

LAMPIRAN

lampiran 1. Tabel konversi dosis Paget dan Barnes

	Mencit 20 gr	Tikus 200 gr	Marmot 400 gr	Kelinci 1,5 kg	Kucing 2 kg	Kera 4 kg	Anjing 12 kg	Manusia 70 kg
Mencit 20 gr	1,00	7,00	12,15	27,80	29,70	64,10	124,20	387,0
Tikus 200 gr	0,14	1,00	1,74	3,90	4,20	9,20	17,80	56,00
Marmot 400 gr	0,09	0,57	1,00	2,25	2,40	5,20	10,20	31,50
Kelinci 1,5 kg	0,04	0,25	1,44	1,00	1,08	2,40	4,50	4,20
Kucing 2 kg	0,03	0,23	0,41	0,92	1,00	2,20	4,10	3,00
Kera 4 kg	0,016	0,11	0,19	0,42	0,45	1,00	1,90	6,10
Anjing 12 kg	0,008	0,06	0,10	0,22	0,24	0,52	1,00	3,10
Manusia 70 kg	0,0026	0,018	0,31	0,07	0,076	0,16	0,32	1,00

lampiran 2. Hasil determinasi *Muntingia calabura*

LABORATORIUM BIOLOGI FARMASI
PROGRAM STUDI FARMASI
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SURAT KETERANGAN

Nomor:02/UII/Jur Far/det/I/2016

Yang bertanda tangan di bawah ini, Kepala Laboratorium Biologi Farmasi Jurusan Farmasi FMIPA UII menerangkan bahwa:

Nama : dr.Evy Sulistyoningrum, M.Sc.
NIK : 147110202
Pada tanggal : 25 Januari 2016

Telah mendeterminasi 1 (satu) species tanaman dengan bimbingan Dra.Iyok Budiarti, di Laboratorium Biologi Farmasi FMIPA UII.

Tanaman tersebut: *Muntingia calabura* (kersen)

Demikian surat keterangan ini di buat untuk dipergunakan semestinya.

Yogyakarta, 25 Januari 2016
Bagian Biologi Farmasi
Kepala,



Annisa Fithria
Annisa Fithria M.Si., Apt.
NIP. 126130401

lampiran 3. Ethical clearance




UNIVERSITAS ISLAM INDONESIA
FAKULTAS KEDOKTERAN
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KETERANGAN LOLOS KAJI ETIK

ETHICAL APPROVAL

Komite Etik Penelitian Kedokteran dan Kesehatan Fakultas Kedokteran Universitas Islam Indonesia dalam upaya melindungi hak asasi dan kesejahteraan subyek penelitian kedokteran dan kesehatan, telah mengkaji dengan teliti protokol berjudul :



The Ethics Committee of the Faculty of Medicine, Islamic University of Indonesia, with regards of the protection of human rights and welfare in medical and health research, has carefully reviewed the research protocol entitled :

"Aktivitas Antipenuaan Ekstrak Air Daun Kersen (*Muntingia calabura*) : Studi Eksperimental pada *Mus musculus* Balb/c Terinduksi D-Galaktosa."

Peneliti Utama : dr. Rosmelia, M.Kes, Sp.KK
Principal Investigator : dr. Evy Sulistyoningrum, M.Sc

Nama Institusi : Program Studi Pendidikan Dokter FK UII
Name of the Institution

dan telah menyetujui protokol tersebut diatas.
and approved the above-mentioned protocol.

Yogyakarta, 27 Januari 2016
 Ketua
 Chairman

 Prof. Dr. Dra. Wiryatun Lestariyana, Apt


*Ethical Approval berlaku satu tahun dari tanggal persetujuan

**Peneliti berkewajiban

1. Menjaga kerahasiaan identitas subyek penelitian
2. Memberitahukan status penelitian apabila :
 - a. Setelah masa berlakunya keterangan lolos kaji etik, penelitian masih belum selesai, dalam hal ini *ethical clearance* harus diperpanjang
 - b. Penelitian berhenti di tangan jalan
3. Melaporkan kejadian serius yang tidak diinginkan (*serious adverse events*)
4. Peneliti tidak boleh melakukan tindakan apapun pada subyek sebelum penelitian lolos kaji etik dan *informed consent*

lampiran 5. Hasil Uji *Paired Sample T Test*

Paired Samples Statistics

		Mean	N	Std. Deviation	Std. Error Mean
Pair 1	BILA	9,0060	20	,33749	,07546
	DIDA	9,0960	20	,33097	,07401

Paired Samples Correlations

		N	Correlation	Sig.
Pair 1	BILA & DIDA	20	,721	,000

Paired Samples Test

		Paired Differences				t	df	Sig. (2-tailed)	
		Mean	Std. Deviation	Std. Error Mean	95% Confidence Interval of the Difference				
					Lower				Upper
Pair 1	BILA – DIDA	-,09000	,24959	,05581	-,20681	,02681	-1,613	,123	

lampiran 6. Hasil Uji Analisis Data

Descriptives			
	Perlakuan	Statistic	Std. Error
Skor_spermatogenesis	Mean	8,91	,085
	95% Confidence Interval for Mean	Lower Bound 8,74	Upper Bound 9,08
	5% Trimmed Mean	8,96	
	Median	9,00	
	Variance	,729	
	K1 Std. Deviation	,854	
	Minimum	7	
	Maximum	10	
	Range	3	
	Interquartile Range	0	
	Skewness	-1,017	,241
	Kurtosis	,769	,478
	Mean	8,76	,099
	95% Confidence Interval for Mean	Lower Bound 8,56	Upper Bound 8,96
	5% Trimmed Mean	8,79	
	Median	9,00	
	Variance	,972	
K2 Std. Deviation	,986		
Minimum	7		
Maximum	10		
Range	3		
Interquartile Range	1		
Skewness	-,466	,241	
Kurtosis	-,744	,478	
Mean	9,01	,101	
95% Confidence Interval for Mean	Lower Bound 8,81	Upper Bound 9,21	
5% Trimmed Mean	9,07		
Median	9,00		
Variance	1,020		
	P1		

	Std. Deviation		1,010	
	Minimum		7	
	Maximum		10	
	Range		3	
	Interquartile Range		1	
	Skewness		-,921	,241
	Kurtosis		-,158	,478
	Mean		9,50	,089
	95% Confidence Interval for Mean	Lower Bound	9,32	
		Upper Bound	9,68	
	5% Trimmed Mean		9,61	
	Median		10,00	
	Variance		,798	
P2	Std. Deviation		,893	
	Minimum		7	
	Maximum		10	
	Range		3	
	Interquartile Range		1	
	Skewness		-1,865	,241
	Kurtosis		2,524	,478
	Mean		9,05	,105
	95% Confidence Interval for Mean	Lower Bound	8,84	
		Upper Bound	9,26	
	5% Trimmed Mean		9,11	
	Median		9,00	
	Variance		1,098	
P3	Std. Deviation		1,048	
	Minimum		7	
	Maximum		10	
	Range		3	
	Interquartile Range		2	
	Skewness		-,800	,241
	Kurtosis		-,592	,478

lampiran 6. Hasil Uji Normalitas Data

Tests of Normality							
	Perlakuan	Kolmogorov-Smirnov ^a			Shapiro-Wilk		
		Statistic	df	Sig.	Statistic	df	Sig.
Skor_spermatogenesis	K1	,372	100	,000	,744	100	,000
	K2	,266	100	,000	,853	100	,000
	P1	,296	100	,000	,779	100	,000
	P2	,402	100	,000	,602	100	,000
	P3	,258	100	,000	,796	100	,000

a. Lilliefors Significance Correction



lampiran 7. Hasil Uji *Mann Whitney Test*

Ranks

	perlakuan	N	Mean Rank	Sum of Ranks
skor_spermatogenesis	K1	100	104,54	10453,50
	K2	100	96,47	9646,50
	Total	200		

Test Statistics^a

	skor_spermatogenesis
Mann-Whitney U	4596,500
Wilcoxon W	9646,500
Z	-1,078
Asymp. Sig. (2-tailed)	,281

a. Grouping Variable: perlakuan

Ranks

	Perlakuan	N	Mean Rank	Sum of Ranks
Skor_spermatogenesis	K1	100	95,14	9513,50
	P1	100	105,87	10586,50
	Total	200		

Test Statistics^a

	Skor_spermatogenesis
Mann-Whitney U	4463,500
Wilcoxon W	9513,500
Z	-1,446
Asymp. Sig. (2-tailed)	,148

a. Grouping Variable: Perlakuan

Ranks

	Perlakuan	N	Mean Rank	Sum of Ranks
skor_spermatogenesis	K1	100	77,79	7778,50
	P2	100	123,22	12321,50
	Total	200		

Test Statistics^a

	skor_spermatogenesis
Mann-Whitney U	2728,500
Wilcoxon W	7778,500
Z	-6,058
Asymp. Sig. (2-tailed)	,000

a. Grouping Variable: perlakuan

Ranks

	Perlakuan	N	Mean Rank	Sum of Ranks
Skor_spermatogenesis	K1	100	93,69	9368,50
	P3	100	107,32	10731,50
	Total	200		

Test Statistics^a

	Skor_spermatogenesis
Mann-Whitney U	4318,500
Wilcoxon W	9368,500
Z	-1,791
Asymp. Sig. (2-tailed)	,073

a. Grouping Variable: Perlakuan

Ranks

	Perlakuan	N	Mean Rank	Sum of Ranks
Skor_spermatogenesis	K2	100	92,52	9251,50
	P1	100	108,49	10848,50
	Total	200		

Test Statistics^a

	Skor_spermatogenesis
Mann-Whitney U	4201,500
Wilcoxon W	9251,500
Z	-2,073
Asymp. Sig. (2-tailed)	,038

a. Grouping Variable: Perlakuan

Ranks

	perlakuan	N	Mean Rank	Sum of Ranks
skor_spermatogenesis	K2	100	77,56	7756,00
	P2	100	123,44	12344,00
	Total	200		

Test Statistics^a

	skor_spermatogenesis
Mann-Whitney U	2706,000
Wilcoxon W	7756,000
Z	-6,025
Asymp. Sig. (2-tailed)	,000

a. Grouping Variable: perlakuan

Ranks

	Perlakuan	N	Mean Rank	Sum of Ranks
Skor_spermatogenesis	K2	100	91,34	9133,50
	P3	100	109,67	10966,50
	Total	200		

Test Statistics^a

	Skor_spermatogenesis
Mann-Whitney U	4083,500
Wilcoxon W	9133,500
Z	-2,353
Asymp. Sig. (2-tailed)	,019

a. Grouping Variable: Perlakuan

Ranks

	perlakuan	N	Mean Rank	Sum of Ranks
skor_spermatogenesis	K2	100	92,52	9251,50
	P3	100	108,49	10848,50
	Total	200		

Test Statistics^a

	skor_spermatogenesis
Mann-Whitney U	4201,500
Wilcoxon W	9251,500
Z	-2,073
Asymp. Sig. (2-tailed)	,038

a. Grouping Variable: perlakuan

Ranks

	perlakuan	N	Mean Rank	Sum of Ranks
skor_spermatogenesis	P1	100	87,38	8737,50
	P2	100	113,63	11362,50
	Total	200		

Test Statistics^a

	skor_spermatogenesis
Mann-Whitney U	3687,500
Wilcoxon W	8737,500
Z	-3,580
Asymp. Sig. (2-tailed)	,000

a. Grouping Variable: perlakuan

Ranks

	perlakuan	N	Mean Rank	Sum of Ranks
skor_spermatogenesis	P1	100	102,43	10243,00
	P3	100	98,57	9857,00
	Total	200		

Test Statistics^a

	skor_spermatogenesis
Mann-Whitney U	4807,000
Wilcoxon W	9857,000
Z	-,502
Asymp. Sig. (2-tailed)	,616

a. Grouping Variable: perlakuan

Ranks

	perlakuan	N	Mean Rank	Sum of Ranks
skor_spermatogenesis	P2	100	116,61	11660,50
	P3	100	84,40	8439,50
	Total	200		

Test Statistics^a

	skor_spermatogenesis
Mann-Whitney U	3389,500
Wilcoxon W	8439,500
Z	-4,343
Asymp. Sig. (2-tailed)	,000

a. Grouping Variable: perlakuan

