

LAMPIRAN

Lampiran 1 : Data Berat Badan Tikus, Ekspresi IL-17 Jaringan, dan Derajat Fibrosis Hati

Perlakuan	Tikus	Berat Badan Awal (gram)	Berat Badan Akhir (gram)	Ekspresi IL-17 Jaringan Hati (%)	Mean Ekspresi IL-17 Jaringan Hati (%) ± SD	Derajat Fibrosis Hati
K-Negatif Diinjeksi NaCl 0,9% 1 cc 2x/minggu selama 9 minggu	1	180	225	16,916	16,9993 ± 2,62	F0
	2	218	264	18,198		F0
	3	190	253	19,481		F0
	4	157	213	13,402		F1
K-Positif Diinjeksi CCl4 1 cc 2x/minggu selama 9 minggu	1	179	213	56,280	30,7028 ± 17,34	F3
	2	207	287	23,474		F3
	3	170	243	25,202		F2
	4	193	286	17,855		F3
KP-2 Kurkumin selama 2 minggu	1	188	247	17,120	17,6803 ± 0,58	F2
	2	168	212	18,407		F2
	3	168	245	17,322		F1
	4	202	253	17,862		F1
KK-2 Pelarut kurkumin selama 2 minggu	1	178	224	39,982	36,5638 ± 2,57	F2
	2	188	240	37,067		F3
	3	191	250	34,890		F2
	4	183	248	34,315		F2



KP-5 Kurkumin selama 5 minggu	1	174	189	23,667	18,2090 $\pm 8,71$	F2
	2	198	277	8,770		F2
	3	175	214	13,093		F3
	4	164	197	27,306		F2
KK-5 Pelarut kurkumin selama 5 minggu	1	173	208	37,837	30,4590 $\pm 6,15$	F3
	2	169	184	32,878		F2
	3	180	208	27,171		F1
	4	193	258	23,950		F3
KP-9 Kurkumin selama 9 minggu	1	174	219	18,398	22,0995 $\pm 6,69$	F0
	2	173	206	31,060		F1
	3	169	195	15,830		F0
	4	153	171	23,110		F1
KK-9 Pelarut kurkumin selama 9 minggu	1	216	325	29,982	19,9348 $\pm 7,52$	F1
	2	169	176	21,224		F0
	3	186	217	13,060		F0
	4	184	209	15,473		F1

Lampiran 2 : Uji Analisis Statistik

Uji Normalitas dan Homogenitas Data

Tests of Normality

	Kolmogorov-Smirnov ^a			Shapiro-Wilk		
	Statistic	df	Sig.	Statistic	df	Sig.
IL-17 P1	,152	32	,059	,953	32	,173

a. Lilliefors Significance Correction

Test of Homogeneity of Variances

IL-17 P1

Levene Statistic	df1	df2	Sig.
1,299	7	24	,293

Descriptives

IL-17 P1

	N	Mean	Std. Deviation	Std. Error	95% Confidence Interval for Mean		Minimum	Maximum
					Lower Bound	Upper Bound		
					K Neg	4		
K Pos	4	30.7028	17.33756	8.66878	3.1148	58.2907	17.86	56.28
KP 2	4	17.6803	.57630	.28815	16.7632	18.5973	17.12	18.41
KK 2	4	36.5638	2.56923	1.28462	32.4755	40.6520	34.32	39.98
KP 5	4	18.2090	8.71423	4.35711	4.3427	32.0753	8.77	27.31
KK 5	4	30.4590	6.14992	3.07496	20.6731	40.2449	23.95	37.84
KP 9	4	22.0995	6.69127	3.34564	11.4522	32.7468	15.83	31.06
KK 9	4	19.9348	7.52283	3.76141	7.9643	31.9052	13.06	29.98
Total	32	24.0810	10.05910	1.77821	20.4543	27.7077	8.77	56.28

Uji T Tidak Berpasangan pada Kelompok Kontrol

Group Statistics

	KELOMPOK	N	Mean	Std. Deviation	Std. Error
					Mean
IL-17 P1	K Neg	4	16.9993	2.61682	1.30841
	K Pos	4	30.7028	17.33756	8.66878



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
IL-17 P1	Equal variances assumed	5.650	.055	-1.563	6	.169	-13.7035	8.76697	-35.15550	7.74850
	Equal variances not assumed			-1.563	3.137	.212	-13.7035	8.76697	-40.92888	13.52188

Uji One Way Anova dan Post Hoc LSD

ANOVA

IL-17 P1

	Sum of Squares	df	Mean Square	F	Sig.
Between Groups	1548.258	7	221.180	3.342	.012
Within Groups	1588.492	24	66.187		
Total	3136.750	31			

Post Hoc LSD

Multiple Comparisons

Dependent Variable: IL-17 P1

LSD

(I) kelompok	(J) kelom pok	Mean Difference (I-J)	Std. Error	Sig.	95% Confidence Interval	
					Lower Bound	Upper Bound
K Neg	K Pos	-13,70350 ⁺	5,75270	,025	-25,5765	-1,8305
	KP 2	-,68100	5,75270	,907	-12,5540	11,1920
	KK 2	-19,56450 ⁺	5,75270	,002	-31,4375	-7,6915
	KP 5	-1,20975	5,75270	,835	-13,0827	10,6632
	KK 5	-13,45975 ⁺	5,75270	,028	-25,3327	-1,5868
	KP 9	-5,10025	5,75270	,384	-16,9732	6,7727
	KK 9	-2,93550	5,75270	,615	-14,8085	8,9375
K Pos	K Neg	13,70350 ⁺	5,75270	,025	1,8305	25,5765
	KP 2	13,02250 ⁺	5,75270	,033	1,1495	24,8955
	KK 2	-5,86100	5,75270	,318	-17,7340	6,0120



	KP 5	12,49375 ⁺	5,75270	,040	,6208	24,3667
	KK 5	,24375	5,75270	,967	-11,6292	12,1167
	KP 9	8,60325	5,75270	,148	-3,2697	20,4762
	KK 9	10,76800	5,75270	,073	-1,1050	22,6410
KP 2	K Neg	,68100	5,75270	,907	-11,1920	12,5540
	K Pos	-13,02250 ⁺	5,75270	,033	-24,8955	-1,1495
	KK 2	-18,88350 ⁺	5,75270	,003	-30,7565	-7,0105
	KP 5	-,52875	5,75270	,928	-12,4017	11,3442
	KK 5	-12,77875 ⁺	5,75270	,036	-24,6517	-,9058
	KP 9	-4,41925	5,75270	,450	-16,2922	7,4537
	KK 9	-2,25450	5,75270	,699	-14,1275	9,6185
KK 2	K Neg	19,56450 ⁺	5,75270	,002	7,6915	31,4375
	K Pos	5,86100	5,75270	,318	-6,0120	17,7340
	KP 2	18,88350 ⁺	5,75270	,003	7,0105	30,7565
	KP 5	18,35475 ⁺	5,75270	,004	6,4818	30,2277
	KK 5	6,10475	5,75270	,299	-5,7682	17,9777
	KP 9	14,46425 ⁺	5,75270	,019	2,5913	26,3372
	KK 9	16,62900 ⁺	5,75270	,008	4,7560	28,5020
KP 5	K Neg	1,20975	5,75270	,835	-10,6632	13,0827
	K Pos	-12,49375 ⁺	5,75270	,040	-24,3667	-,6208
	KP 2	,52875	5,75270	,928	-11,3442	12,4017
	KK 2	-18,35475 ⁺	5,75270	,004	-30,2277	-6,4818
	KK 5	-12,25000 ⁺	5,75270	,044	-24,1230	-,3770
	KP 9	-3,89050	5,75270	,505	-15,7635	7,9825
	KK 9	-1,72575	5,75270	,767	-13,5987	10,1472
KK 5	K Neg	13,45975 ⁺	5,75270	,028	1,5868	25,3327
	K Pos	-,24375	5,75270	,967	-12,1167	11,6292
	KP 2	12,77875 ⁺	5,75270	,036	,9058	24,6517
	KK 2	-6,10475	5,75270	,299	-17,9777	5,7682
	KP 5	12,25000 ⁺	5,75270	,044	,3770	24,1230
	KP 9	8,35950	5,75270	,159	-3,5135	20,2325
	KK 9	10,52425	5,75270	,080	-1,3487	22,3972
KP 9	K Neg	5,10025	5,75270	,384	-6,7727	16,9732
	K Pos	-8,60325	5,75270	,148	-20,4762	3,2697
	KP 2	4,41925	5,75270	,450	-7,4537	16,2922
	KK 2	-14,46425 ⁺	5,75270	,019	-26,3372	-2,5913
	KP 5	3,89050	5,75270	,505	-7,9825	15,7635

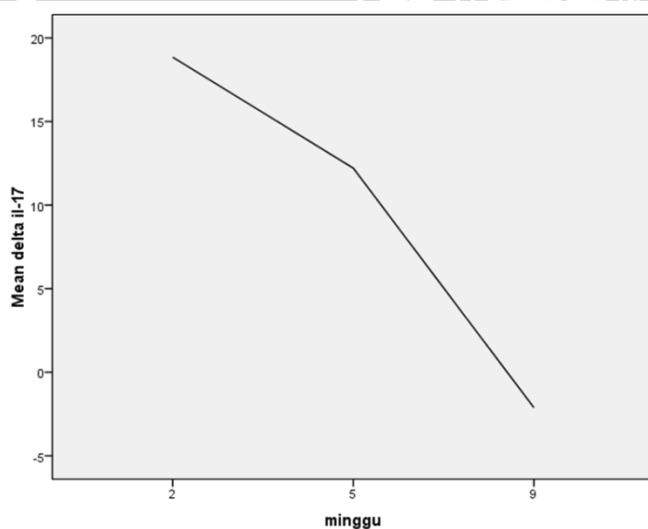
	KK 5	-8,35950	5,75270	,159	-20,2325	3,5135
	KK 9	2,16475	5,75270	,710	-9,7082	14,0377
KK 9	K Neg	2,93550	5,75270	,615	-8,9375	14,8085
	K Pos	-10,76800	5,75270	,073	-22,6410	1,1050
	KP 2	2,25450	5,75270	,699	-9,6185	14,1275
	KK 2	-16,62900*	5,75270	,008	-28,5020	-4,7560
	KP 5	1,72575	5,75270	,767	-10,1472	13,5987
	KK 5	-10,52425	5,75270	,080	-22,3972	1,3487
	KP 9	-2,16475	5,75270	,710	-14,0377	9,7082

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

Correlations

		minggu	delta il-17
minggu	Pearson Correlation	1	-.841**
	Sig. (2-tailed)		.001
	N	12	12
delta il-17	Pearson Correlation	-.841**	1
	Sig. (2-tailed)	.001	
	N	12	12

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



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).

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DINYATAKAN LAIK ETIK.



11 MAR 2016

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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



Kandang Tikus



Bahan untuk makanan tikus



Pembuatan makanan tikus



Makanan tikus



Minuman tikus



Menyonde tikus



Pemberian kurkumin



Proses pembedahan



Pengambilan organ hati tikus

