

LAMPIRAN 1.

Hasil Analisis Statistik

SAMPEL	ABS	KADAR (ng/mL)
K-2	1,336	5,310
K-3	1,304	4,548
K-4	1,264	3,595
K-5	1,248	3,214
K-6	1,272	3,786
Mean		4,090
K+1	1,403	6,905
K+2	1,706	14,119
K+3	1,768	15,595
K+4	1,755	15,286
K+5	1,544	10,262
Mean		10,929
A1	1,348	5,595
A2	1,789	16,095
A3	1,636	12,452
A4	1,624	12,167
A5	1,56	10,643
Mean		10,321
B1	1,416	7,214
B2	1,534	10,024
B3	1,5	9,214
B4	1,336	5,310
B5	1,44	7,786
Mean		9,048
C1	1,712	14,262
C2	1,355	5,762
C3	1,32	4,929
C4	1,28	3,976
C5	1,28	3,976
Mean		8,433

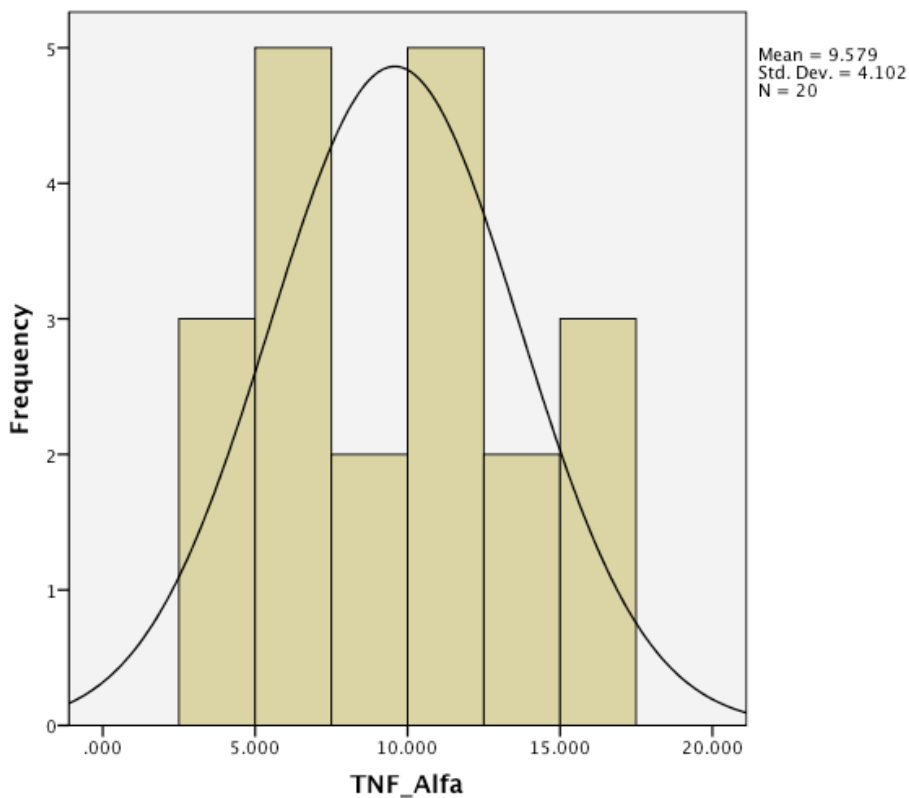
Data Hasil ELISA TNF- α Serum Darah Tikus

Tests of Normality

	Kolmogorov-Smirnov ^a			Shapiro-Wilk		
	Statistic	df	Sig.	Statistic	df	Sig.
TNF_Alf a	.124	20	.200*	.927	20	.134

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

a. Lilliefors Significance Correction



Hasil SPSS Uji Normalitas Saphiro Wilk

Test of Homogeneity of Variance

	Levene Statistic	df1	df2	Sig.
TNFalpha Based on Mean	1.793	4	20	.170
Based on Median	.628	4	20	.648
Based on Median and with adjusted df	.628	4	11.845	.652
Based on trimmed mean	1.511	4	20	.237

Hasil SPSS Uji Homogenitas Varian

ANOVA					
TNFalpha	Sum of Squares	df	Mean Square	F	Sig.
Between Groups	236.491	4	59.123	5.727	.003
Within Groups	206.463	20	10.323		
Total	442.954	24			

Hasil SPSS uji Anova One Way

Multiple Comparisons

TNFalpha

LSD

(I) Dosis_Saponin	(J) Dosis_Saponin	Mean Difference (I-J)	Std. Error	Sig.	95% Confidence Interval	
					Lower Bound	Upper Bound
Kontrol Negatif	Kontrol Positif	-8.342800*	2.032058	.001	-12.58160	-4.10400
	Dosis A	-7.299800*	2.032058	.002	-11.53860	-3.06100
	Dosis B	-3.819000	2.032058	.075	-8.05780	.41980
	Dosis C	-2.490400	2.032058	.235	-6.72920	1.74840
Kontrol Positif	Kontrol Negatif	8.342800*	2.032058	.001	4.10400	12.58160
	Dosis A	1.043000	2.032058	.613	-3.19580	5.28180



	Dosis B	4.523800*	2.032058	.038	.28500	8.76260
	Dosis C	5.852400*	2.032058	.009	1.61360	10.09120
Dosis A	Kontrol Negatif	7.299800*	2.032058	.002	3.06100	11.53860
	Kontrol Positif	-1.043000	2.032058	.613	-5.28180	3.19580
	Dosis B	3.480800	2.032058	.102	-.75800	7.71960
	Dosis C	4.809400*	2.032058	.028	.57060	9.04820
Dosis B	Kontrol Negatif	3.819000	2.032058	.075	-.41980	8.05780
	Kontrol Positif	-4.523800*	2.032058	.038	-8.76260	-.28500
	Dosis A	-3.480800	2.032058	.102	-7.71960	.75800
	Dosis C	1.328600	2.032058	.521	-2.91020	5.56740
Dosis C	Kontrol Negatif	2.490400	2.032058	.235	-1.74840	6.72920
	Kontrol Positif	-5.852400*	2.032058	.009	-10.09120	-1.61360
	Dosis A	-4.809400*	2.032058	.028	-9.04820	-.57060
	Dosis B	-1.328600	2.032058	.521	-5.56740	2.91020

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

Hasil SPSS uji *multiple komparasi LSD*

Correlations

		Dosis_Saponin	TNFalpha
Dosis_Saponin	Pearson Correlation	1	-.584**
	Sig. (2-tailed)		.007
	N	20	20
TNFalpha	Pearson Correlation	-.584**	1
	Sig. (2-tailed)	.007	
	N	20	20

** . Correlation is significant at the 0.01 level (2-tailed).

Hasil uji SPSS uji Korelasi

Model Summary^b

Model	R	R Square	Adjusted R Square	Std. Error of the Estimate
1	.584 ^a	.341	.304	3.420814

a. Predictors: (Constant), Dosis_Saponin

b. Dependent Variable: TNFalpha

ANOVA^b

Model		Sum of Squares	df	Mean Square	F	Sig.
1	Regression	109.043	1	109.043	9.318	.007 ^a
	Residual	210.635	18	11.702		
	Total	319.678	19			

a. Predictors: (Constant), Dosis_Saponin

b. Dependent Variable: TNFalpha

Coefficients^a

Model		Unstandardized Coefficients		Standardized Coefficients	t	Sig.
		B	Std. Error	Beta		
1	(Constant)	12.576	1.245		10.103	.000
	Dosis_Saponin	-.013	.004	-.584	-3.053	.007

a. Dependent Variable: TNFalpha

Hasil SPSS Uji Regresi



Kelompok	N	Subset for alpha = 0.05		
		1	2	3
Kontrol Negatif	5	✓		
Kontrol Positif	5		✓	
Kelompok A	5		✓	✓
Kelompok B	5			✓
Kelompok C	5	✓		✓

Hasil *homogenous subsets* berdasarkan *multiple komparasi LSD*



Lampiran 2.

Dokumentasi Penelitian



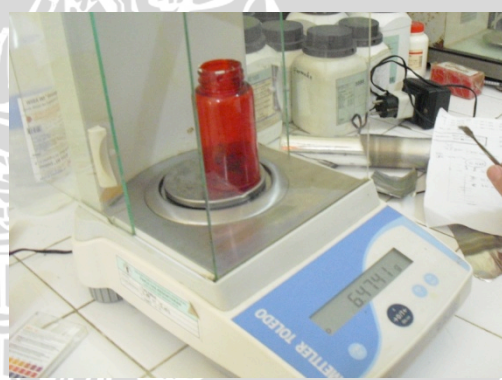
Gambar 2.1 Biji pare
(*Momordica charantia*)



Gambar 2.2 Maserasi



Gambar 2.3 Ekstrak kental biji pare



Gambar 2.3 Penimbangan dosis



Gambar 2.4 Pengenceran dengan aquades untuk sediaan sonde



Gambar 2.5 Penyondean tikus



Gambar 2.6 Pembuatan diet aterogenik



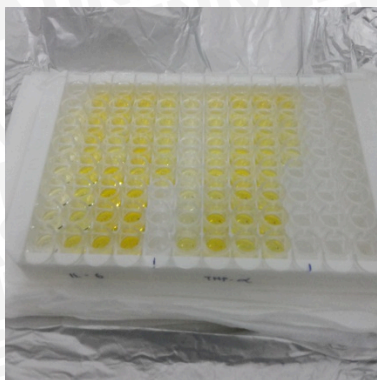
Gambar 2.7 Pembedahan tikus



Gambar 2.8 Isolasi serum tikus

Gambar 2.9 TNF- α ELISA kit





Gambar 2.10 Proses ELISA TNF- α

Gambar 2.11 Pembacaan dengan ELISA reader 450 nm



Lampiran 3

Surat Keterangan Kelaikan Etik



KOMISI ETIK PENELITIAN KESEHATAN
FAKULTAS KEDOKTERAN UNIVERSITAS BRAWIJAYA

KETERANGAN KELAIKAN ETIK
("ETHICAL CLEARANCE")

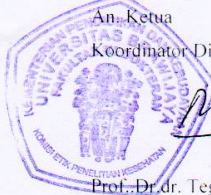
No. 119A / KEPK-FKUB / EC / 03 / 2013

Setelah Tim Etik Penelitian Mahasiswa Fakultas Kedokteran Universitas Brawijaya mempelajari dengan seksama rancangan penelitian yang diusulkan :

- JUDUL : Efektivitas Ekstrak Biji Pare (*Momordica charantia*) Terhadap Penurunan Resisitin, Penurunan TNF-a, Penurunan IL-6, Penebalan Tunica Intima dan Media Aorta, dan Pembentukan Foam Cell Pada Model Hewan Aterosklerosis
- PENELITI : Dyah Ayu Laksmi
Wiji Astuti
Mia Ichtivani
Anni Nur Hidayati
Yusuf Rizal Mahendra
- UNIT / LEMBAGA : S1 Pendidikan Dokter - Fakultas Kedokteran - Universitas Brawijaya
- TEMPAT PENELITIAN : Fakultas Kedokteran Universitas Brawijaya Malang

Maka dengan ini menyatakan bahwa penelitian tersebut telah memenuhi syarat atau laik etik.

Malang, 20 MAR 2013



An. Ketua
Koordinator Divisi I.

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