

Lampiran 1

Penghitungan Dosis

1. Larutan DSS

Larutan DSS yang digunakan adalah 2.5% dan diberikan per oral dengan volume 0.5 ml per mencit.

2. Dosis Ekstrak Air Buah Stroberi (EABS) untuk mencit

a. Dosis Manusia

8 buah stroberi perhari

1 buah Stroberi = 5 gram

8 buah stroberi x 5 gram = 40 gram

40 gram buah stroberi dikeringkan = 20 gram

b. Pembuatan Ekstrak

Dosis Ekstrak 1 Kg Simplisia diperoleh 50 gram ekstrak, jadi dalam 1 gram ekstrak setara dengan 20 gram simplisia untuk Dosis Manusia (DM).

c. Konversi ke mencit :

1 gram ekstrak DM x 0.0026 = 2.6 mg (setara dengan 1 gram DM)

- Dosis I = 10x Dosis Manusia (DM) = 26 mg =
1000/20 x 26 mg = 1.3 gram/KgBB
- Dosis II = 20x DM = 52 mg =
1000/20 x 52 mg = 2.6 gram/KgBB
- Dosis III = 40x DM = 104 mg =
1000/20 x 104 mg = 5.2 gram/KgBB

Lampiran 2

Data statistik skor konsistensi feses mencil

One Way Analysis of Variance

Data source: Data 1 in Notebook

Normality Test: Failed (P=<0.001)

Test execution ended by user request, ANOVA on Ranks begun

Kruskal-Wallis One Way Analysis of Variance on Ranks

Data source: Data 1 in Notebook

| <i>Group</i> | <i>N</i> | <i>Missing</i> |
|--------------|----------|----------------|
|--------------|----------|----------------|

| | | |
|--------------|----------|----------|
| <i>Col 1</i> | <i>6</i> | <i>0</i> |
|--------------|----------|----------|

| | | |
|--------------|----------|----------|
| <i>Col 2</i> | <i>6</i> | <i>0</i> |
|--------------|----------|----------|

| | | |
|--------------|----------|----------|
| <i>Col 3</i> | <i>6</i> | <i>0</i> |
|--------------|----------|----------|

| | | |
|--------------|----------|----------|
| <i>Col 4</i> | <i>6</i> | <i>0</i> |
|--------------|----------|----------|

| | | |
|--------------|----------|----------|
| <i>Col 5</i> | <i>6</i> | <i>0</i> |
|--------------|----------|----------|

| <i>Group</i> | <i>Median</i> | <i>25%</i> | <i>75%</i> |
|--------------|---------------|------------|------------|
|--------------|---------------|------------|------------|

| | | | |
|--------------|--------------|--------------|--------------|
| <i>Col 1</i> | <i>2.000</i> | <i>2.000</i> | <i>2.000</i> |
|--------------|--------------|--------------|--------------|

| | | | |
|--------------|--------------|--------------|--------------|
| <i>Col 2</i> | <i>2.000</i> | <i>2.000</i> | <i>2.000</i> |
|--------------|--------------|--------------|--------------|

Col 3 2.000 1.000 2.000

Col 4 2.000 2.000 3.000

Col 5 1.000 1.000 1.000

$H = 16.548$ with 4 degrees of freedom. ($P = 0.002$)

The differences in the median values among the treatments groups are greater than would be expected by chance; there is a statistically significant difference ($P = 0.002$)

To isolate the group or groups that differ from the others use a multiple comparison procedure.

All Pairwise Multiple Comparison Procedures (Student-Newman-Keuls Method) :

| <i>Comparison</i> | <i>Diff of Ranks</i> | <i>P</i> | <i>Q</i> | <i>P<0.05</i> |
|-----------------------|----------------------|----------|--------------|-----------------------|
| <i>Col 4 vs Col 5</i> | <i>104.000</i> | <i>5</i> | <i>4.823</i> | <i>Yes</i> |
| <i>Col 4 vs Col 3</i> | <i>48.000</i> | <i>4</i> | <i>2.771</i> | <i>No</i> |
| <i>Col 4 vs Col 2</i> | <i>34.000</i> | <i>3</i> | <i>2.600</i> | <i>No Test Needed</i> |
| <i>Col 4 vs Col 1</i> | <i>34.000</i> | <i>2</i> | <i>3.850</i> | <i>No Test Needed</i> |
| <i>Col 1 vs Col 5</i> | <i>70.000</i> | <i>4</i> | <i>4.041</i> | <i>Yes</i> |
| <i>Col 1 vs Col 3</i> | <i>14.000</i> | <i>3</i> | <i>1.071</i> | <i>No Test Needed</i> |
| <i>Col 1 vs Col 2</i> | <i>0.000</i> | <i>2</i> | <i>0.000</i> | <i>No Test Needed</i> |
| <i>Col 2 vs Col 5</i> | <i>70.000</i> | <i>3</i> | <i>5.353</i> | <i>Yes</i> |
| <i>Col 2 vs Col 3</i> | <i>14.000</i> | <i>2</i> | <i>1.585</i> | <i>No Test Needed</i> |
| <i>Col 3 vs Col 5</i> | <i>56.000</i> | <i>2</i> | <i>6.341</i> | <i>Yes</i> |

Lampiran 3

Data Statistik Persentase kriptas yang hilang pada mencit

Oneway

Descriptives

| hasil | | | | | | | | |
|-------|----|---------|----------------|------------|----------------------------------|-------------|---------|---------|
| | N | Mean | Std. Deviation | Std. Error | 95% Confidence Interval for Mean | | Minimum | Maximum |
| | | | | | Lower Bound | Upper Bound | | |
| 1 | 6 | 26.8333 | 1.72240 | .70317 | 25.0258 | 28.6409 | 24.00 | 29.00 |
| 2 | 6 | 10.5000 | 3.01662 | 1.23153 | 7.3343 | 13.6657 | 6.00 | 14.00 |
| 3 | 6 | 6.8333 | 2.22860 | .90982 | 4.4946 | 9.1721 | 4.00 | 10.00 |
| 4 | 6 | 6.3333 | .81650 | .33333 | 5.4765 | 7.1902 | 5.00 | 7.00 |
| 5 | 6 | 4.1667 | 1.94079 | .79232 | 2.1299 | 6.2034 | 2.00 | 7.00 |
| Total | 30 | 10.9333 | 8.56590 | 1.56391 | 7.7348 | 14.1319 | 2.00 | 29.00 |

Test of Homogeneity of Variances

| hasil | | | |
|------------------|-----|-----|------|
| Levene Statistic | df1 | df2 | Sig. |
| 2.794 | 4 | 25 | .048 |

ANOVA

| hasil | | | | | |
|----------------|----------------|----|-------------|---------|------|
| | Sum of Squares | df | Mean Square | F | Sig. |
| Between Groups | 2020.533 | 4 | 505.133 | 117.655 | .000 |
| Within Groups | 107.333 | 25 | 4.293 | | |
| Total | 2127.867 | 29 | | | |

Post Hoc Tests

Multiple Comparisons

Dependent Variable: hasil
Tukey HSD

| (I) perlakuan | (J) perlakuan | Mean Difference (I-J) | Std. Error | Sig. | 95% Confidence Interval | |
|---------------|---------------|-----------------------|------------|------|-------------------------|-------------|
| | | | | | Lower Bound | Upper Bound |
| Ctrl + | Ctrl - | 16.33333(*) | 1.19629 | .000 | 12.8200 | 19.8467 |
| | DS 1 | 20.00000(*) | 1.19629 | .000 | 16.4866 | 23.5134 |
| | Ds 2 | 20.50000(*) | 1.19629 | .000 | 16.9866 | 24.0134 |
| | Ds 3 | 22.66667(*) | 1.19629 | .000 | 19.1533 | 26.1800 |
| Ctrl - | Ctrl + | -16.33333(*) | 1.19629 | .000 | -19.8467 | -12.8200 |
| | DS 1 | 3.66667(*) | 1.19629 | .038 | .1533 | 7.1800 |
| | Ds 2 | 4.16667(*) | 1.19629 | .014 | .6533 | 7.6800 |
| | Ds 3 | 6.33333(*) | 1.19629 | .000 | 2.8200 | 9.8467 |
| DS 1 | Ctrl + | -20.00000(*) | 1.19629 | .000 | -23.5134 | -16.4866 |
| | Ctrl - | -3.66667(*) | 1.19629 | .038 | -7.1800 | -.1533 |
| | Ds 2 | .50000 | 1.19629 | .993 | -3.0134 | 4.0134 |
| | Ds 3 | 2.66667 | 1.19629 | .202 | -.8467 | 6.1800 |
| Ds 2 | Ctrl + | -20.50000(*) | 1.19629 | .000 | -24.0134 | -16.9866 |
| | Ctrl - | -4.16667(*) | 1.19629 | .014 | -7.6800 | -.6533 |
| | DS 1 | -.50000 | 1.19629 | .993 | -4.0134 | 3.0134 |
| | Ds 3 | 2.16667 | 1.19629 | .390 | -1.3467 | 5.6800 |
| Ds 3 | Ctrl + | -22.66667(*) | 1.19629 | .000 | -26.1800 | -19.1533 |
| | Ctrl - | -6.33333(*) | 1.19629 | .000 | -9.8467 | -2.8200 |
| | DS 1 | -2.66667 | 1.19629 | .202 | -6.1800 | .8467 |
| | Ds 2 | -2.16667 | 1.19629 | .390 | -5.6800 | 1.3467 |

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

Homogeneous Subsets

Tukey HSD

| perlakuan | N | Subset for alpha = .05 | | |
|-----------|---|------------------------|---------|---------|
| | | 1 | 2 | 3 |
| 5 | 6 | 4.1667 | | |
| 4 | 6 | 6.3333 | | |
| 3 | 6 | 6.8333 | | |
| 2 | 6 | | 10.5000 | |
| 1 | 6 | | | 26.8333 |
| Sig. | | .202 | 1.000 | 1.000 |

Means for groups in homogeneous subsets are displayed.

a Uses Harmonic Mean Sample Size = 6.000.

Lampiran 4

Surat Keputusan Komisi Etik Penelitian

| | | |
|---|---|--|
|  | KOMISI ETIK PENELITIAN FAKULTAS KEDOKTERAN UK MARANATHA - R.S. IMMANUEL BANDUNG No Reg : 033/KNEPK/2008 |  |
| Email: ethic_fkukmrsi@med.maranatha.edu | | |
| SURAT KEPUTUSAN NO: 102/KEP FK UKM-RSI/III/2009 | | |
| Menimbang: | a) | Bahwa dalam upaya melindungi hak asasi dan kesejahteraan subjek penelitian kesehatan harus mendapat penilaian dan rekomendasi etik penelitian kesehatan dari Komite Etik Penelitian Kesehatan |
| | b) | bahwa sehubungan dengan butir (a) tersebut diatas telah diajukan permohonan penilaian dan rekomendasi etik penelitian kesehatan berjudul: Efek Ekstrak Buah Stroberi Terhadap Kolitis Ulserativa pada Mencit Galur Balb/C yang diinduksi DSS oleh Ronald Susanto Budhy (0610146) selaku penanggung jawab penelitian |
| | c) | bahwa terhadap permohonan tersebut pada butir (b) telah dilakukan pengkajian yang mendalam oleh Komite Etik Penelitian Kesehatan |
| | d) | bahwa sehubungan dengan butir (a), (b) dan (c) perlu dikeluarkan surat keputusan hasil penilaian dan rekomendasi kelayakan etik penelitian (<i>ethical approval</i>) |
| Mengingat: | Surat Keputusan Dekan Fakultas Kedokteran Universitas Kristen Maranatha No. 286/V/S.Kep./FK-UKM/2008, tentang PEMBENTUKAN DAN PENGANGKATAN PENGURUS KOMISI ETIK PENELITIAN FAKULTAS KEDOKTERAN UNIVERSITAS KRISTEN MARANATHA – RUMAH SAKIT IMMANUEL (KEP FK UKM-RSI), periode 2008-2010, tanggal 15 Mei 2008. | |
| MEMUTUSKAN | | |
| Menetapkan | Pertama | Menyetujui dan mengijinkan pelaksanaan penelitian berjudul: Efek Ekstrak Buah Stroberi Terhadap Kolitis Ulserativa pada Mencit Galur Balb/C yang diinduksi DSS dengan penanggung jawab: Ronald Susanto Budhy (0610146) |
| | Kedua | Surat keputusan ini berlaku sejak ditetapkan dengan ketentuan akan ditinjau kembali apabila di kemudian hari ternyata terdapat kekeliruan |
| Ditetapkan di : Bandung Pada tanggal : 14 Maret 2009 | | |
| Ketua |  | Sekretaris |
|  | |  |
| Prof. DR H.R Mughtan Sujatno, dr, SpFK(K) | | Diana Krisanti Jasaputra, dr, M Kes |

Lampiran 5

Gambar Penelitian



Alat Penelitian



Hewan Coba



Penyondean EABS



Dekapitasi



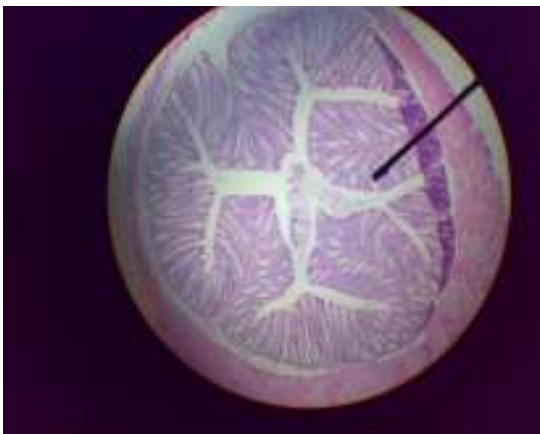
Laparotomi



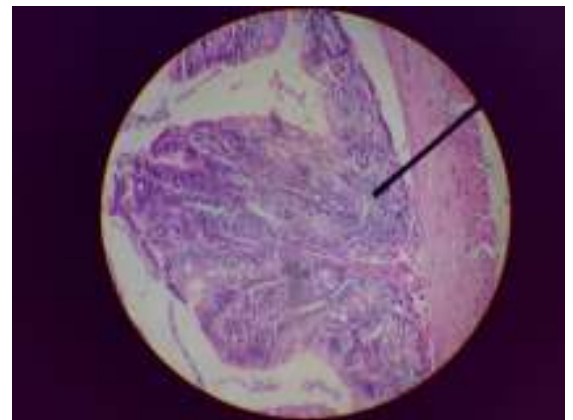
Kolon Mencit



Preparat



Kolon potongan melintang 10x



Kolon potongan melintang 40x



Preparat Kontrol positif & Negatif



Preparat KP. 1, 2, & 3

RIWAYAT HIDUP

Nama : Ronald Susanto Budhy

NRP : 0610146

Tempat dan Tanggal Lahir : Jakarta, 4 Maret 1989

Alamat : Jl. Gunung Batu no. 205 Cimahi

Riwayat Pendidikan :

SD : SD Kuncup Pertiwi Kendari (Sulawesi Tenggara), 2000

SMP : SMP 1 Kendari (Sulawesi Tenggara), 2003

SMA : SMA 1 Kendari (Sulawesi Tenggara), 2006

2006-sekarang Mahasiswa Fakultas Kedokteran Universitas Kristen Maranatha