

LAMPIRAN

Case Processing Summary

GROUP		Cases					
		Valid		Missing		Total	
		N	Percent	N	Percent	N	Percent
KOLAGEN1	PLACEBO	5	100.0%	0	.0%	5	100.0%
	LENDIR50%	5	100.0%	0	.0%	5	100.0%
	LENDIR100%	5	100.0%	0	.0%	5	100.0%
KOLAGEN3	PLACEBO	5	100.0%	0	.0%	5	100.0%
	LENDIR50%	5	100.0%	0	.0%	5	100.0%
	LENDIR100%	5	100.0%	0	.0%	5	100.0%
FIBROBLAS	PLACEBO	5	100.0%	0	.0%	5	100.0%
	LENDIR50%	5	100.0%	0	.0%	5	100.0%
	LENDIR100%	5	100.0%	0	.0%	5	100.0%
MMP1	PLACEBO	5	100.0%	0	.0%	5	100.0%
	LENDIR50%	5	100.0%	0	.0%	5	100.0%
	LENDIR100%	5	100.0%	0	.0%	5	100.0%

Descriptives

GROUP			Statistic	Std. Error
KOLAGEN1	PLACEBO	Mean	12.0000	.62361
		95% Confidence Interval for Mean	Lower Bound	10.2686
		Upper Bound	13.7314	
		5% Trimmed Mean	12.0370	
		Median	11.6667	
		Variance	1.944	
		Std. Deviation	1.39443	
		Minimum	10.00	
		Maximum	13.33	
		Range	3.33	
		Interquartile Range	2.50	
		Skewness	-.512	.913
		Kurtosis	-.612	2.000

LENDIR50%	Mean		22.3333	1.54560
	95% Confidence Interval for Mean	Lower Bound	18.0421	
		Upper Bound	26.6246	
	5% Trimmed Mean		22.1296	
	Median		21.6667	
	Variance		11.944	
	Std. Deviation		3.45607	
	Minimum		20.00	
	Maximum		28.33	
	Range		8.33	
	Interquartile Range		5.00	
	Skewness		1.918	.913
	Kurtosis		3.878	2.000
	LENDIR100 %	Mean		23.6667
95% Confidence Interval for Mean		Lower Bound	22.7412	
		Upper Bound	24.5921	
5% Trimmed Mean			23.6111	
Median			23.3333	
Variance			.556	
Std. Deviation			.74536	
Minimum			23.33	
Maximum			25.00	
Range			1.67	
Interquartile Range			.83	
Skewness			2.236	.913
Kurtosis			5.000	2.000
KOLAGEN3 PLACEBO		Mean		48.0000
	95% Confidence Interval for Mean	Lower Bound	45.7330	
		Upper Bound	50.2670	
	5% Trimmed Mean		47.9630	
	Median		46.6667	
	Variance		3.333	
	Std. Deviation		1.82574	
	Minimum		46.67	
	Maximum		50.00	
	Range		3.33	

		Interquartile Range	3.33	
		Skewness	.609	.913
		Kurtosis	-3.333	2.000
	LENDIR50%	Mean	62.3333	2.01384
		95% Confidence Interval for Mean	Lower Bound 56.7420 Upper Bound 67.9247	
		5% Trimmed Mean	62.1296	
		Median	61.6667	
		Variance	20.278	
		Std. Deviation	4.50309	
		Minimum	58.33	
		Maximum	70.00	
		Range	11.67	
		Interquartile Range	6.67	
		Skewness	1.704	.913
		Kurtosis	3.372	2.000
	LENDIR100%	Mean	68.0000	1.22474
		95% Confidence Interval for Mean	Lower Bound 64.5996 Upper Bound 71.4004	
		5% Trimmed Mean	68.0556	
		Median	70.0000	
		Variance	7.500	
		Std. Deviation	2.73861	
		Minimum	65.00	
		Maximum	70.00	
		Range	5.00	
		Interquartile Range	5.00	
		Skewness	-.609	.913
		Kurtosis	-3.333	2.000
FIBROBLA S	PLACEBO	Mean	21.0000	.18257
		95% Confidence Interval for Mean	Lower Bound 20.4931 Upper Bound 21.5069	
		5% Trimmed Mean	21.0185	
		Median	21.0000	
		Variance	.167	
		Std. Deviation	.40825	
		Minimum	20.33	

		Maximum	21.33	
		Range	1.00	
		Interquartile Range	.67	
		Skewness	-1.361	.913
		Kurtosis	2.000	2.000
LENDIR50%		Mean	20.8000	.24944
		95% Confidence Interval for Mean	20.1074	
		Lower Bound	21.4926	
		Upper Bound	20.7778	
		5% Trimmed Mean	20.6667	
		Median	.311	
		Variance	.55777	
		Std. Deviation	20.33	
		Minimum	21.67	
		Maximum	1.33	
		Range	1.00	
		Interquartile Range	1.089	.913
		Skewness	.536	2.000
		Kurtosis		
LENDIR100%		Mean	20.8667	.24944
		95% Confidence Interval for Mean	20.1741	
		Lower Bound	21.5592	
		Upper Bound	20.8889	
		5% Trimmed Mean	21.0000	
		Median	.311	
		Variance	.55777	
		Std. Deviation	20.00	
		Minimum	21.33	
		Maximum	1.33	
		Range	1.00	
		Interquartile Range	1.00	
		Skewness	-1.089	.913
		Kurtosis	.536	2.000
MMP1	PLACEBO	Mean	7.9333	.06667
		95% Confidence Interval for Mean	7.7482	
		Lower Bound	8.1184	
		Upper Bound	7.9444	
		5% Trimmed Mean	8.0000	
		Median	.022	
		Variance		

	Std. Deviation		.14907	
	Minimum		7.67	
	Maximum		8.00	
	Range		.33	
	Interquartile Range		.17	
	Skewness		-2.236	.913
	Kurtosis		5.000	2.000
LENDIR50%	Mean		4.7333	.12472
	95% Confidence Interval for	Lower Bound	4.3870	
	Mean	Upper Bound	5.0796	
	5% Trimmed Mean		4.7407	
	Median		4.6667	
	Variance		.078	
	Std. Deviation		.27889	
	Minimum		4.33	
	Maximum		5.00	
	Range		.67	
	Interquartile Range		.50	
	Skewness		-.512	.913
	Kurtosis		-.612	2.000
LENDIR100	Mean		3.9333	.19437
%	95% Confidence Interval for	Lower Bound	3.3937	
	Mean	Upper Bound	4.4730	
	5% Trimmed Mean		3.9444	
	Median		4.0000	
	Variance		.189	
	Std. Deviation		.43461	
	Minimum		3.33	
	Maximum		4.33	
	Range		1.00	
	Interquartile Range		.83	
	Skewness		-.541	.913
	Kurtosis		-1.488	2.000

Uji Normalitas

Tests of Normality

GROUP	Kolmogorov-Smirnov ^a			Shapiro-Wilk			
	Statistic	df	Sig.	Statistic	df	Sig.	
KOLAGEN1	PLACEBO	.231	5	.200*	.881	5	.314
	LENDIR50 %	.376	5	.020	.739	5	.023
	LENDIR10 0%	.473	5	.001	.552	5	.000
KOLAGEN3	PLACEBO	.367	5	.026	.684	5	.006
	LENDIR50 %	.359	5	.034	.820	5	.117
	LENDIR10 0%	.367	5	.026	.684	5	.006
FIBROBLAS	PLACEBO	.300	5	.161	.833	5	.146
	LENDIR50 %	.201	5	.200*	.881	5	.314
	LENDIR10 0%	.201	5	.200*	.881	5	.314
MMP1	PLACEBO	.473	5	.001	.552	5	.000
	LENDIR50 %	.231	5	.200*	.881	5	.314
	LENDIR10 0%	.221	5	.200*	.902	5	.421

a. Lilliefors Significance Correction

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

Uji Homogenitas

Test of Homogeneity of Variance

		Levene Statistic	df1	df2	Sig.
KOLAGEN1	Based on Mean	2.537	2	12	.121
	Based on Median	1.188	2	12	.338
	Based on Median and with adjusted df	1.188	2	5.520	.372
	Based on trimmed mean	1.972	2	12	.182
KOLAGEN3	Based on Mean	.903	2	12	.431
	Based on Median	.293	2	12	.751
	Based on Median and with adjusted df	.293	2	9.881	.753

	Based on trimmed mean	.691	2	12	.520
FIBROBLAS	Based on Mean	.523	2	12	.606
	Based on Median	.258	2	12	.777
	Based on Median and with adjusted df	.258	2	11.407	.777
	Based on trimmed mean	.455	2	12	.645
MMP1	Based on Mean	3.211	2	12	.076
	Based on Median	2.400	2	12	.133
	Based on Median and with adjusted df	2.400	2	10.526	.138
	Based on trimmed mean	3.170	2	12	.078

KOLAGEN I-III DAN MMP1

Case Processing Summary

GROUP		Cases					
		Valid		Missing		Total	
		N	Percent	N	Percent	N	Percent
COLLAGEN1	PLACEBO	5	100.0%	0	.0%	5	100.0%
	LENDIR50%	5	100.0%	0	.0%	5	100.0%
	LENDIR100%	5	100.0%	0	.0%	5	100.0%
COLLAGEN3	PLACEBO	5	100.0%	0	.0%	5	100.0%
	LENDIR50%	5	100.0%	0	.0%	5	100.0%
	LENDIR100%	5	100.0%	0	.0%	5	100.0%
MMPI	PLACEBO	5	100.0%	0	.0%	5	100.0%
	LENDIR50%	5	100.0%	0	.0%	5	100.0%
	LENDIR100%	5	100.0%	0	.0%	5	100.0%

UJI NORMALITAS

Tests of Normality

GROUP		Kolmogorov-Smirnov ^a			Shapiro-Wilk		
		Statistic	df	Sig.	Statistic	df	Sig.
COLLAGEN1	PLACEBO	.225	5	.200*	.878	5	.299
	LENDIR50%	.360	5	.033	.763	5	.039
	LENDIR100%	.473	5	.001	.552	5	.000
COLLAGEN3	PLACEBO	.367	5	.026	.684	5	.006
	LENDIR50%	.350	5	.045	.837	5	.156
	LENDIR100%	.367	5	.026	.684	5	.006
MMPI	PLACEBO	.473	5	.001	.552	5	.000
	LENDIR50%	.227	5	.200*	.880	5	.309
	LENDIR100%	.216	5	.200*	.900	5	.408

a. Lilliefors Significance Correction

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

UJI HOMOGENITAS

Test of Homogeneity of Variance

		Levene Statistic	df1	df2	Sig.
COLLAGEN1	Based on Mean	1.977	2	12	.181
	Based on Median	1.336	2	12	.299
	Based on Median and with adjusted df	1.336	2	7.933	.316
	Based on trimmed mean	1.761	2	12	.214
COLLAGEN3	Based on Mean	.383	2	12	.690
	Based on Median	.154	2	12	.859
	Based on Median and with adjusted df	.154	2	10.991	.859
	Based on trimmed mean	.265	2	12	.772
MMPI	Based on Mean	5.892	2	12	.016
	Based on Median	3.728	2	12	.055
	Based on Median and with adjusted df	3.728	2	7.356	.076
	Based on trimmed mean	5.671	2	12	.018

Hasil Uji One Way Annova

ANOVA

		Sum of Squares	df	Mean Square	F	Sig.
KOLAGEN1	Between Groups	407.778	2	203.889	42.346	.000
	Within Groups	57.778	12	4.815		
	Total	465.556	14			
KOLAGEN3	Between Groups	1062.593	2	531.296	51.232	.000
	Within Groups	124.444	12	10.370		
	Total	1187.037	14			
FIBROBLAS	Between Groups	.104	2	.052	.197	.824
	Within Groups	3.156	12	.263		
	Total	3.259	14			
MMP1	Between Groups	44.800	2	22.400	232.615	.000
	Within Groups	1.156	12	.096		

Total	45.956	14			
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Uji Beda Post Hoc

Multiple Comparisons

Dependent Variable	(I) GROUP	(J) GROUP	Mean Difference (I-J)	Std. Error	Sig.	95% Confidence Interval			
						Lower Bound	Upper Bound		
KOLA GEN1	LS D	PLACEBO	LENDIR50%	-10.33333*	1.38778	.000	-13.3570	-7.3096	
			LENDIR100%	-11.66667*	1.38778	.000	-14.6904	-8.6430	
		LENDIR50%	PLACEBO	10.33333*	1.38778	.000	7.3096	13.3570	
			LENDIR100%	-1.33333	1.38778	.356	-4.3570	1.6904	
		LENDIR100%	PLACEBO	11.66667*	1.38778	.000	8.6430	14.6904	
			LENDIR50%	1.33333	1.38778	.356	-1.6904	4.3570	
	Tane	Ta mh	PLACEBO	LENDIR50%	-10.33333*	1.66667	.004	-16.0674	-4.5992
				LENDIR100%	-11.66667*	.70711	.000	-13.9666	-9.3667
			LENDIR50%	PLACEBO	10.33333*	1.66667	.004	4.5992	16.0674
				LENDIR100%	-1.33333	1.58114	.827	-7.2663	4.5996
KOLA GEN3	LS D	PLACEBO	LENDIR50%	-14.33333*	2.03670	.000	-18.7709	-9.8957	
			LENDIR100%	-20.00000*	2.03670	.000	-24.4376	-15.5624	
		LENDIR50%	PLACEBO	14.33333*	2.03670	.000	9.8957	18.7709	
			LENDIR100%	-5.66667*	2.03670	.017	-10.1043	-1.2291	
		LENDIR100%	PLACEBO	20.00000*	2.03670	.000	15.5624	24.4376	
			LENDIR50%	5.66667*	2.03670	.017	1.2291	10.1043	
	Tane	Ta mh	PLACEBO	LENDIR50%	-14.33333*	2.17307	.003	-21.8028	-6.8639
				LENDIR100%	-20.00000*	1.47196	.000	-24.5917	-15.4083
			LENDIR50%	PLACEBO	14.33333*	2.17307	.003	6.8639	21.8028
				LENDIR100%	-5.66667	2.35702	.141	-13.1411	1.8078
	LENDIR100%	PLACEBO	20.00000*	1.47196	.000	15.4083	24.5917		
		LENDIR50%	5.66667	2.35702	.141	-1.8078	13.1411		
FIBRO BLAS	LS D	PLACEBO	LENDIR50%	.20000	.32432	.549	-.5066	.9066	
			LENDIR100%	.13333	.32432	.688	-.5733	.8400	
		LENDIR50%	PLACEBO	-.20000	.32432	.549	-.9066	.5066	

GAMBAR PEMBERIAN LENDIR BEKICOT PADA KULIT MENCIT (*BALB C*) DENGAN LUKA BAKAR DERAJAT II.



Gambar 9. GEL LENDIR 50% DAN 100%

PLACEBO

LENDIR 50%

LENDIR 100%



Gambar 10. Mencit Jantan Balb/C

**KOMISI BIOETIKA PENELITIAN KEDOKTERAN/KESEHATAN
FAKULTAS KEDOKTERAN**

UNIVERSITAS ISLAM SULTAN AGUNG SEMARANG

Sekretariat : Gedung C Lantai I Fakultas Kedokteran Unissula
Jl. Raya Kaligawe Km 4 Semarang, Telp. 024-6583584, Fax 024-6594366

Ethical Clearance

No. 160/III/2018/Komisi Bioetik

Komisi Bioetika Penelitian Kedokteran/Kesehatan Fakultas Kedokteran Universitas Islam Sultan Agung Semarang, setelah melakukan pengkajian atas usulan penelitian yang berjudul :

PENGARUH PEMBERIAN GEL LENDIR BEKICOT (*Achatina fulica*) SECARA TOPIKAL TERHADAP PENAMBAHAN JUMLAH KOLAGEN TIPE I – III DAN PENURUNAN EKSPRESI MMP-1 PADA KULIT TIKUS (*Balb c*) DENGAN LUKA BAKAR DERAJAT II

Peneliti Utama : Lely Kusumaningrum
Pembimbing : Prof. Dr. dr. H. Taufiq R Nasihum, M.Kes, Sp And
Dr. Drs.H. Israhanto Isradji., M.Si
Tempat Penelitian : Laboratorium Fakultas Kedokteran UGM

dengan ini menyatakan bahwa usulan penelitian diatas telah memenuhi prasyarat etik penelitian. Oleh karena itu Komisi Bioetika merekomendasikan agar penelitian ini dapat dilaksanakan dengan mempertimbangkan prinsip-prinsip yang dinyatakan dalam Deklarasi Helsinki dan panduan yang tertuang dalam Pedoman Nasional Etik Penelitian Kesehatan (PNEPK) Departemen Kesehatan RI tahun 2004.

Semarang, 13 Maret 2018

Komisi Bioetika Penelitian Kedokteran/Kesehatan
Fakultas Kedokteran Unissula



(dr. Sorwan Dahlan, Sp.F(K))



Universitas Gadjah Mada
Fakultas Kedokteran, Kesehatan Masyarakat dan Keperawatan
DEPARTEMEN PATOLOGI ANATOMI

Alamat : Gedung Prof. Drs. Med. R. Radiopetro Lt. IV, Jl. Kesehatan Sekip Utara, Jogjakarta 55281, Telp/ Fax: 0274 540460

SURAT KETERANGAN

Nomor : 249/UN1/KU.1/PA.2/LT/2018

Yang bertanda tangan di bawah ini:

Nama : **Dr.dr. Irianiwati, Sp.PA(K)**
 NIP. : **19620523 198803 2 002**
 Jabatan : **Ketua Departemen Patologi Anatomi, Fakultas Kedokteran, Universitas Gadjah Mada**


menerangkan bahwa Laboratorium Patologi Anatomik Fakultas Kedokteran, Kesehatan Masyarakat dan Keperawatan, UGM, telah melakukan pembuatan preparat sebanyak 60 buah dengan pengecatan *Hematoxilin Eosin* (HE) 15 buah dan pengecatan dengan Immunohistokimia (IHK) 45 buah, pada periode bulan April 2018 untuk mahasiswa nama sebagai berikut :

Nama : **dr. Lely Kusumaningrum**
 NIM : **MBK.13.1.0.1.0012**
 Mahasiswa : **Mahasiswa Program Studi Magister Biomedik (S2), Fakultas Kedokteran, Universitas Islam Sultan Agung (UNISSULA) Semarang.**
 Judul Penelitian : **Pengaruh Pemberian Gel Lendir Bekicot (*Achatina fulica*) Secara Topikal Terhadap Penambahan Jumlah Kolagen Tipe 1 – III dan Penurunan Ekspresi MMP-1 pada Kulit Tikus (Balb/c) dengan Luka Bakar Derajat II**
 Pembimbing I : **Prof. Dr. dr. Taufiq R. Nasihun, M.Kes., Sp.And**
 II : **Dr. Drs. Israhanto Isradji, M.Si**

Demikianlah surat keterangan ini dibuat untuk dapat dipergunakan seperlunya.

Yogyakarta, 28 September 2018

Ketua
 Departemen Patologi Anatomi



Dr. dr. Irianiwati, Sp.PA(K)
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