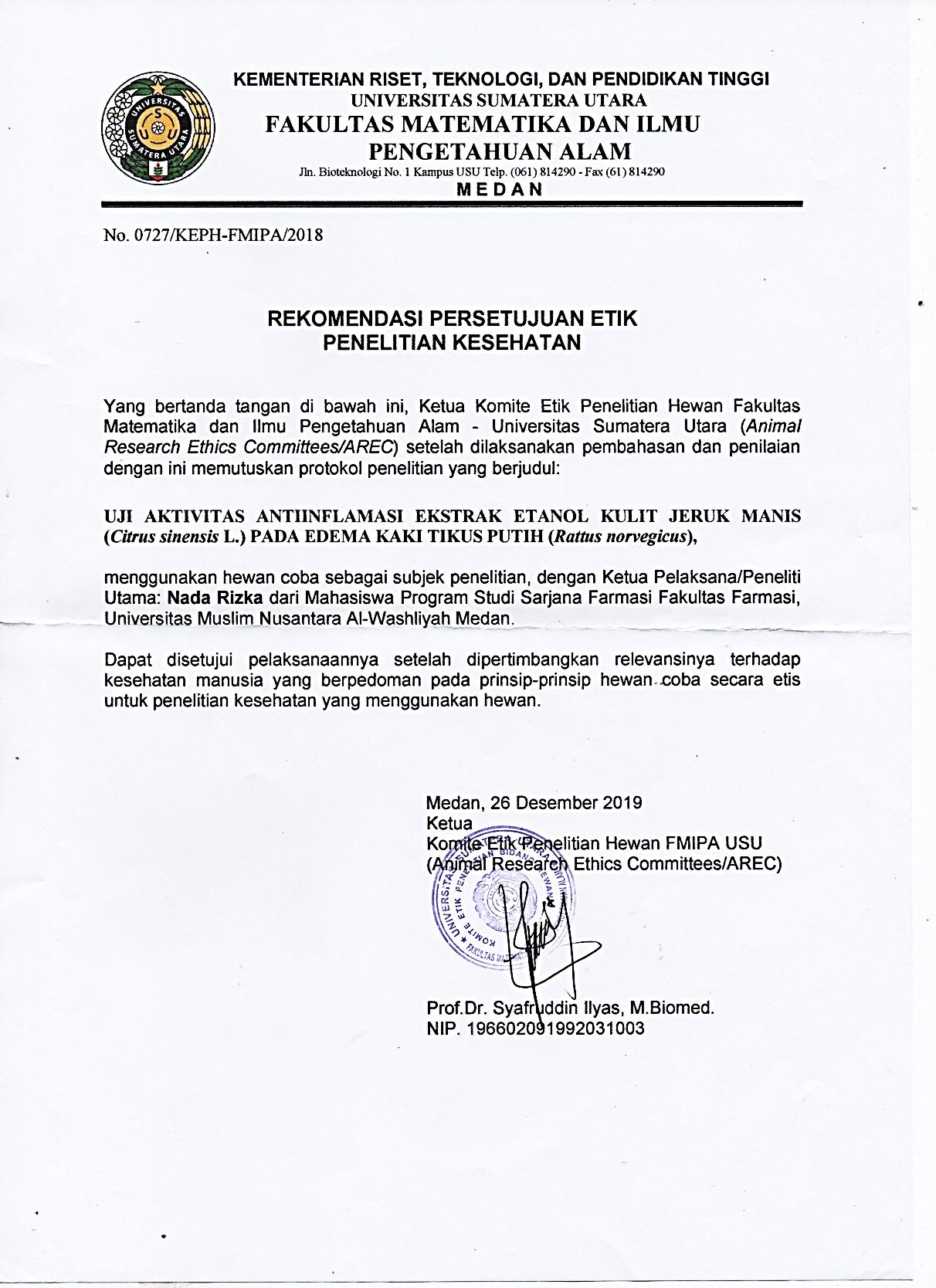
**Lampiran 1.** Hasil Kulit Jeruk Manis (*Citrus sinensis* L.) Osbeck



**Lampiran 2**. Etichal Clearance



**Lampiran 3**. Pengolahan Sampel Kulit Jeruk Manis (Citrus sinensisn (L.) Osbeck



Proses pengeringan Kulit jeruk Manis



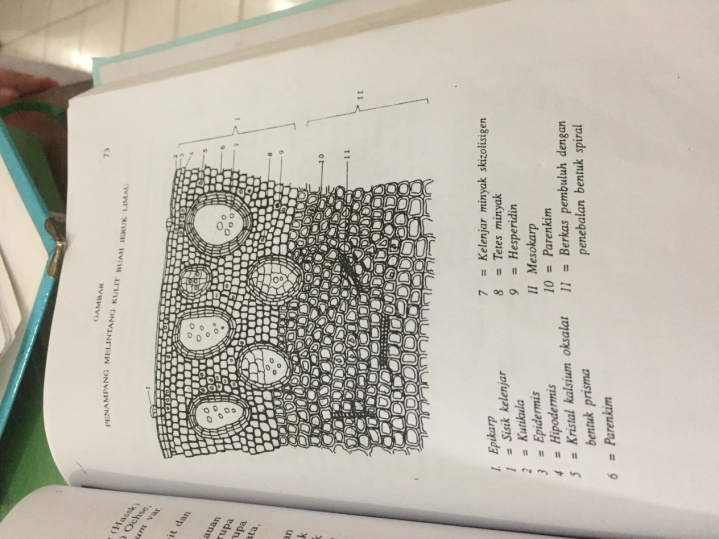
Simplisia kulit jeruk manis

**Lampiran 3.** (Lanjutan)



Serbuk Simplisia kulit jeruk manis

**Lampiran 4.** Pemeriksaan Makroskopis dan Mikroskopis Simplisia Kulit jeruk manis (*Citrus sinensis* L.) Osbeck)





1

4

2

3

Perbesaran 10/0.25

Keterangan:

* + 1. Epidermis
    2. Stomata
    3. Minyak atsiri
    4. Kristal kalsium oksalat

**Lampiran 5**. Pengujian Hewan



Timbangan tikus



Penyuntikan kaki tikus secara intraplantar

**Lampiran 5.** (Lanjutan)



Kaki yang bengkak



Pengukuran inflamasi dengan plestimometer

**Lampiran 6.** Bagan alir penelitian

Kulit Jeruk Manis

Dibersihkan

Dicuci bersih

Ditiriskan

Ditimbang

Kulit Jeruk Manis 6000 gr

Dikeringkan

Ditimbang

Simplisia kering 700 gr

Dihaluskan

Ditimbang

Serbuk simplisi 530 gr

Serbuk simplisia 500 gr

Pemeriksaan karakterisasi

Dilakukan skrining fitokimia serbuk dan ekstrak

Di maserasi

1. makroskopik

2. mikroskopik

3. penetapan kadar air

4.penetapan kadar sari larut dalam air

5.penetapan kadar sari larut dalam etanol

6.penetapan kadar abu total

7. penetapan kadar abu tidak larut dalam asam

Maserat

1. alkaloida

2. tanin

3. flavonida

4. glikosida

5. steroida/

triterpenoid

6. saponin

Diuapkan dengan

rotari evaporatory

Ekstrak kental 58,07 gr

Dilakukan uji antiinflamasi

**Lampiran 7.** Bagan alir pengujian farmakologi

25 ekor tikus putih jantan

Dipuasakan ± 18 jam

Kelompok 3

(5 ekor)

Kelompok 2

(5 ekor)

Kelompok 1

(5 ekor)

Kelompok 4

(5 ekor)

Kelompok 5

(5 ekor)

Pengukuran volume awal kaki tikus

Pengukuran volume awal 1 jam setelah pemberian λ-karagenan 1%

Diberi EEKJM 300 mg/kgBB

Diberi EEKJM 200 mg/kg BB

Kontrol positif diberi suspensi Na diklofenak

Kontrol negatif diberi suspensi CMC 0,5%

Diberi EEKJM 100 mg/kg BB

Pengukuran pengukuran volume kaki tikus setelah 1 jam sekali selama 6 jam

Analisis data

**Lampiran 8.** Perhitungan hasil pemeriksaan karakterisasi simplisia

1. Perhitungan penetapan kadar air simplisia

|  |  |  |
| --- | --- | --- |
| Berat sampel | Volume awal | Volume akhir |
| 5 g | 1.3 ml | 1.7 ml |
| 5 g | 1.5 ml | 1.8 ml |
| 5 g | 1.3 ml | 1.5 ml |

% Kadar air simplisia = x 100%

1. Berat simplisia I = 5 g

Volume air = 0.4 ml

% Kadar air = x 100% = 8 %

1. Berat simplisia II = 5 g

Volume air = 0.3 ml

% Kadar air = x 100% = 6 %

1. Berat simplisia III = 5 g

Volume air = 0.2 ml

% Kadar air =  *x* 100% = 4%

% Kadar air rata-rata = = 6%

**Lampiran 8.** (Lanjutan)

1. Penetapan kadar sari larut dalam air

|  |  |  |  |
| --- | --- | --- | --- |
| Berat sampel | Berat cawan kosong | Berat cawan berisi | Berat sari |
| 5 g | 31.71 g | 31.98 g | 0.27 g |
| 5 g | 31.74 g | 31.97 g | 0.23 g |
| 5 g | 31.72 g | 31.98 g | 0.26 g |

% Kadar sari larut dalam air = x 100%

1. Berat simplisia I = 5 g

Berat sari = 0.27 g

% Kadar sari larut dalam air = x 100% = 27%

1. Berat simplisia I I = 5 g

Berat sari = 0.35 g

% Kadar sari larut dalam air = x 100% = 23%

1. Berat simplisia I II = 5 g

Berat sari = 0.38 g

% Kadar sari larut dalam air = x 100% = 26%

% Kadar sari rata-rata = = 25,3%

**Lampiran 8.** (Lanjutan)

1. Penetapan kadar sari larut dalam etanol

|  |  |  |  |
| --- | --- | --- | --- |
| Berat sampel | Berat cawan kosong | Berat cawan berisi | Berat sari |
| 5 g | 32.30 g | 32.41 g | 0.11 g |
| 5 g | 32.31 g | 32.40 g | 0.09 g |
| 5 g | 32.32 g | 32.40 g | 0.08 g |

% Kadar sari larut dalam etanol = x 100%

1. Berat simplisia I = 5 g

Berat sari = 0.11 g

% Kadar sari larut etanol = x 100% = 11%

1. Berat simplisia I I = 5 g

Berat sari = 0.11 g

% Kadar sari larut etanol = x 100% = 9%

1. Berat simplisia I II = 5 g

Berat sari = 0.11 g

% Kadar sari larut etanol = x 100% = 8%

% Kadar sari larut etanol rata-rata = = 9,33%

**Lampiran 8.** (Lanjutan)

1. Penetapan kadar abu total

|  |  |  |  |
| --- | --- | --- | --- |
| Berat sampel | Berat cawan kosong | Berat cawan berisi | Berat abu total |
| 2 g | 60.04 g | 60.23 g | 0.19 g |
| 2 g | 60.16 g | 60.22 g | 0.06 g |
| 2 g | 59.19 g | 59.33 g | 0.04 g |

% Kadar abu total = x 100%

1. Berat simplisia I = 2 g

Berat sari = 0.19 g

% Kadar abu total = x 100% = 9.5%

1. Berat simplisia I I = 2 g

Berat sari = 0.06 g

% Kadar abu total = x 100% = 3%

1. Berat simplisia I II = 2 g

Berat sari = 0.04 g

% Kadar abu total = x 100% = 2%

% Kadar abu total rata-rata = = 4.83%

**Lampiran 8.** (Lanjutan)

1. Penetapan kadar abu tidak larut dalam asam

|  |  |  |  |
| --- | --- | --- | --- |
| Berat sampel | Berat cawan kosong | Berat cawan berisi | Berat abu |
| 2 g | 60.22 g | 60.23 g | 0.01 g |
| 2 g | 60.21 g | 60.22 g | 0.01 g |
| 2 g | 59.22 g | 59.23 g | 0.01 g |

% Kadar abu tidak larut asam = x 100%

1. Berat simplisia I = 2 g

Berat sari = 0.01 g

% Kadar abu tidak larut asam = x 100% = 0.5%

1. Berat simplisia I I = 2 g

Berat sari = 0.01 g

% Kadar abu tidak larut asam = x 100% = 0.5%

1. Berat simplisia I II = 5 g

Berat sari = 0.01 g

% Kadar abu tidak larut asam = x 100% = 0.5%

% Kadar abu tidak larut asam rata-rata = = 0.5%

**Lampiran 9.** Contoh Perhitungan Dosis

**1. Perhitungan Dosis CMC 0,5%**

CMC 0,5% = Jumlah cmc / Volume Suspensi

= 0,5 g / 100 ml

= 500 mg / 100 ml

= 5 mg / ml

Perhitungan CMC 0,5% pada tikus dengan BB =200 g

= x200 g

= 1 ml

**2. Perhitungan Dosis Na Diklofenak**

Konversi dosis dari manusia (70 kg) ke tikus (200 g) = 0,018

Dosis Na diklofenak untuk manusia dewasa dengan BB (70 kg) = 25 mg

Maka dosis pada tikus Na diklofenak = 25 mg x 0,018

= 0,45 mg / 0,2 kg

= 2,25 mg / kg BB

Konsentrasi Suspensi Na diklofenak

Suspensi Na diklofenak 0,025% = Jumlah Na diklofenak / Volume Suspensi

= 25 mg / 100 ml

= 0,25 mg/ml

Dosis untuk tikus (200 g) = x 200 g = 0,45 mg

Volume suspensi yang diambil =

= = 1,8 ml

**Lampiran 9.** (Lanjutan)

**3. Perhitungan Dosis EEKJM 100 mg/kg BB**

* Konsentrasi suspensi EEKJM

Konsentrasi EEKJM 1% = Jumlah EEKJM / Volume Suspensi

= 1000 mg / 100 ml

= 10 mg/ml

* BB tikus 200 g atau 0,2 kg
* Perhitungan dosis 100 mg/kgBB

= x 200 g

= 20 mg

Volume suspensi yang diberikan =

=

= 2 ml

**4. Perhitungan Dosis EEKJM 200 mg/kg BB**

* Konsentrasi suspensi EEKJM

Konsentrasi EEKJM 2% = Jumlah EEKJM / Volume Suspensi

= 2000 mg / 100 ml

= 20 mg/ml

* BB tikus 200 g atau 0,2 kg
* Perhitungan dosis 200 mg/kgBB

= x 200 g

= 40 mg

* Volume suspensi yang diberikan =

=

= 2 ml

**Lampiran 9.** (Lanjutan)

1. **Perhitungan Dosis EEKJM 300 mg/kg BB**

* Konsentrasi suspensi EEKJM

Konsentrasi EEKJM 3% = Jumlah EEKJM / Volume Suspensi

= 3000 mg / 100 ml

= 30 mg/ml

* BB tikus 200 g atau 0,2 kg
* Perhitungan dosis 400 mg/kgBB

= x 200 g

= 60 mg

* Volume suspensi yang diberikan =

=

= 2 ml

**Lampiran 10**. Contoh Perhitungan Persen Radang dan Persen Inhibisi Radang

1. **Persen Radang**

Vt =Volume radang setelah waktu t

V0 = Volume awal kaki tikus

Misalnya:

Ekstrak kulit jeruk manis dosis 100 mg/kg BB pada menit ke- 60

Diketahui:

Vt = 0.077

Vo =0.06

x 100% = 10.416

1. **Persen Inhibisi Radang**

(%IR) = x 100%

a = Persen radang rata-rata kelompok kontrol

b= Persen radang rata-rata kelompok perlakuan mendapat bahan uji atau obat pembanding

Misalnya

Ekstrak etanol kulit jeruk manis dosis 100 mg/kg BB pada menit ke 60

a= 16.68

b= 6.48

Persen radang inhibisi =x 100%= 16.151

**Lampiran 11.** Tabel konversi dosis (g); tabel volume maksimum lambung pada hewan (ml) dan contoh perhitungan dosis parasetamol

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Konvesi | Mencit 20 g | **Tikus 200 g** | Marmut 400 g | Kelinci 1,5 kg | Kucing 1,5 kg | Kera 4 kg | Anjing 12 kg | Manusi 70 kg |
| Mencit 20 g | 1,0 | 7,0 | 12,23 | 27,80 | 29,70 | 64,10 | 124,20 | 387,9 |
| Tikus 200 g | 0,14 | 1,0 | 1,74 | 3,90 | 4,20 | 9,20 | 17,80 | 56,0 |
| Marmut 400 g | 0,08 | 0,57 | 1,0 | 2,25 | 2,40 | 5,20 | 10,20 | 31,50 |
| Kelinci 1,5 g | 0,04 | 0,25 | 0,44 | 1,0 | 1,08 | 2,40 | 4,50 | 14,20 |
| Kucing 1,5 g | 0,03 | 0,23 | 0,41 | 0,92 | 1,0 | 2,20 | 4,10 | 13,0 |
| Kera 4kg | 0,016 | 0,11 | 0,19 | 0,42 | 0,43 | 0,1 | 1,9 | 6,1 |
| Anjing 12 kg | 0,008 | 0,06 | 0,10 | 0,22 | 1,24 | 0,52 | 1,0 | 3,10 |
| **Manusia 70 kg** | 0,0026 | **0,018** | 0,031 | 0,07 | 0,076 | 0,16 | 0,32 | 1,0 |

**Lampiran 11.** (Lanjutan)

Tabel konversi dosis hewan percobaan dengan manusia

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Jenis hewan uji | Volume maksimum (ml) sesuai jalur pemberian | | | | |
| i.v | i.m | **i.p** | s.c | **p.o** |
| Mencit  (20-30 g) | 0,5 | 0,05 | 1,0 | 0,5-1,0 | 1,0 |
| **Tikus**  **(200 g)** | 1,0 | 0,1 | **2-5** | 2-5 | **5,0** |
| Hamster  (50 g) | - | 0,1 | 1-2 | 2,5 | 2,5 |
| Maemut  (250 g) | - | 0,25 | 2-5 | 5,0 | 10,0 |
| Kelinci  (3 kg) | 5-10 | 0,5 | 10-20 | 5-10 | 20,0 |
| Kucing  (3 kg) | 5-10 | 1,0 | 10-20 | 5-10 | 50,0 |
| Anjing  (5 kg) | 10-20 | 5,0 | 20-50 | 10,0 | 100,0 |

**Lampiran 12.**  Data Perlakuan Hewan Uji

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Perlakuan | Vo | 60 menit | | 120 menit | | 180 menit | | 240 menit | | 300 menit | | 360 menit | |
|  | V1 | % Radang | V2 | % Radang | V3 | % Radang | V4 | % Radang | V5 | % Radang | V6 | % Radang |
| CMC  0,5% | 0,046  0,05  0,044  0,062  0,058 | 0,055  0,059  0,051  0,072  0,066 | 19,57  18,00  15,91  16,13  13,79 | 0,062  0,069  0,06  0,083  0,081 | 34,78  38,00  36,36  33,87  39,66 | 0,067  0,073  0,063  0,088  0,084 | 45,65  46,00  43,18  41,94  44,83 | 0,077  0,079  0,073  0,092  0,098 | 67,39  58,00  65,91  48,39  68,97 | 0,081  0,084  0,079  0,096  0,102 | 76,09  68,00  79,55  54,84  75,86 | 0,088  0,086  0,082  0,105  0,11 | 91,30  72,00  86,36  69,35  89,66 |
| Rata-rata |  |  | 16,68 |  | 36,53 |  | 44,32 |  | 61,73 |  | 70,87 |  | 81,74 |
| Na Diklofenak | 0,062  0,06  0,057  0,047  0,051 | 0,066  0,063  0,061  0,051  0,053 | 6,45  5,12  7,92  8,61  3,99 | 0,07  0,068  0,066  0,055  0,061 | 12,90  17,33  19,03  19,02  19,10 | 0,076  0,73  0,071  0,061  0,064 | 22,98  22,87  28,96  29,79  28,49 | 0,083  0,081  0,078  0,068  0,067 | 33,97  35,97  36,99  44,98  35,97 | 0,075  0,071  0,067  0,057  0,061 | 20,97  18,49  20,56  21,28  19,61 | 0,069  0,066  0,062  0,053  0,055 | 11,29  10,09  8,07  12,07  7,44 |
| Rata-rata |  |  | 6,48 |  | 17,47 |  | 26,61 |  | 37,63 |  | 20,19 |  | 9,79 |
| EEKJM 100 mg/kg bb | 0,048  0,054  0,058  0,062  0,056 | 0,053  0,062  0,069  0,068  0,065 | 10,42  14,81  18,97  9,68  16,07 | 0,059  0,067  0,073  0,081  0,071 | 22,92  24,07  25,86  30,68  26,79 | 0,068  0,074  0,079  0,086  0,075 | 41,67  37,04  36,21  38,71  33,93 | 0,076  0,080  0,084  0,091  0,086 | 58,33  48,15  44,83  46,77  53,57 | 0,073  0,078  0,080  0,086  0,079 | 52,08  44,46  37,93  38,71  41,07 | 0,069  0,075  0,077  0,081  0,072 | 43,75  38,89  32,76  30,65  28,57 |
| Rata-rata |  |  | 13,99 |  | 26,06 |  | 37,51 |  | 50,33 |  | 42,85 |  | 34,92 |
| EEKJM 200 | 0,054  0,062  0,061  0,043  0,047 | 0,063  0,068  0,066  0,049  0,052 | 16,67  9,68  8,20  13,95  9,70 | 0,069  0,075  0,071  0,054  0,058 | 27,78  20,97  16,39  25,58  22,38 | 0,075  0,083  0,082  0,059  0,063 | 38,89  33,87  34,43  37,21  32,91 | 0,079  0,088  0,086  0,065  0,068 | 46,30  41,94  40,98  51,16  43,48 | 0,074  0,082  0,080  0,058  0,061 | 37,04  32,26  31,15  34,88  28,69 | 0,071  0,078  0,076  0,052  0,056 | 31,48  25,81  24,59  20,93  18,14 |
| Rata-rata |  |  | 11,64 |  | 22,62 |  | 35,46 |  | 44,77 |  | 32,80 |  | 24,19 |
| EEKJM 300 mg/kg bb | 0,063  0,059  0,047  0,061  0,056 | 0,068  0,066  0,051  0,065  0,063 | 7,94  11,86  8,51  6,56  12,50 | 0,074  0,071  0,056  0,072  0,069 | 17,46  20,34  19,15  18,03  23,21 | 0,081  0,075  0,059  0,074  0,077 | 28,57  27,12  25,53  21,31  37,52 | 0,087  0,083  0,064  0,084  0,080 | 38,10  40,68  36,17  37,70  42,86 | 0,084  0,075  0,058  0,079  0,068 | 33,33  27,12  23,40  29,51  21,44 | 0,075  0,068  0,052  0,069  0,063 | 19,05  15,25  10,64  13,11  12,50 |
| Rata-rata |  |  | 9,47 |  | 19,63 |  | 28,01 |  | 39,10 |  | 26,96 |  | 14,11 |

**Lampiran 13.** Hasil Uji Normalitas Radang

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| **Tests of Normality** | | | | | | | |
|  | Kelompok | Kolmogorov-Smirnova | | | Shapiro-Wilk | | |
|  | Statistic | df | Sig. | Statistic | df | Sig. |
| Menit\_60 | CMC Na | .199 | 5 | .200\* | .977 | 5 | .915 |
| Na Diklofenak | .160 | 5 | .200\* | .985 | 5 | .960 |
| EEKJM 100 mg/kg bb | .219 | 5 | .200\* | .930 | 5 | .594 |
| EEKJM 200 mg/kg bb | .308 | 5 | .136 | .886 | 5 | .336 |
| EEKJM 300 mg/kg bb | .246 | 5 | .200\* | .900 | 5 | .408 |
| Menit\_120 | CMC Na | .172 | 5 | .200\* | .967 | 5 | .856 |
| Na Diklofenak | .208 | 5 | .200\* | .939 | 5 | .658 |
| EEKJM 100 mg/kg bb | .203 | 5 | .200\* | .947 | 5 | .714 |
| EEKJM 200 mg/kg bb | .154 | 5 | .200\* | .979 | 5 | .931 |
| EEKJM 300 mg/kg bb | .185 | 5 | .200\* | .921 | 5 | .537 |
| Menit\_180 | CMC Na | .217 | 5 | .200\* | .919 | 5 | .521 |
| Na Diklofenak | .216 | 5 | .200\* | .926 | 5 | .572 |
| EEKJM 100 mg/kg bb | .165 | 5 | .200\* | .987 | 5 | .968 |
| EEKJM 200 mg/kg bb | .260 | 5 | .200\* | .917 | 5 | .512 |
| EEKJM 300 mg/kg bb | .262 | 5 | .200\* | .929 | 5 | .590 |
| Menit\_240 | CMC Na | .287 | 5 | .200\* | .865 | 5 | .248 |
| Na Diklofenak | .262 | 5 | .200\* | .893 | 5 | .373 |
| EEKJM 100 mg/kg bb | .253 | 5 | .200\* | .922 | 5 | .543 |
| EEKJM 200 mg/kg bb | .225 | 5 | .200\* | .909 | 5 | .460 |
| EEKJM 300 mg/kg bb | .247 | 5 | .200\* | .947 | 5 | .715 |
| Menit\_300 | CMC Na | .293 | 5 | .186 | .860 | 5 | .228 |
| Na Diklofenak | .162 | 5 | .200\* | .956 | 5 | .778 |
| EEKJM 100 mg/kg bb | .221 | 5 | .200\* | .880 | 5 | .310 |
| EEKJM 200 mg/kg bb | .166 | 5 | .200\* | .986 | 5 | .962 |
| EEKJM 300 mg/kg bb | .173 | 5 | .200\* | .975 | 5 | .903 |
| Menit\_360 | CMC Na | .273 | 5 | .200\* | .838 | 5 | .161 |
| Na Diklofenak | .156 | 5 | .200\* | .978 | 5 | .926 |
| EEKJM 100 mg/kg bb | .235 | 5 | .200\* | .929 | 5 | .593 |
| EEKJM 200 mg/kg bb | .175 | 5 | .200\* | .978 | 5 | .923 |
| EEKJM 300 mg/kg bb | .222 | 5 | .200\* | .946 | 5 | .709 |
| \*. This is a lower bound of the true significance. | | | | | | | |
| a. Lilliefors Significance Correction | | | | | | | |

**Lanjutan 13.** (Lanjutan)

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Test of Homogeneity of Variances** | | | | |
|  | Levene Statistic | df1 | df2 | Sig. |
| Menit\_60 | 1.978 | 4 | 20 | .137 |
| Menit\_120 | .655 | 4 | 20 | .630 |
| Menit\_180 | 1.037 | 4 | 20 | .413 |
| Menit\_240 | 2.190 | 4 | 20 | .107 |
| Menit\_300 | 2.695 | 4 | 20 | .060 |
| Menit\_360 | 7.616 | 4 | 20 | .001 |

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **ANOVA** | | | | | | |
|  | | Sum of Squares | Df | Mean Square | F | Sig. |
| Menit\_60 | Between Groups | 327.081 | 4 | 81.770 | 9.627 | .000 |
| Within Groups | 169.869 | 20 | 8.493 |  |  |
| Total | 496.950 | 24 |  |  |  |
| Menit\_120 | Between Groups | 1253.028 | 4 | 313.257 | 33.704 | .000 |
| Within Groups | 185.886 | 20 | 9.294 |  |  |
| Total | 1438.914 | 24 |  |  |  |
| Menit\_180 | Between Groups | 1206.042 | 4 | 301.510 | 23.875 | .000 |
| Within Groups | 252.571 | 20 | 12.629 |  |  |
| Total | 1458.613 | 24 |  |  |  |
| Menit\_240 | Between Groups | 2036.928 | 4 | 509.232 | 16.592 | .000 |
| Within Groups | 613.811 | 20 | 30.691 |  |  |
| Total | 2650.739 | 24 |  |  |  |
| Menit\_300 | Between Groups | 7877.096 | 4 | 1969.274 | 58.007 | .000 |
| Within Groups | 678.983 | 20 | 33.949 |  |  |
| Total | 8556.079 | 24 |  |  |  |
| Menit\_360 | Between Groups | 16680.025 | 4 | 4170.006 | 112.594 | .000 |
| Within Groups | 740.715 | 20 | 37.036 |  |  |
| Total | 17420.740 | 24 |  |  |  |

**Lanjutan 13.** (Lanjutan**)**

**Homogeneous Subsets**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Menit\_60** | | | | |
| Tukey HSDa | | | | |
| Kelompok | N | Subset for alpha = 0.05 | | |
| 1 | 2 | 3 |
| Na Diklofenak | 5 | 6.4800 |  |  |
| EEKJM 300 mg/kg bb | 5 | 9.4740 | 9.4740 |  |
| EEKJM 200 mg/kg bb | 5 | 11.6400 | 11.6400 | 11.6400 |
| EEKJM 100 mg/kg bb | 5 |  | 13.9900 | 13.9900 |
| CMC Na | 5 |  |  | 16.6800 |
| Sig. |  | .053 | .143 | .084 |
| Means for groups in homogeneous subsets are displayed. | | | | |
| a. Uses Harmonic Mean Sample Size = 5.000. | | | | |

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Menit\_120** | | | | | |
| Tukey HSDa | | | | | |
| Kelompok | N | Subset for alpha = 0.05 | | | |
| 1 | 2 | 3 | 4 |
| Na Diklofenak | 5 | 17.4700 |  |  |  |
| EEKJM 300 mg/kg bb | 5 | 19.6380 | 19.6380 |  |  |
| EEKJM 200 mg/kg bb | 5 |  | 22.6260 | 22.6260 |  |
| EEKJM 100 mg/kg bb | 5 |  |  | 26.0680 |  |
| CMC Na | 5 |  |  |  | 36.5340 |
| Sig. |  | .290 | .547 | .409 | 1.000 |
| Means for groups in homogeneous subsets are displayed. | | | | | |
| a. Uses Harmonic Mean Sample Size = 5.000. | | | | | |

**Lanjutan 13.** (Lanjutan)

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Menit\_180** | | | | |
| Tukey HSDa | | | | |
| Kelompok | N | Subset for alpha = 0.05 | | |
| 1 | 2 | 3 |
| Na Diklofenak | 5 | 26.6180 |  |  |
| EEKJM 300 mg/kg bb | 5 | 28.0160 |  |  |
| EEKJM 200 mg/kg bb | 5 |  | 35.4620 |  |
| EEKJM 100 mg/kg bb | 5 |  | 37.5120 |  |
| CMC Na | 5 |  |  | 44.3200 |
| Sig. |  | .624 | .889 | 1.000 |
| Means for groups in homogeneous subsets are displayed. | | | | |
| a. Uses Harmonic Mean Sample Size = 5.000. | | | | |

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Menit\_240** | | | | |
| Tukey HSDa | | | | |
| Kelompok | N | Subset for alpha = 0.05 | | |
| 1 | 2 | 3 |
| Na Diklofenak | 5 | 37.6320 |  |  |
| EEKJM 300 mg/kg bb | 5 | 39.1020 |  |  |
| EEKJM 200 mg/kg bb | 5 | 44.7780 | 44.7780 |  |
| EEKJM 100 mg/kg bb | 5 |  | 50.3300 |  |
| CMC Na | 5 |  |  | 61.7320 |
| Sig. |  | .156 | .522 | 1.000 |
| Means for groups in homogeneous subsets are displayed. | | | | |
| a. Uses Harmonic Mean Sample Size = 5.000. | | | | |

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Menit\_300** | | | | | |
| Tukey HSDa | | | | | |
| Kelompok | N | Subset for alpha = 0.05 | | | |
| 1 | 2 | 3 | 4 |
| Na Diklofenak | 5 | 20.1900 |  |  |  |
| EEKJM 300 mg/kg bb | 5 | 26.9680 | 26.9680 |  |  |
| EEKJM 200 mg/kg bb | 5 |  | 32.8040 | 32.8040 |  |
| EEKJM 100 mg/kg bb | 5 |  |  | 42.8560 |  |
| CMC Na | 5 |  |  |  | 70.8780 |
| Sig. |  | .351 | .522 | .085 | 1.000 |
| Means for groups in homogeneous subsets are displayed. | | | | | |
| a. Uses Harmonic Mean Sample Size = 5.000. | | | | | |

**Lampiran 13.** (Lanjutan)

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Menit\_360** | | | | | |
| Tukey HSDa | | | | | |
| Kelompok | N | Subset for alpha = 0.05 | | | |
| 1 | 2 | 3 | 4 |
| Na Diklofenak | 5 | 9.7940 |  |  |  |
| EEKJM 300 mg/kg bb | 5 | 14.1100 | 14.1100 |  |  |
| EEKJM 200 mg/kg bb | 5 |  | 24.1900 | 24.1900 |  |
| EEKJM 100 mg/kg bb | 5 |  |  | 34.9240 |  |
| CMC Na | 5 |  |  |  | 81.7440 |
| Sig. |  | .837 | .104 | .075 | 1.000 |
| Means for groups in homogeneous subsets are displayed. | | | | | |
| a. Uses Harmonic Mean Sample Size = 5.000. | | | | | |

**Lampiran 14**. Hasil Uji Normalitas Inhibisi

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| **Tests of Normality** | | | | | | | |
|  | Kelompok | Kolmogorov-Smirnova | | | Shapiro-Wilk | | |
|  | Statistic | df | Sig. | Statistic | df | Sig. |
| Menit\_60 | CMC Na | .199 | 5 | .200\* | .977 | 5 | .915 |
| Na Diklofenak | .160 | 5 | .200\* | .985 | 5 | .960 |
| EEKJM 100 mg/kg bb | .219 | 5 | .200\* | .930 | 5 | .594 |
| EEKJM 200 mg/kg bb | .308 | 5 | .136 | .886 | 5 | .336 |
| EEKJM 300 mg/kg bb | .246 | 5 | .200\* | .900 | 5 | .408 |
| Menit\_120 | CMC Na | .172 | 5 | .200\* | .967 | 5 | .856 |
| Na Diklofenak | .208 | 5 | .200\* | .939 | 5 | .658 |
| EEKJM 100 mg/kg bb | .203 | 5 | .200\* | .947 | 5 | .714 |
| EEKJM 200 mg/kg bb | .154 | 5 | .200\* | .979 | 5 | .931 |
| EEKJM 300 mg/kg bb | .185 | 5 | .200\* | .921 | 5 | .537 |
| Menit\_180 | CMC Na | .217 | 5 | .200\* | .919 | 5 | .521 |
| Na Diklofenak | .216 | 5 | .200\* | .926 | 5 | .572 |
| EEKJM 100 mg/kg bb | .165 | 5 | .200\* | .987 | 5 | .968 |
| EEKJM 200 mg/kg bb | .260 | 5 | .200\* | .917 | 5 | .512 |
| EEKJM 300 mg/kg bb | .262 | 5 | .200\* | .929 | 5 | .590 |
| Menit\_240 | CMC Na | .287 | 5 | .200\* | .865 | 5 | .248 |
| Na Diklofenak | .262 | 5 | .200\* | .893 | 5 | .373 |
| EEKJM 100 mg/kg bb | .253 | 5 | .200\* | .922 | 5 | .543 |
| EEKJM 200 mg/kg bb | .225 | 5 | .200\* | .909 | 5 | .460 |
| EEKJM 300 mg/kg bb | .247 | 5 | .200\* | .947 | 5 | .715 |
| Menit\_300 | CMC Na | .293 | 5 | .186 | .860 | 5 | .228 |
| Na Diklofenak | .162 | 5 | .200\* | .956 | 5 | .778 |
| EEKJM 100 mg/kg bb | .221 | 5 | .200\* | .880 | 5 | .310 |
| EEKJM 200 mg/kg bb | .166 | 5 | .200\* | .986 | 5 | .962 |
| EEKJM 300 mg/kg bb | .173 | 5 | .200\* | .975 | 5 | .903 |
| Menit\_360 | CMC Na | .273 | 5 | .200\* | .838 | 5 | .161 |
| Na Diklofenak | .156 | 5 | .200\* | .978 | 5 | .926 |
| EEKJM 100 mg/kg bb | .235 | 5 | .200\* | .929 | 5 | .593 |
| EEKJM 200 mg/kg bb | .175 | 5 | .200\* | .978 | 5 | .923 |
| EEKJM 300 mg/kg bb | .222 | 5 | .200\* | .946 | 5 | .709 |
| \*. This is a lower bound of the true significance. | | | | | | | |
| 1. Lilliefors Significance Correction | | | | | | | |

**Lanjutan 14**. (Lanjutan)

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Test of Homogeneity of Variances** | | | | |
|  | Levene Statistic | df1 | df2 | Sig. |
| Menit\_60 | .853 | 3 | 16 | .485 |
| Menit\_120 | 4.037 | 3 | 16 | .026 |
| Menit\_180 | .265 | 3 | 16 | .850 |
| Menit\_240 | .394 | 3 | 16 | .759 |
| Menit\_300 | .696 | 3 | 16 | .568 |
| Menit\_360 | 1.451 | 3 | 16 | .265 |

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **ANOVA** | | | | | | |
|  | | Sum of Squares | df | Mean Square | F | Sig. |
| Menit\_60 | Between Groups | 3763.365 | 3 | 1254.455 | 4.844 | .014 |
| Within Groups | 4143.467 | 16 | 258.967 |  |  |
| Total | 7906.832 | 19 |  |  |  |
| Menit\_120 | Between Groups | 2241.847 | 3 | 747.282 | 7.626 | .002 |
| Within Groups | 1567.881 | 16 | 97.993 |  |  |
| Total | 3809.728 | 19 |  |  |  |
| Menit\_180 | Between Groups | 2762.991 | 3 | 920.997 | 10.974 | .000 |
| Within Groups | 1342.815 | 16 | 83.926 |  |  |
| Total | 4105.806 | 19 |  |  |  |
| Menit\_240 | Between Groups | 1367.268 | 3 | 455.756 | 2.539 | .093 |
| Within Groups | 2871.904 | 16 | 179.494 |  |  |
| Total | 4239.171 | 19 |  |  |  |
| Menit\_300 | Between Groups | 2906.848 | 3 | 968.949 | 10.896 | .000 |
| Within Groups | 1422.824 | 16 | 88.927 |  |  |
| Total | 4329.673 | 19 |  |  |  |
| Menit\_360 | Between Groups | 2797.775 | 3 | 932.592 | 26.155 | .000 |
| Within Groups | 570.503 | 16 | 35.656 |  |  |
| Total | 3368.278 | 19 |  |  |  |

**Lampiran 14. (**Lanjutan)

**Homogeneous Subsets**

|  |  |  |  |
| --- | --- | --- | --- |
| **Menit\_60** | | | |
| Tukey HSDa | | | |
| Kelompok | N | Subset for alpha = 0.05 | |
| 1 | 2 |
| EEKJM 100 mg/kg bb | 5 | 16.1270 |  |
| EEKJM 200 mg/kg bb | 5 | 30.2158 |  |
| EEKJM 300 mg/kg bb | 5 | 43.2254 | 43.2254 |
| Na Diklofenak | 5 |  | 61.1510 |
| Sig. |  | .548 | .206 |
| Means for groups in homogeneous subsets are displayed. | | | |
| a. Uses Harmonic Mean Sample Size = 5.000. | | | |

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Menit\_120** | | | | |
| Tukey HSDa | | | | |
| Kelompok | N | Subset for alpha = 0.05 | | |
| 1 | 2 | 3 |
| EEKJM 100 mg/kg bb | 5 | 28.6613 |  |  |
| EEKJM 200 mg/kg bb | 5 | 38.0782 | 38.0782 |  |
| EEKJM 300 mg/kg bb | 5 |  | 46.2633 | 46.2633 |
| Na Diklofenak | 5 |  |  | 52.1762 |
| Sig. |  | .471 | .516 | .361 |
| Means for groups in homogeneous subsets are displayed. | | | | |
| a. Uses Harmonic Mean Sample Size = 5.000. | | | | |

|  |  |  |  |
| --- | --- | --- | --- |
| **Menit\_180** | | | |
| Tukey HSDa | | | |
| Kelompok | N | Subset for alpha = 0.05 | |
| 1 | 2 |
| EEKJM 100 mg/kg bb | 5 | 15.3655 |  |
| EEKJM 200 mg/kg bb | 5 | 19.9909 |  |
| EEKJM 300 mg/kg bb | 5 |  | 36.8005 |
| Na Diklofenak | 5 |  | 39.9593 |
| Sig. |  | .857 | .655 |
| Means for groups in homogeneous subsets are displayed. | | | |
| a. Uses Harmonic Mean Sample Size = 5.000. | | | |

**Lampiran 14**. (Lanjutan)

|  |  |  |
| --- | --- | --- |
| **Menit\_240** | | |
| Tukey HSDa | | |
| Kelompok | N | Subset for alpha = 0.05 |
| 1 |
| EEKJM 100 mg/kg bb | 5 | 18.4675 |
| EEKJM 200 mg/kg bb | 5 | 27.4744 |
| EEKJM 300 mg/kg bb | 5 | 36.6596 |
| Na Diklofenak | 5 | 39.0409 |
| Sig. |  | .091 |
| Means for groups in homogeneous subsets are displayed. | | |
| a. Uses Harmonic Mean Sample Size = 5.000. | | |

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Menit\_300** | | | | |
| Tukey HSDa | | | | |
| Kelompok | N | Subset for alpha = 0.05 | | |
| 1 | 2 | 3 |
| EEKJM 100 mg/kg bb | 5 | 39.5371 |  |  |
| EEKJM 200 mg/kg bb | 5 | 53.7180 | 53.7180 |  |
| EEKJM 300 mg/kg bb | 5 |  | 61.9585 | 61.9585 |
| Na Diklofenak | 5 |  |  | 71.5112 |
| Sig. |  | .132 | .521 | .305 |
| Means for groups in homogeneous subsets are displayed. | | | | |
| a. Uses Harmonic Mean Sample Size = 5.000. | | | | |

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Menit\_360** | | | | |
| Tukey HSDa | | | | |
| Kelompok | N | Subset for alpha = 0.05 | | |
| 1 | 2 | 3 |
| EEKJM 100 mg/kg bb | 5 | 57.2791 |  |  |
| EEKJM 200 mg/kg bb | 5 |  | 70.4061 |  |
| EEKJM 300 mg/kg bb | 5 |  |  | 82.7379 |
| Na Diklofenak | 5 |  |  | 88.0229 |
| Sig. |  | 1.000 | 1.000 | .605 |
| Means for groups in homogeneous subsets are displayed. | | | | |
| a. Uses Harmonic Mean Sample Size = 5.000. | | | | |