

LAMPIRAN

Lampiran 1. Perhitungan dosis

Dosis 1 ekstrak etanol jombang (EEJ) yang setara dengan 3 g dosis manusia 70 kg dan ekstrak etanol meniran (EEM) yang setara dengan 3 g dosis manusia 70 kg:

Dosis EEJ pada mencit 20 g:

$$\begin{aligned} 3 \text{ g} \times 0,0026 \times 5\% &= 0,0078 \text{ g} \times 5\% / \text{Mencit } 20 \text{ g} \\ &= 0,39 \text{ mg} / \text{Mencit } 20 \text{ g} \\ &= 19,5 \text{ mg/ kg BB} \end{aligned}$$

Dosis EEM pada mencit 20 g:

$$\begin{aligned} 3 \text{ g} \times 0,0026 \times 5\% &= 0,0078 \text{ g} \times 5\% / \text{Mencit } 20 \text{ g} \\ &= 0,39 \text{ mg} / \text{Mencit } 20 \text{ g} \\ &= 19,5 \text{ mg/ kg BB} \end{aligned}$$

Dosis 2 ekstrak etanol jombang (EEJ) yang setara dengan 7,5 g dosis manusia dan ekstrak etanol meniran (EEM) yang setara dengan 7,5 g dosis manusia:

Dosis EEJ pada mencit 20 g:

$$\begin{aligned} 7,5 \text{ g} \times 0,0026 \times 5\% &= 0,0195 \text{ g} \times 5\% \\ &= 0,975 \text{ mg} / \text{Mencit } 20 \text{ g} \\ &= 48,75 \text{ mg/ kg BB} \end{aligned}$$

Dosis EEM pada mencit 20 g:

$$\begin{aligned} 7,5 \text{ g} \times 0,0026 \times 5\% &= 0,0195 \text{ g} \times 5\% \\ &= 0,975 \text{ mg} / \text{Mencit } 20 \text{ g} \\ &= 48,75 \text{ mg/ kg BB} \end{aligned}$$

Dosis 3 ekstrak etanol jombang (EEJ) yang setara dengan 3 g dosis manusia 70 kg dan ekstrak etanol meniran (EEM) yang setara dengan 7,5 g dosis manusia 70 kg:

Dosis EEJ pada mencit 20 g:

$$\begin{aligned} 3 \text{ g} \times 0,0026 \times 5\% &= 0,0078 \text{ g} \times 5\% / \text{Mencit } 20 \text{ g} \\ &= 0,39 \text{ mg} / \text{Mencit } 20 \text{ g} \\ &= 19,5 \text{ mg/ kg BB} \end{aligned}$$

Dosis EEM pada mencit 20 g:

$$\begin{aligned} 7,5 \text{ g} \times 0,0026 \times 5\% &= 0,0195 \text{ g} \times 5\% \\ &= 0,975 \text{ mg} / \text{Mencit } 20 \text{ g} \\ &= 48,75 \text{ mg/ kg BB} \end{aligned}$$

Lampiran 2. Alur Cara Kerja

Mencit diadaptasikan terlebih dahulu dengan suasana laboratorium selama tujuh hari.



Punggung mencit dicukur dan masing-masing kelompok disuntik 0,2 ovalbumin 10% intrakutan pada hari ke 1, 7, dan 21.



Mencit mendapat perlakuan terlebih dahulu dengan bahan uji sesuai dosisnya masing-masing per oral menggunakan sonde satu jam sebelum penyuntikan ovalbumin 10% pada hari ke 21. Sedangkan kelompok pembanding memperoleh Loratadin.



Setiap mencit masing-masing kelompok, 24 jam kemudian, diameter daerah peradangan pada kulit punggung mencit diukur dengan jangka sorong dan jaringan kulit di daerah lesi diambil.



Kulit mencit dibuat preparat histopatologi dengan pewarnaan Hematoksin Eosin, untuk perhitungan jumlah sel-sel radang. Sel-sel radang yang dihitung meliputi sel polimorfonuklear (PMN).

Lampiran 3. Uji Statistik Hasil Penelitian Pengaruh kombinasi EEJ dan EEM terhadap Luas Daerah Peradangan pada Mencit yang Diinduksi Ovalbumin.

One Way Analysis of Variance

Data source: Data 1 in Notebook 1

Normality Test: Passed (P > 0.050)

Equal Variance Test: Passed (P = 0.328)

Group Name	N	Missing	Mean	Std Dev	SEM
Col 1	5	0	6.330	2.216	0.991
Col 2	5	0	6.414	6.322	2.827
Col 3	5	0	15.510	4.722	2.112
Col 4	5	0	19.316	9.360	4.186
Col 5	5	0	13.302	3.283	1.468

Source of Variation	DF	SS	MS	F	P
Between Groups	4	653.697	163.424	4.935	0.006
Residual	20	662.262	33.113		
Total	24	1315.958			

The differences in the mean values among the treatment groups are greater than would be expected by chance; there is a statistically significant difference (P = 0.006).

Power of performed test with alpha = 0.050: 0.823

All Pairwise Multiple Comparison Procedures (Duncan's Method) :

Comparisons for factor:

Comparison	Diff of Means	p	q	P	P<0.050
Col 4 vs. Col 1	12.986	55.046	--	--	Yes
Col 4 vs. Col 2	12.902	45.014	--	--	Yes
Col 4 vs. Col 5	6.014	32.337	--	--	No
Col 4 vs. Col 3	3.806	21.479	--	--	Do Not Test
Col 3 vs. Col 1	9.180	43.567	--	--	Yes
Col 3 vs. Col 2	9.096	33.535	--	--	Yes
Col 3 vs. Col 5	2.208	20.858	--	--	Do Not Test
Col 5 vs. Col 1	6.972	32.709	--	--	No
Col 5 vs. Col 2	6.888	22.677	--	--	Do Not Test
Col 2 vs. Col 1	0.0840	20.0326	--	--	Do Not Test

Note: The P values for Dunnett's and Duncan's tests are currently unavailable except for reporting that the P's are greater or less than the critical values of .05 and .01.

A result of "Do Not Test" occurs for a comparison when no significant difference is found between two means that enclose that comparison. For example, if you had four means sorted in order, and found no difference between means 4 vs. 2, then you would not test 4 vs. 3 and 3 vs. 2, but still test 4 vs. 1 and 3 vs. 1 (4 vs. 3 and 3 vs. 2 are enclosed by 4 vs. 2: 4 3 2 1). Note that not testing the enclosed means is a procedural rule, and a result of Do Not Test should be treated as if there is no significant difference between the means, even though one may appear to exist.

Lampiran 4. Uji Statistik Hasil Penelitian Pengaruh Kombinasi EEJ dan EEM terhadap Jumlah Sel-Sel Radang pada Mencit yang Diinduksi Ovalbumin.

One Way Analysis of Variance

Data source: Data 1 in Notebook 2

Normality Test: Passed (P > 0.050)

Equal Variance Test: Passed (P = 0.688)

Group Name	N	Missing	Mean	Std Dev	SEM
Col 1	5	0	211.600	101.367	45.333
Col 2	5	0	185.600	80.245	35.887
Col 3	5	0	236.200	37.811	16.910
Col 4	5	0	605.800	98.350	43.983
Col 5	5	0	402.800	93.079	41.626

Source of Variation	DF	SS	MS	F	P
Between Groups	4	625105.200	156276.300	21.419	<0.001
Residual	20	145922.800	7296.140		
Total	24	771028.000			

The differences in the mean values among the treatment groups are greater than would be expected by chance; there is a statistically significant difference (P = <0.001).

Power of performed test with alpha = 0.050: 1.000

All Pairwise Multiple Comparison Procedures (Duncan's Method) :

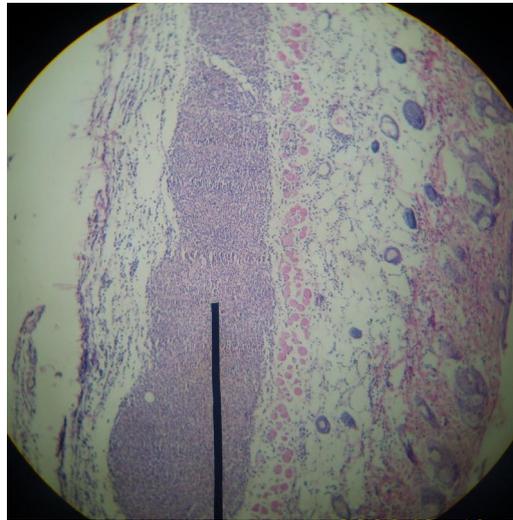
Comparisons for factor:

Comparison	Diff of Means	p	q	P	P<0.050
Col 4 vs. Col 2	420.200	511.000	--		Yes
Col 4 vs. Col 1	394.200	410.319	--		Yes
Col 4 vs. Col 3	369.600	3 9.675	--		Yes
Col 4 vs. Col 5	203.000	2 5.314	--		Yes
Col 5 vs. Col 2	217.200	4 5.686	--		Yes
Col 5 vs. Col 1	191.200	3 5.005	--		Yes
Col 5 vs. Col 3	166.600	2 4.361	--		Yes
Col 3 vs. Col 2	50.600	3 1.325	--		No
Col 3 vs. Col 1	24.600	2 0.644	--		Do Not Test
Col 1 vs. Col 2	26.000	2 0.681	--		Do Not Test

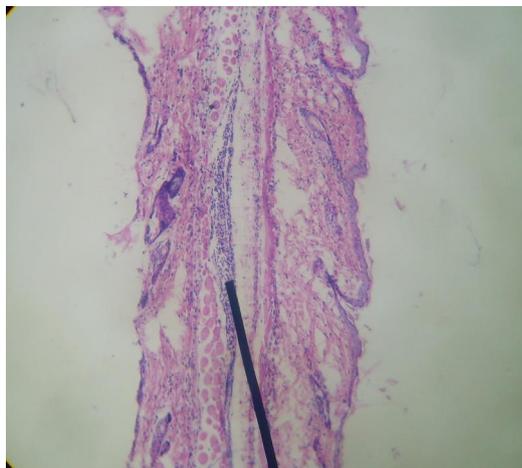
Note: The P values for Dunnett's and Duncan's tests are currently unavailable except for reporting that the P's are greater or less than the critical values of .05 and .01.

A result of "Do Not Test" occurs for a comparison when no significant difference is found between two means that enclose that comparison. For example, if you had four means sorted in order, and found no difference between means 4 vs. 2, then you would not test 4 vs. 3 and 3 vs. 2, but still test 4 vs. 1 and 3 vs. 1 (4 vs. 3 and 3 vs. 2 are enclosed by 4 vs. 2: 4 3 2 1). Note that not testing the enclosed means is a procedural rule, and a result of Do Not Test should be treated as if there is no significant difference between the means, even though one may appear to exist.

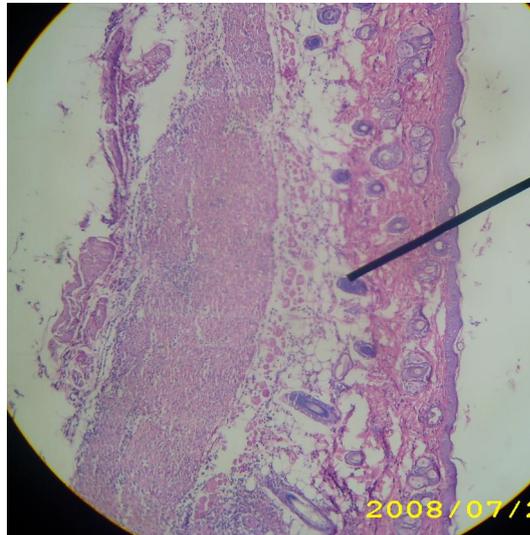
Lampiran 5. Gambar Hasil Pengamatan Mikroskopik Jaringan Kulit Mencit Dosis 1 dengan Perbesaran 100x



Lampiran 6. Gambar Hasil Pengamatan Mikroskopik Jaringan Kulit Mencit Dosis 2 dengan Perbesaran 100x



Lampiran 7. Gambar Hasil Pengamatan Mikroskopik Jaringan Kulit Mencit Dosis 3 dengan Perbesaran 100x



RIWAYAT HIDUP

Nama : Lina Wijaya

Nrp : 0510052

Tempat dan Tanggal Lahir : Mojokerto, 20 Juni 1987

Alamat : Jl. Sukakarya V No. 7 Bandung

Riwayat pendidikan :

1. SDN Seduri II, Mojosari. Lulus tahun 1999
2. SMP Taruna Nusa Harapan, Mojokerto. Lulus tahun 2002
3. SMA Taruna Nusa Harapan, Mojokerto. Lulus tahun 2005
4. Fakultas Kedokteran Universitas Kristen Maranatha, Bandung. 2005-sekarang