

Lampiran 1. Kode Etik Hewan



KEMENTERIAN RISET, TEKNOLOGI DAN PENDIDIKAN TINGGI
UNIVERSITAS PADJADJARAN
KOMISI ETIK PENELITIAN
RESEARCH ETHICS COMMITTEE

Jl. Prof. Eyckman No. 38 Bandung 40161
Telp. & Fax: 022-2038997 email: kepkf@unpad.ac.id, website : kepkf.unpad.ac.id

No. Reg.: 0219020216

PERSETUJUAN ETIK
ETHICAL APPROVAL

Nomor: 383 JUN6/KEPIC/2019

Komisi Etik Penelitian Universitas Padjadjaran Bandung, telah mengkaji dengan teliti proposal penelitian yang menggunakan subjek Hewan Coba dalam penelitian yang berjudul:

The Research Ethics Committee Universitas Padjadjaran Bandung, has been thoroughly reviewed proposal for reaserch with animal subjects in penelitian entitled:

"UJI AKTIVITAS ANTIDIARE EKSTRAK KULIT BUAH PISANG RAJA (MUSA X PARADISIACA L. AAB GROUP) DAN PENGEMBANGAN BENTUK SEDIAAN"

Nama Peneliti Utama Principal Researcher	:	Ina Rustinawati
Pembimbing/Peneliti Lain Supervisor/Other Researcher	:	Prof. I Ketut Adnyana, M.Si., Ph.D., Apt. Dr. Patonah, M.Si., Apt.
Nama Institusi Institution	:	Program Sarjana Program Studi Farmasi Sekolah Tinggi Farmasi Bandung

proposal tersebut dapat disetujui pelaksanaannya.
hereby declare that the proposal is approved.

Ditetapkan di : Bandung
Issued in
Tanggal : 28-03-2019
Date



Dr. Meita Dhamayanti, dr., SpAK, M.Kes
NIP. 19630519 198712 2 001

Keterangan/notes:

Persetujuan etik ini berlaku selama satu tahun sejak tanggal ditetapkan.

This ethical clearance is effective for one year from the due date.

Pada akhir penelitian, laporan pelaksanaan penelitian harus diserahkan ke Komisi Etik Penelitian.

In the end of the research, progress and final summary report should be submitted to the Research Ethics Committee.

Jika ada perubahan atau penyimpangan protokol dan/atau perpanjangan penelitian, harus mengajukan kembali permohonan kajian etik penelitian.

If there be any protocol modification or deviation and/or extension of the study, the Principal Investigator is required to resubmit the protocol for approval.

Jika ada kejadian serius yang tidak diinginkan (KTD) harus segera dilaporkan ke Komisi Etik Penelitian

If there are Serious Adverse Events (SAE) should be immediately reported to the Research Ethics Committee

Lampiran 2. Hasil Determinasi



INSTITUT TEKNOLOGI BANDUNG

SEKOLAH ILMU DAN TEKNOLOGI HAYATI

Jalan Ganesha 10 Bandung 40132, Telp: (022) 251 1575, 250 0258, Fax (022) 253 4107

e-mail : sith@itb.ac.id http://www.sith.itb.ac.id

Nomor : 131/I1.CO2.2/PL/2019.
Hal : Determinasi tumbuhan

10 Januari 2019

Kepada Yth.
Ketua
Sekolah Tinggi Farmasi Bandung
Jalan Soekarno Hatta no. 754
Bandung

Memperhatikan surat permintaan Saudara dalam surat No. 1330/WKI-S1/XI/2018 tanggal 5 November 2018 mengenai determinasi tumbuhan, dengan ini kami sampaikan bahwa setelah dilakukan determinasi oleh staf kami, sampel tumbuhan yang dibawa oleh Sdr. Ina Rustinawati (NPM: 13171061), adalah :

- | | | |
|----------------------|---|---|
| Divisi | : | Magnoliophyta |
| Kelas | : | Liliopsida (Monocots) |
| Anak kelas | : | Zingiberidae |
| Bangsa | : | Zingiberales |
| Nama suku / familia | : | Musaceae |
| Nama jenis / species | : | <i>Musa acuminata</i> × <i>balbisiana</i> Colla (AAB Group) 'Pisang Raja' |
| Sinonim | : | <i>Musa</i> × <i>paradisiaca</i> L. (AAB Group) 'Pisang Raja' |
| Nama umum | : | Pisang raja (Indonesia) |
| Buku acuan | : | 1. Backer, C.A. & Bakhuizen van den Brink, Jr., R.C. 1968. Flora of Java. Volume III. Wolters - Noordhoff N.V. Groningen, the Netherlands. pp. 33.
2. Lim, T.K. 2012. Edible Medicinal And Non Medicinal Plants: Volume 3, Fruits. Springer Science + Business Media, Berlin, Jerman. pp. 551.
3. Retnoningsih, A., Megia, R. & Hartana, A. 2010. Molecular Verification and Diversity Analysis of Indonesian BB, AAB and ABB Banana Cultivars. Tree and Forestry Science and Biotechnology (Special Issue 1): 69 – 76.
4. Cronquist, A. 1981. An Integrated System of Classification of Flowering Plants, Columbia Press, New York. pp. Xiii – Xviii. |

Demikian yang kami sampaikan. Atas perhatian dan kerjasama yang diberikan, kami ucapkan terima kasih.



Dekan Bidang Sumber Daya,

Tembusan:
Dekan SITH ITB, sebagai laporan.

Irigati
020507198832001

Lampiran 3. Gambar Pisang Raja



Tanaman Pisang Raja



Buah Pisang Raja

Lampiran 4. Hasil Perhitungan Pemeriksaan Karakterisasi

4.1 Perhitungan Penetapan Kadar Sari Larut dalam Air

Bobot sebelum penguapan = 90,05 gram

Berat sesudah penguapan = 89,76 gram

Berat Sampel = 5 gram

$$\text{Kadar sari} = \frac{90,05 \text{ gram} - 89,76 \text{ gram}}{5 \text{ gram}} \times 100\% = 5,8\%$$

4.2 Perhitungan Penetapan Kadar Sari Larut dalam Etanol

Berat sebelum penguapan = 60,98 gram

Berat setelah penguapan = 59,71 gram

Berat sampel = 5 gram

$$\text{Kadar sari} = \frac{60,98 \text{ gram} - 59,7 \text{ gram}}{5 \text{ gram}} \times 100\% = 25,4\%$$

4.3 Perhitungan Penetapan Kadar Abu total

Berat sebelum dipijar = 39,56 gram

Berat setelah dipijar = 39,45gram

Berat sampel = 2 gram

$$\text{Kadar abu} = \frac{39,56 \text{ gram} - 39,45 \text{ gram}}{2 \text{ gram}} \times 100\% = 11\%$$

4.4 Perhitungan Penetapan Kadar Abu Tidak Larut dalam Asam

Berat sebelum dipijar = 39,45 gram

Berat setelah dipijar = 39,41 gram

Berat sampel = 2 gram

Kadar tidak larut asam

$$= \frac{39,45 \text{ gram} - 39,41 \text{ gram}}{2 \text{ gram}} \times 100\% = 2\%$$

Lampiran 5. Pembuatan ekstrak Kulit Buah Pisang Raja

simplicia kulit buah pisang
raja yang akan dimaserasi



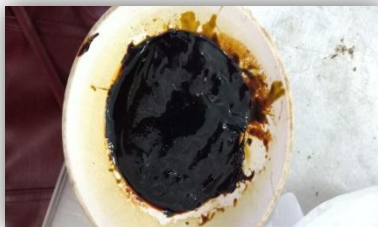
Maesrasi dengan pelarut
etanol 70%



Hasil maserat



Mengevaporasi



Hasil maserat

5.1 Perhitungan rendemen ekstrak

Berat Sampel = 650 gram

Berat Ekstrak = 47,74 gram

Rendemen
$$\frac{= 47,74 \text{ gram}}{650 \text{ gram}} \times 100\% = 7,34\%$$

Lampiran 6. Hasil Skrining Fitokimia**(+) Alkaloid****(+) Flavonoid****(-) Saponin****(+) Kuinon**



Triterpenoid



Tanin Katekin

Lampiran 7. Perhitungan Fenol Total

7.1 Pembuatan Larutan

- Folin: 1000 mikron folin + 10 mL aquabidest
- Na Karbonat 1 M: 5,3 gr Na. Karbonat + 50 mL aquabidest
- Ekstrak:

50 mg ekstrak kulit buah pisang raja (vial) + dilarutkan Metanol pa secukupnya → dimasukkan kedalam labu 50 mL (vial dibilas menggunakan metanol pa hingga bersih) add 50 mL Metanol pa.



Pipet 0,5 mL (vial) + lar.Folin 5 mL → Diamkan 5' + Na.Karbonat 4 mL → inkunasi 15'.

Kurva kalibrasi Asam Galat 30ppm-80ppm

Tabel 7.1 Baku Standar (Asam Galat)

Konsentrasi (ppm)	Absorbansi
30	0,349
40	0,439
50	0,547
60	0,629
70	0,731
80	0,821

$$A = 0,0646$$

$$y = bx + a$$

$$B = 0,00948$$

$$y = 0,00948x + 0,0646$$

$$R = 0,9996$$

7.2 Pengukuran spektrofotometri UV Ekstrak Kulit Buah Pisang

Raja

$$\text{Abs1} = 0,519$$

$$\text{Abs2} = 0,449$$

$$\text{Abs3} = 0,515$$

Absorbansi1

$$y = 0,00948x + 0,0646$$

$$0,519 = 0,00948x + 0,0646$$

$$x = \frac{0,519 - 0,0646}{0,00948} = 47,93$$

$$\text{Botol} = x \cdot \text{vol. awal}$$

$$= 47,93 \cdot 50 \text{ mL} = 2.396,5 \text{ mikrogram} = 2,3965 \text{ mg}$$

$$\begin{aligned} \% \text{kadar} &= \frac{\text{mg}}{\text{Eks.yg ditimbang}} \times 100\% \\ &= \frac{2,3965 \text{ mg}}{50 \text{ mg}} \times 100\% = 4,79\% \end{aligned}$$

Absorbansi2

$$y = 0,00948x + 0,0646$$

$$0,519 = 0,00948x + 0,0646$$

$$x = \frac{0,449 - 0,0646}{0,00948} = 470,55$$

$$\begin{aligned}
 \text{Botot} &= x \cdot \text{vol. awal} \\
 &= 40,55 \cdot 50 \text{ mL} = 2.027,5 \text{ mikrogram} = 2,0275 \text{ mg} \\
 \% \text{kadar} &= \frac{\text{mg}}{\text{Eks.yg ditimbang}} \times 100\% \\
 &= \frac{2,0275 \text{ mg}}{50 \text{ mg}} \times 100\% = 4,055\%
 \end{aligned}$$

Absorbansi3

$$\begin{aligned}
 y &= 0,00948x + 0,0646 \\
 0,519 &= 0,00948x + 0,0646 \\
 x &= \frac{0,515 - 0,0646}{0,00948} = 47,51
 \end{aligned}$$

$$\begin{aligned}
 \text{Botot} &= x \cdot \text{vol. awal} \\
 &= 47,51 \cdot 50 \text{ mL} = 2.375,5 \text{ mikrogram} = 2,3965 \text{ mg} \\
 \% \text{kadar} &= \frac{\text{mg}}{\text{Eks.yg ditimbang}} \times 100\% \\
 &= \frac{2,3755 \text{ mg}}{50 \text{ mg}} \times 100\% = 4,53\%
 \end{aligned}$$

$$\begin{aligned}
 \% \text{kadar rata-rata} &= \frac{\% \text{kadar (abs1 + abs2 + abs3)}}{3} \\
 &= \frac{4,79\% + 4,055\% + 4,53\%}{3} = 4,53\%
 \end{aligned}$$

$$\text{Fenol Total} = 4,53\%$$

Lampiran 8. Perhitungan Pembuatan Suspensi

8.1 CMC Na 0,5%

500 mg CMC Na + 10 aq panas (aduk homogen)



Add aquadest panas 100 mL

8.2 Perhitungan Kadar Obat Pembanding

Loperamid (Imodium)

Tiap tabelt Imodium® mengandung 2 mg Loperamid HCL

Dosis dewasa 4 mg, dosis dewasa dari data konversi 70 kg.

Dosis untuk mencit 20 gram, maka $4 \text{ mg} \times 0,0026 = 0,0104/20 \text{ gr}$ mencit.

Bobot tablet = 100 mg

Pembuatan suspensi Loperamid :

$$\frac{0,0104 \text{ mg}}{2 \text{ mg}} \times 100 \text{ mg} = 0,52 \text{ mg}/20 \text{ g mencit}$$

0,52 mg/20 g mencit



0,52mg/0,5 mL CMC Na 0,5%



50,55 mg/48,5 mL CMC Na 0,5% → 97 ekor mencit

Kaolin Pectin (Neo Kaolana)

Suspensi Neo Kaolana® mengandung 15 mL Kaolin 700 mg dan Pectin 66mg.

Dosis dewasa 30 mL, dosis dewasa dari data konversi 70 kg.

Dosis untuk mencit 20 gram, maka $30 \text{ mL} \times 0,0026 = 0,078 \text{ mL}/20\text{gr}$ mencit.

Pembuatan suspensi kaolin pectin :

0,078mL/20 gr mencit
 ↓
 0,078mL/0,5 mL CMC Na 0,5%
 ↓
 0,78 mL/5 mL suspensi CMC Na 0,5%

8.3 Perhitungan Ekstrak Dosis

Ekstrak dosis 50 mg/kgBB

50 mg/1000 gram
 ↓
 1 mg/20gram mencit
 ↓
 1 mg/0,5 mL Lar.CMC Na 0,5%
 ↓
 50 mg/25 mL Lar.CMC Na 0,5% 50 ekor mencit

Ekstrak dosis 100 mg/kgBB

100 mg/1000 gram
 ↓
 2 mg/20gram mencit
 ↓
 2 mg/0,5 mL Lar.CMC Na 0,5%
 ↓
 50 mg/25 mL Lar.CMC Na 0,5% → 25 ekor mencit

Ekstrak dosis 200 mg/kgBB

200 mg/1000 gram
 ↓
 4 mg/20gram mencit
 ↓
 4 mg/0,5 mL Lar.CMC Na 0,5%
 ↓
 52 mg/25 mL Lar.CMC Na 0,5% → 13 ekor mencit

Lampiran 9. Gambar Mencit

Mencit saat diadaptasikan



Konsistensi feses keras berwarna coklat



Konsistensi feses normal-lembek berwarna coklat



Konsistensi feses cair berwarna coklat

Lampiran 10. Gambar Rasio Panjang Usus yang Dilalui Marker

Diberi CMC Na 0,5%



Diberi Loperamid



Diberi Kaolin Pectin



Diberi Ekstrak dosis 50 mg/kg



Diberi ekstrak dosis 100 mg/kg



Diberi ekstrak dosis 200 mg/kg

Lampiran 11. Pembuatan Sediaan Teh Herbal

Bunga Melati



Simplisia Bunga Melati



Sediaan Teh Herbal Kulit Buah Pisang Raja

11.1 Perhitungan Pembuatan Sediaan Teh Herbal

$$\begin{array}{l}
 100 \text{ mg ekstrak/kg} \\
 \downarrow \\
 2 \text{ mg ekstrak/20 gr mencit} \\
 \downarrow \quad \text{Dikali 387,9 dosis manusia} \\
 775,8 \text{ mg ekstrak/70 gr manusia} \\
 \downarrow \quad \text{Dibagi 3 kali minum} \\
 258,6 \text{ mg ekstrak/1 kali minum} \\
 \downarrow \\
 \begin{array}{r}
 0,2586 \text{ g} \\
 \hline
 47,74 \text{ g}
 \end{array}
 \quad \times 650 \text{ g} = 3,51 \text{ g} = 3 \text{ g simplisia}
 \end{array}$$

Lampiran 12. Hasil Pengujian Metode Proteksi Oleum Ricini

Tabel 12.1 Frekuensi Diare

Perlakuan	Jumlah Frekuensi Diare					Jumlah	Rata-rata $\pm$ SD
	1	2	3	4	5		
CMC Na0,5%	20	16	23	17	22	98	19,6 $\pm$ 3,05
Loperamid 4 mg/kg	10	7	8	6	9	40	8 $\pm$ 1,158
Kaolin Pectin 30 mL/kg	11	12	9	13	9	54	10,8 $\pm$ 1,789
Ekstrak 50 mg/kg	19	18	23	15	17	92	18,4 $\pm$ 2,966
Ekstrak 100 mg/kg	15	10	11	9	9	54	10,8 $\pm$ 2,49
Ekstrak 200 mg/kg	13	9	7	8	8	45	9 $\pm$ 2,345

Tabel 12.2 Konsistensi Feses

Perlakuan	Jumlah Konsistensi Diare					Jumlah	Rata-rata $\pm$ SD
	1	2	3	4	5		
CMC Na 0,5%	2,5	2,4	2,5	2,6	2,8	12,8	2,56 $\pm$ 0,152
Loperamid 4 mg/kg	2,25	1,8	2	2	2,17	10,22	2,044 $\pm$ 0,174
Kaolin Pectin 30 mL/kg	1,3	1,43	1,67	1,8	1,8	8	1,6 $\pm$ 0,226
Ekstrak 50 mg/kg	2,3	2,63	2,63	2,1	2,3	11,96	2,392 $\pm$ 0,232
Ekstrak 100 mg/kg	2	1,75	2,17	2	2,2	10,12	2,024 $\pm$ 0,179
Ekstrak 200 mg/kg	1,29	1,57	2	1,7	1,9	8,46	1,692 $\pm$ 0,28

Tabel 12.3 Bobot Feses

Perlakuan	Jumlah Konsistensi Diare					Jumlah	Rata-rata $\pm$ SD
	1	2	3	4	5		
CMC Na 0,5%	1,23	0,87	1,39	0,91	1,32	5,72	1,144 $\pm$ 0,239
Loperamid 4 mg/kg	0,5	0,22	0,39	0,19	0,42	1,72	0,344 $\pm$ 0,134
Kaolin Pectin 30 mL/kg	0,49	0,53	0,33	0,65	0,37	2,37	0,474 $\pm$ 0,128
Ekstrak 50 mg/kgBB	0,89	0,77	1,2	0,55	0,75	4,16	0,832 $\pm$ 0,239
Ekstrak 100 mg/kgBB	0,83	0,53	0,67	0,48	0,47	2,98	0,596 $\pm$ 0,153
Ekstrak 200 mg/kgBB	0,74	0,23	0,3	0,73	0,21	2,21	0,442 $\pm$ 0,27

Lampiran 13. Hasil Pengujian Metode Transit Intestinal

Tabel 13. 1 Rasio Panjang Usus

Perlakuan	Rasio Panjang Usus (%)					Jumlah	Rata – rata $\pm$ SD
	1	2	3	4	5		
CMC Na 0,5%	100	100	94,74	94,55	96,94	486,23	97,246 $\pm$ 2,684
Loperamid 4 mg/kg	24,47	24,74	26,55	23,66	23,53	122,95	24,59 $\pm$ 1,211
Kaolin Pectin 30 mL/kg	29,4	30,68	34	36,17	37,78	168,03	33,606 $\pm$ 3,55
Ekstrak 50 mg/kg	85,15	83,75	82,5	79,81	84,38	415,59	83,118 $\pm$ 2,088
Ekstrak 100 mg/kg	50,53	50,86	49,15	54,55	50,96	256,05	51,21 $\pm$ 2,003
Ekstrak 200 mg/kg	25,61	24,53	28,75	26,36	24,44	129,69	25,938 $\pm$ 1,762

Lampiran 14. Hasil SPSS Metode Proteksi Oleum Ricini

Test of Homogeneity of Variances

	Levene Statistic	df1	df2	Sig.
Frekuensi	,583	5	24	,713
Konsistensi	,742	5	24	,600
Bobot	2,150	5	24	,094

ANOVA

		Sum of Squares	df	Mean Square	F	Sig.
Frekuensi	Between Groups	615,367	5	123,073	20,801	,000
	Within Groups	142,000	24	5,917		
	Total	757,367	29			
Konsistensi	Between Groups	3,542	5	,708	15,798	,000
	Within Groups	1,076	24	,045		
	Total	4,618	29			
Bobot	Between Groups	2,236	5	,447	10,958	,000
	Within Groups	,979	24	,041		
	Total	3,215	29			

Post Hoc Tests

Multiple Comparisons

LSD

Dependent Variable	(I) kelompok	(J) kelompok	Mean Difference (I-J)	Std. Error	Sig.	95% Confidence Interval	
						Lower Bound	Upper Bound
Frekuensi	CMC Na 0,5%	Loperamid	11,60000*	1,53840	,000	8,4249	14,7751
		Kaolin Pectin	8,80000*	1,53840	,000	5,6249	11,9751
		Ekstrak 50mg/kgBB	1,20000	1,53840	,443	-1,9751	4,3751
		Ekstrak 100mg/kgBB	8,80000*	1,53840	,000	5,6249	11,9751
		Ekstrak 200mg/kgBB	10,60000*	1,53840	,000	7,4249	13,7751
	Loperamid	CMC Na 0,5%	-11,60000*	1,53840	,000	-14,7751	-8,4249
		Kaolin Pectin	-2,80000	1,53840	,081	-5,9751	,3751
		Ekstrak 50mg/kgBB	-10,40000*	1,53840	,000	-13,5751	-7,2249
		Ekstrak 100mg/kgBB	-2,80000	1,53840	,081	-5,9751	,3751
		Ekstrak 200mg/kgBB	-1,00000	1,53840	,522	-4,1751	2,1751
	Kaolin Pectin	CMC Na 0,5%	-8,80000*	1,53840	,000	-11,9751	-5,6249
		Loperamid	2,80000	1,53840	,081	-,3751	5,9751
		Ekstrak 50mg/kgBB	-7,60000*	1,53840	,000	-10,7751	-4,4249
		Ekstrak 100mg/kgBB	,00000	1,53840	1,000	-3,1751	3,1751
		Ekstrak 200mg/kgBB	1,80000	1,53840	,253	-1,3751	4,9751
	Ekstrak 50mg/kgBB	CMC Na 0,5%	-1,20000	1,53840	,443	-4,3751	1,9751
		Loperamid	10,40000*	1,53840	,000	7,2249	13,5751
		Kaolin Pectin	7,60000*	1,53840	,000	4,4249	10,7751
		Ekstrak 100mg/kgBB	7,60000*	1,53840	,000	4,4249	10,7751
		Ekstrak 200mg/kgBB	9,40000*	1,53840	,000	6,2249	12,5751

	Ekstrak 100mg/kgBB	CMC Na 0,5%	-8,80000 [*]	1,53840	,000	-11,9751	-5,6249
		Loperamid	2,80000	1,53840	,081	-,3751	5,9751
		Kaolin Pectin	,00000	1,53840	1,000	-3,1751	3,1751
		Ekstrak 50mg/kgBB	-7,60000 [*]	1,53840	,000	-10,7751	-4,4249
		Ekstrak 200mg/kgBB	1,80000	1,53840	,253	-1,3751	4,9751
	Ekstrak 200mg/kgBB	CMC Na 0,5%	-10,60000 [*]	1,53840	,000	-13,7751	-7,4249
		Loperamid	1,00000	1,53840	,522	-2,1751	4,1751
		Kaolin Pectin	-1,80000	1,53840	,253	-4,9751	1,3751
		Ekstrak 50mg/kgBB	-9,40000 [*]	1,53840	,000	-12,5751	-6,2249
		Ekstrak 100mg/kgBB	-1,80000	1,53840	,253	-4,9751	1,3751
	Konsistensi	CMC Na 0,5%					
		Loperamid	,51600 [*]	,13393	,001	,2396	,7924
		Kaolin Pectin	,96000 [*]	,13393	,000	,6836	1,2364
		Ekstrak 50mg/kgBB	,16800	,13393	,222	-,1084	,4444
		Ekstrak 100mg/kgBB	,53600 [*]	,13393	,001	,2596	,8124
		Ekstrak 200mg/kgBB	,86800 [*]	,13393	,000	,5916	1,1444
	Loperamid	CMC Na 0,5%	-,51600 [*]	,13393	,001	-,7924	-,2396
		Kaolin Pectin	,44400 [*]	,13393	,003	,1676	,7204
		Ekstrak 50mg/kgBB	-,34800 [*]	,13393	,016	-,6244	-,0716
		Ekstrak 100mg/kgBB	,02000	,13393	,883	-,2564	,2964
		Ekstrak 200mg/kgBB	,35200 [*]	,13393	,015	,0756	,6284
	Kaolin Pectin	CMC Na 0,5%	-,96000 [*]	,13393	,000	-1,2364	-,6836
		Loperamid	-,44400 [*]	,13393	,003	-,7204	-,1676
		Ekstrak 50mg/kgBB	-,79200 [*]	,13393	,000	-1,0684	-,5156
		Ekstrak 100mg/kgBB	-,42400 [*]	,13393	,004	-,7004	-1,1476
		Ekstrak 200mg/kgBB	-,09200	,13393	,499	-,3684	,1844
	Ekstrak 50mg/kgBB	CMC Na 0,5%	-,16800	,13393	,222	-,4444	,1084
		Loperamid	,34800 [*]	,13393	,016	,0716	,6244
		Kaolin Pectin	,79200 [*]	,13393	,000	,5156	1,0684
		Ekstrak 100mg/kgBB	,36800 [*]	,13393	,011	,0916	,6444
		Ekstrak 200mg/kgBB	,70000 [*]	,13393	,000	,4236	,9764
	Ekstrak 100mg/kgBB	CMC Na 0,5%	-,53600 [*]	,13393	,001	-,8124	-,2596
		Loperamid	-,02000	,13393	,883	-,2964	,2564
		Kaolin Pectin	,42400 [*]	,13393	,004	,1476	,7004
		Ekstrak 50mg/kgBB	-,36800 [*]	,13393	,011	-,6444	-,0916
		Ekstrak 200mg/kgBB	,33200 [*]	,13393	,021	,0556	,6084
	Ekstrak 200mg/kgBB	CMC Na 0,5%	-,86800 [*]	,13393	,000	-1,1444	-,5916
		Loperamid	-,35200 [*]	,13393	,015	-,6284	-,0756
		Kaolin Pectin	,09200	,13393	,499	-,1844	,3684
		Ekstrak 50mg/kgBB	-,70000 [*]	,13393	,000	-,9764	-,4236
		Ekstrak 100mg/kgBB	-,33200 [*]	,13393	,021	-,6084	-,0556
Bobot	CMC Na 0,5%	Loperamid	,80000 [*]	,12777	,000	,5363	1,0637
		Kaolin Pectin	,67000 [*]	,12777	,000	,4063	,9337
		Ekstrak 50mg/kgBB	,31200 [*]	,12777	,022	,0483	,5757
		Ekstrak 100mg/kgBB	,54800 [*]	,12777	,000	,2843	,8117
		Ekstrak 200mg/kgBB	,70200 [*]	,12777	,000	,4383	,9657
	Loperamid	CMC Na 0,5%	-,80000 [*]	,12777	,000	-1,0637	-,5363
		Kaolin Pectin	-,13000	,12777	,319	-,3937	,1337
		Ekstrak 50mg/kgBB	-,48800 [*]	,12777	,001	-,7517	-,2243
		Ekstrak 100mg/kgBB	-,25200	,12777	,060	-,5157	,0117
		Ekstrak 200mg/kgBB	-,09800	,12777	,451	-,3617	,1657

Kaolin Pectin	CMC Na 0,5%	-,67000*	,12777	,000	-,9337	-,4063
	Loperamid	,13000	,12777	,319	-,1337	,3937
	Ekstrak 50mg/kgBB	-,35800*	,12777	,010	-,6217	-,0943
	Ekstrak 100mg/kgBB	-,12200	,12777	,349	-,3857	,1417
	Ekstrak 200mg/kgBB	,03200	,12777	,804	-,2317	,2957
Ekstrak 50mg/kgBB	CMC Na 0,5%	-,31200*	,12777	,022	-,5757	-,0483
	Loperamid	,48800*	,12777	,001	,2243	,7517
	Kaolin Pectin	,35800*	,12777	,010	,0943	,6217
	Ekstrak 100mg/kgBB	,23600	,12777	,077	-,0277	,4997
	Ekstrak 200mg/kgBB	,39000*	,12777	,005	,1263	,6537
Ekstrak 100mg/kgBB	CMC Na 0,5%	-,54800*	,12777	,000	-,8117	-,2843
	Loperamid	,25200	,12777	,060	-,0117	,5157
	Kaolin Pectin	,12200	,12777	,349	-,1417	,3857
	Ekstrak 50mg/kgBB	-,23600	,12777	,077	-,4997	,0277
	Ekstrak 200mg/kgBB	,15400	,12777	,240	-,1097	,4177
Ekstrak 200mg/kgBB	CMC Na 0,5%	-,70200*	,12777	,000	-,9657	-,4383
	Loperamid	,09800	,12777	,451	-,1657	,3617
	Kaolin Pectin	-,03200	,12777	,804	-,2957	,2317
	Ekstrak 50mg/kgBB	-,39000*	,12777	,005	-,6537	-,1263
	Ekstrak 100mg/kgBB	-,15400	,12777	,240	-,4177	,1097

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

Lampiran 15. Hasil SPSS Metode Transit Intestinal

Test of Homogeneity of Variances

RPU

Levene Statistic	df1	df2	Sig.
1,920	5	24	,128

ANOVA

RPU

	Sum of Squares	df	Mean Square	F	Sig.
Between Groups	23913,691	5	4782,738	876,270	,000
Within Groups	130,994	24	5,458		
Total	24044,684	29			

Post Hoc Tests

Multiple Comparisons

RPU
LSD

(I) Kelompok	(J) Kelompok	Mean Difference (I-J)	Std. Error	Sig.	95% Confidence Interval	
					Lower Bound	Upper Bound
CMC Na 0,5 %	Loperamid	72,65600 [*]	1,47757	,000	69,6064	75,7056
	Kaolin Pectin	63,64000 [*]	1,47757	,000	60,5904	66,6896
	Ekstrak 50mg/kgBB	14,12800 [*]	1,47757	,000	11,0784	17,1776
	Ekstrak 100mg/kgBB	46,03600 [*]	1,47757	,000	42,9864	49,0856
	Ekstrak 200mg/kgBB	71,30800 [*]	1,47757	,000	68,2584	74,3576
Loperamid	CMC Na 0,5 %	-72,65600 [*]	1,47757	,000	-75,7056	-69,6064
	Kaolin Pectin	-9,01600 [*]	1,47757	,000	-12,0656	-5,9664
	Ekstrak 50mg/kgBB	-58,52800 [*]	1,47757	,000	-61,5776	-55,4784
	Ekstrak 100mg/kgBB	-26,62000 [*]	1,47757	,000	-29,6696	-23,5704
	Ekstrak 200mg/kgBB	-1,34800	1,47757	,371	-4,3976	1,7016
Kaolin Pectin	CMC Na 0,5 %	-63,64000 [*]	1,47757	,000	-66,6896	-60,5904
	Loperamid	9,01600 [*]	1,47757	,000	5,9664	12,0656
	Ekstrak 50mg/kgBB	-49,51200 [*]	1,47757	,000	-52,5616	-46,4624
	Ekstrak 100mg/kgBB	-17,60400 [*]	1,47757	,000	-20,6536	-14,5544
	Ekstrak 200mg/kgBB	7,66800 [*]	1,47757	,000	4,6184	10,7176
Ekstrak 50mg/kgBB	CMC Na 0,5 %	-14,12800 [*]	1,47757	,000	-17,1776	-11,0784
	Loperamid	58,52800 [*]	1,47757	,000	55,4784	61,5776
	Kaolin Pectin	49,51200 [*]	1,47757	,000	46,4624	52,5616
	Ekstrak 100mg/kgBB	31,90800 [*]	1,47757	,000	28,8584	34,9576
	Ekstrak 200mg/kgBB	57,18000 [*]	1,47757	,000	54,1304	60,2296

Ekstrak 100mg/kgBB	CMC Na 0,5 %	-46,03600*	1,47757	,000	-49,0856	-42,9864
	Loperamid	26,62000*	1,47757	,000	23,5704	29,6696
	Kaolin Pectin	17,60400*	1,47757	,000	14,5544	20,6536
	Ekstrak 50mg/kgBB	-31,90800*	1,47757	,000	-34,9576	-28,8584
	Ekstrak 200mg/kgBB	25,27200*	1,47757	,000	22,2224	28,3216
Ekstrak 200mg/kgBB	CMC Na 0,5 %	-71,30800*	1,47757	,000	-74,3576	-68,2584
	Loperamid	1,34800	1,47757	,371	-1,7016	4,3976
	Kaolin Pectin	-7,66800*	1,47757	,000	-10,7176	-4,6184
	Ekstrak 50mg/kgBB	-57,18000*	1,47757	,000	-60,2296	-54,1304
	Ekstrak 100mg/kgBB	-25,27200*	1,47757	,000	-28,3216	-22,2224

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