

LAMPIRAN

Lampiran 1 : Data Berat Badan Tikus, Kadar MDA serum, dan Derajat Fibrosis Hati

Perlakuan	Tikus	Berat Badan Awal (gram)	Berat Badan Akhir (gram)	Kadar MDA Serum (ng/mL) tiap Sampel	Mean Kadar MDA Serum (ng/mL)	Derajat Fibrosis Hati
K-Negatif Diinjeksi NaCl 1 cc 2x/minggu selama 9 minggu	1	180	225	0,643	0,679	F0
	2	218	264	0,740		F0
	3	190	253	0,504		F0
	4	157	213	0,830		F1
K-Positif Diinjeksi CCl ₄ 1 cc 2x/minggu selama 9 minggu	1	179	213	1,029	1,047	F3
	2	207	287	1,044		F3
	3	170	243	1,044		F2
	4	193	286	1,070		F3
KP-2 Sonde curcumin (200mg/kgBB) selama 2 minggu	1	188	247	0,503	0,462	F2
	2	168	212	0,451		F2
	3	168	245	0,453		F1
	4	202	253	0,444		F1
KK-2 Sonde pelarut curcumin selama 2 minggu	1	178	224	1,359	1,276	F2
	2	188	240	1,308		F3
	3	191	250	1,218		F2
	4	183	248	1,218		F2

KP-5 Sonde curcumin (200mg/kgBB) selama 5 minggu	1	174	189	0,140	0,132	F2
	2	198	277	0,123		F2
	3	175	214	0,117		F3
	4	164	197	0,148		F2
KK-5 Sonde pelarut curcumin selama 5 minggu	1	173	208	1,089	1,100	F3
	2	169	184	1,340		F2
	3	180	208	1,359		F1
	4	193	258	0,612		F3
KP-9 Sonde curcumin (200mg/kgBB) selama 9 minggu	1	174	219	0,622	0,620	F0
	2	173	206	0,730		F1
	3	169	195	0,458		F0
	4	153	171	0,669		F1
KK-9 Sonde pelarut curcumin selama 9 minggu	1	216	325	1,150	1,361	F0
	2	169	176	1,396		F1
	3	186	217	1,518		F1
	4	184	209	1,378		F1

Lampiran 2 : Analisis Statistik

Uji Normalitas dan Homogenitas

Tests of Normality

	Kolmogorov-Smirnov ^a			Shapiro-Wilk		
	Statistic	df	Sig.	Statistic	df	Sig.
Kadar MDA Serum	.143	32	.094	.934	32	.051

a. Lilliefors Significance Correction

Test of Homogeneity of Variances

Kadar MDA Serum

Levene Statistic	df1	df2	Sig.
1.215	7	24	.333

Uji T Tidak Berpasangan pada Kelompok Kontrol

Group Statistics

	Kelompok	N	Mean	Std. Deviation	Std. Error Mean
Kadar MDA Serum	KN	4	.679750	.1400794	.0700397
	KP	4	1.047000	.0174929	.0087464

Independent Samples Test

	Levene's Test for Equality of Variances	t-test for Equality of Means								
		F	Sig.	t	df	Sig. (2-tailed)	Mean Difference	Std. Error Difference	95% Confidence Interval of the Difference	
									Lower	Upper
Kadar MDA Serum	Equal variances assumed	2.195	.189	-5.203	6	.002	-.367250	.0705837	-.5399622	-.1945378
	Equal variances not assumed			-5.203	3.094	.013	-.367250	.0705837	-.5880847	-.1464153



Uji One Way Anova dan Post Hoc Tukey

ANOVA

Kadar MDA Serum

	Sum of Squares	df	Mean Square	F	Sig.
Between Groups	.260	3	.087	2.318	.127
Within Groups	.449	12	.037		
Total	.709	15			

Post Hoc Tests

Multiple Comparisons

Dependent Variable: Kadar MDA Serum

Tukey HSD

(I) Kelompok	(J) Kelompok	Mean Difference (I-J)	Std. Error	Sig.	95% Confidence Interval	
					Lower Bound	Upper Bound
KP	KK 2	-.229500	.1367653	.376	-.635543	.176543
	KK 5	-.053500	.1367653	.979	-.459543	.352543
	KK 9	-.314000	.1367653	.154	-.720043	.092043
KK 2	KP	.229500	.1367653	.376	-.176543	.635543
	KK 5	.176000	.1367653	.588	-.230043	.582043
	KK 9	-.084500	.1367653	.924	-.490543	.321543
KK 5	KP	.053500	.1367653	.979	-.352543	.459543
	KK 2	-.176000	.1367653	.588	-.582043	.230043
	KK 9	-.260500	.1367653	.277	-.666543	.145543
KK 9	KP	.314000	.1367653	.154	-.092043	.720043
	KK 2	.084500	.1367653	.924	-.321543	.490543
	KK 5	.260500	.1367653	.277	-.145543	.666543



Homogeneous Subsets

Kadar MDA Serum

Tukey HSD^a

Kelompok	N	Subset for alpha = .05
		1
KP	4	1.047000
KK 5	4	1.100500
KK 2	4	1.276500
KK 9	4	1.361000
Sig.		.154

Means for groups in homogeneous subsets are displayed.

a. Uses Harmonic Mean Sample Size = 4.000.

ANOVA

Kadar MDA Serum

	Sum of Squares	df	Mean Square	F	Sig.
Between Groups	1.732	3	.577	155.428	.000
Within Groups	.045	12	.004		
Total	1.777	15			

Post Hoc Tests

Multiple Comparisons

Dependent Variable: Kadar MDA Serum

Tukey HSD

(I) Kelompok	(J) Kelompok	Mean Difference (I-J)	Std. Error	Sig.	95% Confidence Interval	
					Lower Bound	Upper Bound
KP	KP 2	.584250*	.0431008	.000	.456288	.712212
	KP 5	.914750*	.0431008	.000	.786788	1.042712
	KP 9	.426750*	.0431008	.000	.298788	.554712
KP 2	KP	-.584250*	.0431008	.000	-.712212	-.456288
	KP 5	.330500*	.0431008	.000	.202538	.458462
	KP 9	-.157500*	.0431008	.015	-.285462	-.029538
KP 5	KP	-.914750*	.0431008	.000	-1.042712	-.786788
	KP 2	-.330500*	.0431008	.000	-.458462	-.202538
	KP 9	-.488000*	.0431008	.000	-.615962	-.360038
KP 9	KP	-.426750*	.0431008	.000	-.554712	-.298788
	KP 2	.157500*	.0431008	.015	.029538	.285462
	KP 5	.488000*	.0431008	.000	.360038	.615962

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

Homogeneous Subsets

Kadar MDA Serum

Tukey HSD^a

Kelompok	N	Subset for alpha = .05			
		1	2	3	4
KP 5	4	.132250			
KP 2	4		.462750		
KP 9	4			.620250	
KP	4				1.047000
Sig.		1.000	1.000	1.000	1.000

Means for groups in homogeneous subsets are displayed.

a. Uses Harmonic Mean Sample Size = 4.000.

Uji Korelasi *Pearson* dan Regresi Linier Penurunan MDA Serum

Correlations

Correlations

		Lama (minggu)	MDA Serum
Lama (minggu)	Pearson Correlation	1	-.159
	Sig. (2-tailed)	.	.622
	N	12	12
MDA Serum	Pearson Correlation	-.159	1
	Sig. (2-tailed)	.622	.
	N	12	12

Regression

Model Summary

Model	R	R Square	Adjusted R Square	Std. Error of the Estimate
1	.159 ^a	.025	-.072	.253729

a. Predictors: (Constant), Lama (minggu)

ANOVA^b

Model		Sum of Squares	df	Mean Square	F	Sig.
1	Regression	.017	1	.017	.258	.622 ^a
	Residual	.644	10	.064		
	Total	.660	11			

a. Predictors: (Constant), Lama (minggu)

b. Dependent Variable: MDA Serum

Coefficients^a

Model		Unstandardized Coefficients		Standardized Coefficients	t	Sig.
		B	Std. Error	Beta		
1	(Constant)	.910	.155		5.884	.000
	Lama (minggu)	-.013	.026	-.159	-.508	.622

a. Dependent Variable: MDA Serum



Lampiran 3 : Keterangan Kelaikan Etik Penelitian



KEMENTERIAN RISET, TEKNOLOGI, DAN PENDIDIKAN TINGGI
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KETERANGAN KELAIKAN ETIK
("ETHICAL CLEARANCE")

No. 76A / EC / KEPK – S1 - PD / 03 / 2016

KOMISI ETIK PENELITIAN KESEHATAN FAKULTAS KEDOKTERAN UNIVERSITAS BRAWIJAYA, SETELAH MEMPELAJARI DENGAN SEKSAMA RANCANGAN PENELITIAN YANG DIUSULKAN, DENGAN INI MENYATAKAN BAHWA PENELITIAN DENGAN

- JUDUL** : Peran Kurkumin Terhadap Perbaikan Fibrosis Hati Pada Tikus Model Fibrosis Akibat Induksi Karbon Tetraklorida (CC14).
- PENELITI** : Akhmad Ikbal Purnawarman Marselina Loisa Holly Ayamiseba
Ayu Novita Kartikaningtyas Muhammad Abduh
Eka Pratiwi Muhammad Rizky Putra Adi
Ifa Febriana Noerdian Syah
Indra Sutanto Vivi Herdiana Fatmasari
Lazuardi Fadhullah Wahyu Yoga Septian
- UNIT / LEMBAGA** : S1 Pendidikan Dokter – Fakultas Kedokteran - Universitas Brawijaya Malang
- TEMPAT PENELITIAN** : Laboratorium Farmakologi, Laboratorium FAAL, dan Laboratorium Patologi Anatomi Fakultas Kedokteran Universitas Brawijaya Malang.

DINYATAKAN LAIK ETIK.

Malang, 11 MAR 2016
An. Ketua
Koordinator Divisi I

Prof. Dr. Teguh W. Sardjono, DTM&H, MSc, SpPark
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Catatan :

Keterangan Laik Etik Ini Berlaku 1 (Satu) Tahun Sejak Tanggal Dikeluarkan Pada Akhir Penelitian, Laporan Pelaksanaan Penelitian Harus Diserahkan Kepada KEPK-FKUB Dalam Bentuk Soft Copy. Jika Ada Perubahan Protokol Dan / Atau Perpanjangan Penelitian, Harus Mengajukan Kembali Permohonan Kajian Etik Penelitian (Amandemen Protokol).



Lampiran 4 : Dokumentasi Penelitian

