

LAMPIRAN

LAMPIRAN 1. Surat Etik Penelitian



Fakultas Kedokteran dan Ilmu Kesehatan
Universitas Muhammadiyah Yogyakarta

**SURAT KETERANGAN
KELAYAKAN ETIKA PENELITIAN**
Nomor : 330/EP-FKIK-UMY/VII/2015

Komisi Etika Penelitian Fakultas Kedokteran dan Ilmu Kesehatan Universitas Muhammadiyah Yogyakarta yang terdiri atas :

1. Prof. dr.H. Djauhar Ismail, Sp.A(K), Ph.D
2. Prof.Dr.dr.H. Soewito A, Sp.THT-KL
3. drg. Ana Medawati, M.Kes
4. drh. Tri Wulandari, M.Kes
5. Dr. dr. Titiek Hidayati, M. Kes
6. Dr. dr. Tri Wahyuliati, Sp. S., M. Kes
7. Titih Huriah, Ns., M. Kep., Sp. Kom
8. Dr. drg. Tita Ratya Utari, Sp. Ort
9. Sabtanti Harimurti, Ph. D., Apt
10. Dr. dr. Arlina Dewi, MMR
11. Yuni Permatasari Istanti, S. Kep. Ns., Sp. KMB
12. Dra. Irma Risdiyana, Apt., MPH

Telah mengkaji permohonan kelayakan etika penelitian yang diajukan oleh :

Nama Peneliti : Ninin Khoirunnisa AS
NIM : 20120310044
Judul Penelitian : Potensi Daun Pegagan (*Centela asiatica*) Dalam Rehabilitasi Hepatitis Alkoholik Pada Sel Hepar Mencit (*Mus musculus*)
Pada Tanggal : 09 Juli 2015
Dengan hasil : Layak Etik dengan Usul Perbaikan
Catatan dan Saran :

Demikian surat keterangan ini diberikan untuk dapat digunakan sebagaimana mestinya.

Yogyakarta, 14 Juli 2015

Sekretaris,









Dr. dr. Titiek Hidayati, M. Kes






Kampus:

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Muda mendunia

LAMPIRAN 2. Gambaran Morfologi Hepar

| Kelompok 1 | Kelompok 1 |
|-------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------|
|  |  |
| Kelompok 2 | Kelompok 2 |
|  |  |
| Kelompok 3 | Kelompok 3 |
|  |  |

| | |
|-------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------|
| Kelompok 4 | Kelompok 4 |
|  |  |
| Kelompok 5 | Kelompok 5 |
|  | |
| Kelompok 6 | Kelompok 6 |
|  |  |

**LAMP
IRAN
3. Data
Peneliti
an
UJI
NORM
ALITA
S
BERA
T
HEPA
R**

| | |
|----------|-------|
| Kelompok | Cases |
|----------|-------|

| | | Valid | | Missing | | Total | |
|-------|-----------------|-------|---------|---------|---------|-------|---------|
| | | N | Percent | N | Percent | N | Percent |
| Berat | kontrol normal | 5 | 100.0% | 0 | .0% | 5 | 100.0% |
| | kontrol negatif | 5 | 100.0% | 0 | .0% | 5 | 100.0% |
| | kontrol positif | 5 | 100.0% | 0 | .0% | 5 | 100.0% |
| | pegagan55 mg | 5 | 100.0% | 0 | .0% | 5 | 100.0% |
| | pegagan 110mg | 5 | 100.0% | 0 | .0% | 5 | 100.0% |
| | pegagan 220mg | 5 | 100.0% | 0 | .0% | 5 | 100.0% |

Tests of Normality

| Kelompok | | Kolmogorov-Smirnov(a) | | | Shapiro-Wilk | | |
|----------|-----------------|-----------------------|----|---------|--------------|----|------|
| | | Statistic | df | Sig. | Statistic | df | Sig. |
| Berat | kontrol normal | .218 | 5 | .200(*) | .902 | 5 | .422 |
| | kontrol negatif | .397 | 5 | .010 | .730 | 5 | .019 |
| | kontrol positif | .247 | 5 | .200(*) | .870 | 5 | .264 |
| | pegagan55 mg | .233 | 5 | .200(*) | .869 | 5 | .261 |
| | pegagan 110mg | .257 | 5 | .200(*) | .828 | 5 | .134 |
| | pegagan 220mg | .236 | 5 | .200(*) | .893 | 5 | .371 |

* This is a lower bound of the true significance.

a Lilliefors Significance Correction

UJI NORMALITAS VOLUME HEPAR

Case Processing Summary

| Kelompok | | Cases | | | | | |
|----------|-----------------|-------|---------|---------|---------|-------|---------|
| | | Valid | | Missing | | Total | |
| | | N | Percent | N | Percent | N | Percent |
| Volume | kontrol normal | 5 | 100.0% | 0 | .0% | 5 | 100.0% |
| | kontrol negatif | 5 | 100.0% | 0 | .0% | 5 | 100.0% |
| | kontrol positif | 5 | 100.0% | 0 | .0% | 5 | 100.0% |
| | pegagan55 mg | 5 | 100.0% | 0 | .0% | 5 | 100.0% |
| | pegagan 110mg | 5 | 100.0% | 0 | .0% | 5 | 100.0% |
| | pegagan 220mg | 5 | 100.0% | 0 | .0% | 5 | 100.0% |

Tests of Normality

| Kelompok | Kolmogorov-Smirnov(a) | | | Shapiro-Wilk | | |
|-----------------------|-----------------------|----|---------|--------------|----|------|
| | Statistic | df | Sig. | Statistic | df | Sig. |
| Volume kontrol normal | .244 | 5 | .200(*) | .871 | 5 | .272 |
| kontrol negatif | .473 | 5 | .001 | .552 | 5 | .000 |
| kontrol positif | .300 | 5 | .161 | .883 | 5 | .325 |
| pegagan55 mg | .231 | 5 | .200(*) | .881 | 5 | .314 |
| pegagan 110mg | .300 | 5 | .161 | .833 | 5 | .146 |
| pegagan 220mg | .473 | 5 | .001 | .552 | 5 | .000 |

* This is a lower bound of the true significance.

a Lilliefors Significance Correction

UJI KRUSKAL WALLIS BERAT

Ranks

| Kelompok | N | Mean Rank |
|----------------------|----|-----------|
| BERAT kontrol normal | 5 | 11.90 |
| kontrol negatif | 5 | 24.20 |
| kontrol positif | 5 | 16.10 |
| pegagan55 mg | 5 | 13.20 |
| pegagan 110mg | 5 | 11.50 |
| pegagan 220mg | 5 | 16.10 |
| Total | 30 | |

Test Statistics(a,b)

| | BERAT |
|-------------|-------|
| Chi-Square | 7.150 |
| df | 5 |
| Asymp. Sig. | .210 |

a Kruskal Wallis Test

b Grouping Variable: Kelompok

UJI KRUSKAL WALLIS VOLUME

Ranks

| | Kelompok | N | Mean Rank |
|--------|-----------------|----|-----------|
| Volume | kontrol normal | 5 | 10.90 |
| | kontrol negatif | 5 | 20.30 |
| | kontrol positif | 5 | 17.50 |
| | pegagan55 mg | 5 | 19.20 |
| | pegagan 110mg | 5 | 15.90 |
| | pegagan 220mg | 5 | 9.20 |
| | Total | 30 | |

Test Statistics(a,b)

| | Volume |
|-------------|--------|
| Chi-Square | 7.378 |
| df | 5 |
| Asymp. Sig. | .194 |

a Kruskal Wallis Test

b Grouping Variable: Kelompok

UJI MANN-WHITNEY BERAT

Ranks

| Kelompok | | N | Mean Rank | Sum of Ranks |
|----------|----------------|----|-----------|--------------|
| BERAT | kontrol normal | 5 | 4.70 | 23.50 |
| | pegagan 220mg | 5 | 6.30 | 31.50 |
| | Total | 10 | | |

Test Statistics(b)

| | BERAT |
|--------------------------------|---------|
| Mann-Whitney U | 8.500 |
| Wilcoxon W | 23.500 |
| Z | -.838 |
| Asymp. Sig. (2-tailed) | .402 |
| Exact Sig. [2*(1-tailed Sig.)] | .421(a) |

a Not corrected for ties.

b Grouping Variable: Kelompok

UJI MANN-WHITNEY VOLUME

Ranks

| Kelompok | | N | Mean Rank | Sum of Ranks |
|----------|----------------|----|-----------|--------------|
| VOLUME | kontrol normal | 5 | 5.30 | 26.50 |
| | pegagan 220mg | 5 | 5.70 | 28.50 |
| | Total | 10 | | |

Test Statistics(b)

| | VOLUME |
|--------------------------------|---------|
| Mann-Whitney U | 11.500 |
| Wilcoxon W | 26.500 |
| Z | -.224 |
| Asymp. Sig. (2-tailed) | .822 |
| Exact Sig. [2*(1-tailed Sig.)] | .841(a) |

a Not corrected for ties.

b Grouping Variable: Kelompok

LAMPIRAN 4. Konversi Dosis untuk Manusia dan Hewan

| | Mencit (20 g) | Tikus (200 g) | Marmut (400 g) | Kelinci (1,5 kg) | Kucing (2 kg) | Kera (4 kg) | Anjing (12 kg) | Manusia (70 kg) |
|---------------------|------------------|------------------|-------------------|---------------------|------------------|----------------|-------------------|--------------------|
| Mencit (20 g) | 1,0 | 7,0 | 12,25 | 27,8 | 29,7 | 64,1 | 124,2 | 387,9 |
| Tikus (200 g) | 0,14 | 1,0 | 1,74 | 3,9 | 4,2 | 9,2 | 17,8 | 56,0 |
| Marmut (400 g) | 0,08 | 0,57 | 1,0 | 2,25 | 2,4 | 5,2 | 10,2 | 31,5 |
| Kelinci (1,5 kg) | 0,04 | 0,25 | 0,44 | 1,0 | 1,08 | 2,4 | 4,5 | 14,2 |
| Kucing (2 kg) | 0,03 | 0,23 | 0,41 | 0,92 | 1,0 | 2,2 | 4,1 | 13,0 |
| Kera (4 kg) | 0,016 | 0,11 | 0,19 | 0,42 | 0,45 | 1,0 | 1,9 | 6,1 |
| Anjing (12 kg) | 0,008 | 0,06 | 0,1 | 0,22 | 0,24 | 0,52 | 1,0 | 3,1 |
| Manusia (70 kg) | 0,0026 | 0,018 | 0,031 | 0,07 | 0,076 | 0,16 | 0,32 | 1,0 |

(Sumber: Ngatidjan, 1991)

| |
|--------------------------------------------------------------|
| Konversi Dosis Prednisolon |
| Dosis manusia 40-60mg/hari selama 2-3 minggu |
| Konversi dosis manusia → mencit 20g = 0.0026 |
| Maka dosis untuk mencit 20g adalah : 40mg X 0,0026 = 0,104mg |