	-84.1399
	629	-24.0000*	3.32220	.001	-34.1934	-13.8066

*. The mean difference is significant at the .05 level.

Stage II

1. Hasil Analisis Ragam (ANOVA) Lama Waktu Induksi Anestesi Stage II

Source	Type III Sum of Squares	df	Mean Square	F	Sig.
Corrected Model	15140.222[a]	2	7570.111	205.834	.000
Intercept	54600.111	1	54600.111	1484.595	.000
Konsentrasi	15140.222	2	7570.111	205.834	.000
Error	220.667	6	36.778		
Total	69961.000	9			
Corrected Total	15360.889	8			

a. R Squared = .986 (Adjusted R Squared = .981)

2. Hasil Uji Tuckey Lama Waktu Induksi Anestesi Stage II

(I) Konsentrasi	(J) Konsentrasi	Mean Difference (I-J)	Std. Error	Sig.	95% Confidence Interval	
					Lower Bound	Upper Bound
346	629	67.0000*	4.95162	.000	51.8071	82.1929
	1000	98.3333*	4.95162	.000	83.1404	113.5263
629	346	-67.0000*	4.95162	.000	-82.1929	-51.8071
	1000	31.3333*	4.95162	.002	16.1404	46.5263
1000	346	-98.3333*	4.95162	.000	-113.5263	-83.1404
	629	-31.3333*	4.95162	.002	-46.5263	-16.1404

*. The mean difference is significant at the .05 level.

Stage III

1. Hasil Analisis Ragam (ANOVA) Lama Waktu Induksi Anestesi Stage III

Source	Type III Sum of Squares	df	Mean Square	F	Sig.
Corrected Model	13944.667[a]	2	6972.333	438.818	.000
Intercept	77284.000	1	77284.000	4864.028	.000
Konsentrasi	13944.667	2	6972.333	438.818	.000
Error	95.333	6	15.889		
Total	91324.000	9			
Corrected Total	14040.000	8			

a. R Squared = .993 (Adjusted R Squared = .991)

2. Hasil Uji Tuckey Lama Waktu Induksi Anestesi Stage III

(I) Konsentrasi	(J) Konsentrasi	Mean Difference (I-J)	Std. Error	Sig.	95% Confidence Interval	
					Lower Bound	Upper Bound
346	629	51.6667*	3.25463	.000	41.6806	61.6528
	1000	96.3333*	3.25463	.000	86.3472	106.3194
629	346	-51.6667*	3.25463	.000	-61.6528	-41.6806
	1000	44.6667*	3.25463	.000	34.6806	54.6528
1000	346	-96.3333*	3.25463	.000	-106.3194	-86.3472
	629	-44.6667*	3.25463	.000	-54.6528	-34.6806

*. The mean difference is significant at the .05 level.

C. Lama Waktu Recovery/Pemulihan

Lampiran 3. Lama Waktu Recovery/Pemulihan

Stage I

Hasil Analisis Ragam (ANOVA) Lama Waktu Recovery/Pulih Anestesi Stage I

Source	Type III Sum of Squares	df	Mean Square	F	Sig.
Corrected Model	20.222[a]	2	10.111	3.370	.104
Intercept	177.778	1	177.778	59.259	.000
Konsentrasi	20.222	2	10.111	3.370	.104
Error	18.000	6	3.000		
Total	216.000	9			
Corrected Total	38.222	8			

a. R Squared = .529 (Adjusted R Squared = .372)

Stage II

1. Hasil Analisis Ragam (ANOVA) Lama Waktu Recovery/Pulih Anestesi Stage II

Source	Type III Sum of Squares	df	Mean Square	F	Sig.
Corrected Model	90.889[a]	2	45.444	15.148	.005
Intercept	592.111	1	592.111	197.370	.000
Konsentrasi	90.889	2	45.444	15.148	.005
Error	18.000	6	3.000		
Total	701.000	9			
Corrected Total	108.889	8			

a. R Squared = .835 (Adjusted R Squared = .780)

2. Hasil Uji Tuckey Lama Waktu Recovery/Pulih Anestesi Stage II

(I) Konsentrasi	(J) Konsentrasi	Mean Difference (I-J)	Std. Error	Sig.	95% Confidence Interval	
					Lower Bound	Upper Bound
346	629	-2.6667	1.41421	.223	-7.0059	1.6725
	1000	-7.6667*	1.41421	.004	-12.0059	-3.3275
629	346	2.6667	1.41421	.223	-1.6725	7.0059
	1000	-5.0000*	1.41421	.028	-9.3392	-.6608
1000	346	7.6667*	1.41421	.004	3.3275	12.0059
	629	5.0000*	1.41421	.028	.6608	9.3392

*. The mean difference is significant at the .05 level.

D. Data perubahan suhu media pengisi kemasan

Lampiran 4. Perubahan suhu media pengisi kemasan

Waktu transportasi (jam)	Suhu media (ºC)	
	Awal	Akhir
2	14	15
	14	15
	14	16
4	14	16
	14	15
	14	16
6	14	17
	14	16
	14	17
8	14	17
	14	18
	14	18

RIWAYAT HIDUP

Penulis dilahirkan di Desa Salassae, Kec. Bulukumpa, Kab. Bulukumba, Sulawesi Selatan pada tanggal 02 Desember 1993. Penulis merupakan anak kelima dari pasangan Bapak M. Tahir Lido dan Ibu Indar. Pada tahun 2011 penulis lulus dari Sekolah Usaha Perikanan Menengah (SUPM) Negeri Bone, jurusan Teknologi Pengolahan Hasil Perikanan. Penulis diterima sebagai taruni/mahasiswa Jurusan Teknologi Pengolahan Hasil Perikanan, Sekolah Tinggi Perikanan Jakarta pada tahun 2011 dan lulus pada tahun 2015. Tahun ajaran 2019 (1) semester awal, penulis diterima di Program Studi Ilmu Perikanan, Program Pascasarjana Universitas Hasanuddin.

Sebagai salah satu syarat untuk memperoleh gelar Magister Sains (M.Si), penulis melakukan penelitian dengan judul "Saponin Alga Coklat *Sargassum polycystum* sebagai Bahan Anestesi Potensial pada Transportasi Ikan Nila *Oreochromis niloticus* Hidup". Penelitian ini dibimbing oleh Bapak Prof. Dr. Ir. Metusalach, M.Sc dan ibu Dr. Sri Wahyuni Rahim, ST., M.Si. Salah satu bagian dari penelitian ini pernah dipresentasikan pada the 2-nd International Seminar on Science and Technology 2020 (ISST-2 2020) yang diselenggarakan oleh Universitas Tadulako dan penulis mendapat predikat sebagai the best presenter. Artikel penelitian tersebut telah dipublikasikan pada Journal of Physics: Conference Series, IOP Publishing dengan judul "Characteristics of Lipid Content from the Analysis of Structural and Optical Properties of Brown Seaweed (*Sargassum polycystum*) after Defatting by Petroleum Ether : Preliminary Studies". Selain itu, penulis juga menulis paper terkait penelitian utama yang masih dalam proses publikasi.