

## Lampiran 1. Surat keterangan determinasi daun patikala



### UPT-LABORATORIUM

Nomor : 30/DET/UPT-LAB/5.03.2020  
Hal : Hasil determinasi tumbuhan  
Lamp. : -

Nama Pemesan : Rafly L.J.  
NIDN : 22164766A  
Alamat : Program Studi S-1 Farmasi, Universitas Setia Budi, Surakarta  
Nama sampel : Kecombrang/*Etilingera elatior* (Jack) R.M. Sm/ *Nicolaia speciosa* (Bl.)

#### HASIL DETERMINASI TUMBUHAN

##### Klasifikasi

Kingdom : Plantae  
Super Divisi : Spermatophyta  
Divisi : Magnoliophyta  
Kelas : Liliopsida  
Ordo : Zingiberales  
Famili : Zingiberaceae  
Genus : *Etilingera*  
Species : *Etilingera elatior* (Jack) R.M. Sm

Hasil Determinasi menurut C.A. Backer & R.C. Bakhuizen van den Brink Jr. (1963) :

1b – 2b – 3b – 4b – 12b – 13b – 14b – 17b – 18b – 19b – 20b – 21b – 22b – 23b – 24a – 25a – 26b – 27a – 28b – 29b – 30a – 31a – 32a – 33a – 34b – 333b – 334b – 335a – 336a – 337a – 338a – 339b – 340a. familia 207. Zingiberaceae. 1a – 2a – 6c – 11a – 12a. *Nicolaia*. 1a – 2b. *Nicolaia speciosa* (Bl.) Horan. Sinonim: *Etilingera elatior* (Jack) R.M. Sm.

Jl. Letjen Sutoyo, Mojosongo-Solo 57127 Telp. 0271-852518, Fax. 0271-853275  
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Deskripsi:

Habitus : Herba.

Akar : Rhizoma, bercabang-cabang.

Batang : Percabangan simpodial, hijau tua, bagian pangkal merah.

Daun : Tunggal, bangun lanset, ujung meruncing, pangkal membulat, tepi rata, tulang daun menyirip, permukaan licin, panjang 30 – 32 cm, lebar 7,8 – 8,9 cm, tangkai daun tidak berambut, putih kekuningan atau ungu, panjang 0,75 – 2 cm.

Bunga : Majemuk, tumbuh dari rhizoma, bractea tegak, herbaceus sampai coriaceous, bulat telur sampai bulat memanjang, kelopak bentuk tabung, daun mahkota merah jambu, benangsari kuning, putik kecil.

Kepala UPT-LAB  
Universitas Setia Budi



Asik Gunawan, Amdk


Surakarta, 5 Maret 2020

Penanggung jawab  
Determinasi Tumbuhan



Dra. Dewi Sulistyawati. M.Sc.

## Lampiran 2. Surat Ethical Clearance

**HEALTH RESEARCH ETHICS COMMITTEE**  
**KOMISI ETIK PENELITIAN KESEHATAN**

**Dr. Moewardi General Hospital**  
**RSUD Dr. Moewardi**

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**ETHICAL CLEARANCE**  
**KELAIKAN ETIK**

**Nomor : 604 / III / HREC / 2020**

*The Health Research Ethics Committee Dr. Moewardi*  
Komisi Etik Penelitian Kesehatan RSUD Dr. Moewardi

*after reviewing the proposal design, herewith to certify*  
setelah menilal rancangan penelitian yang diusulkan, dengan ini menyatakan

*That the research proposal with topic :*  
Bahwa usulan penelitian dengan judul


**PENGARUH PEMBERIAN EKSTRAK ETANOL DAUN PATIKALA (Etlingera elatior) TERHADAP PENINGKATAN DAYA INGAT PADA MENCIT YANG DIINDUKSI TIMBAL (II) ASETAT**

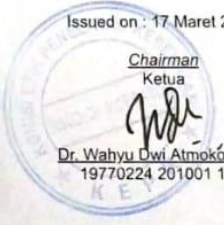
*Principal Investigator* : Rafly Ij  
Peneliti Utama 22164766A

*Location of research* : Universitas setia budi  
Lokasi Tempat Penelitian

*Is ethically approved*  
Dinyatakan layak etik

Issued on : 17 Maret 2020

*Chairman*  
Ketua  
  
**Dr. Wahyu Dwi Atmoko, Sp.F**  
19770224 201001 1 004



**Lampiran 3. Daun patikala dan daun patikala kering**



**Daun patikala**

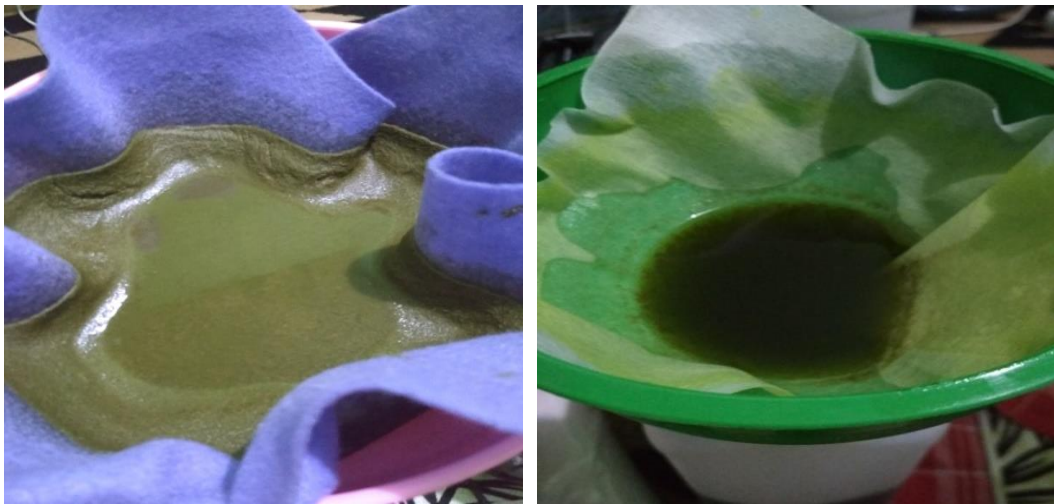


**Daun patikala kering**

**Lampiran 4. Botol maserasi dan penyaringan**



**Botol maserasi**



**Penyaringan**

**Lampiran 5. Rotary evaporator dan ekstrak etanol daun patikala**



*Rotary evaporator*



**Ekstrak etanol daun patikala**

**Lampiran 6. Identifikasi kandungan tanaman patikala**



**Uji Alkaloid**



**Uji Flavonoid**



**Uji Saponin**

**Lampiran 7. Hewan uji dan proses pengujian maze radial**



**Hewan uji menci**



**Proses pengujian maze radial**



## Lampiran 8. Data persentase kesalahan

### A. Tipe B pretest

hari ke	Ginkgo Biloba	CMC Na	EDP 50 mg/kgBB	EDP 100 mg/kgBB	EDP 200 mg/kgBB
0	3.15±5.41	10±10.47	9.00±12.45	6.50±6.26	5.00±6.85
1	2.5±5.59	10.50±14.36	5.83±8.12	0±0	0±0
2	2.226±4.98	0±0	4.00±5.76	7.50±11.18	2.50±5.59
3	1.61±2.47	11.50±7.20	2.50±5.59	2.50±5.59	0±0
4	0.5±1.12	15±16.30	0±0	2.50±5.59	1.50±3.35
5	0.5±1.12	17.48±16.89	5.00±11.18	0±0	0±0
6	0±0	0±0	0±0	9.0±12.45	0±0
7	0.63±1.25	7.50±011.18	2.50±5.59	0±0	0±0
8	2.36±5.28	0±0	0±0	0±0	0±0
9	0.65±1.45	0±0	5.00±11.18	0±0	1.50±3.35
10	0±0	2.50±5.59	0±0	0±0	1.50±3.35
11	0±0	2.50±5.59	0±0	0±0	0±0
12	0±0	0±0	0±0	0±0	0±0

### B. Tipe B posttest

Hari Ke-	Ginkgo Biloba	CMC Na	EDP 42 mg/kgBB	EDP 84 mg/kgBB	EDP 168 mg/kgBB
1	2.5±5.5	27.7±231	12.5±17.6	10±22	0±0
2	0±0	43±18	2.5±5.5	12.5±21	0±0
3	0±0	51±47	2.5±5.5	9.2±14	0±0
4	0±0	32.5±24.3	12.5±15.3	10±10.4	7.5±11
5	2.5±5.5	52±18	15±5.5	25±15	15±16
6	5±6	58±26	12.4±8.8	10±10.4	12.5±12.5
7	5±6	52.5±28	9.9±10	10±10.4	30±20
8	5.5±6	52.5±11	7.5±6.8	10±10.4	10±10.4
9	3±5	28±11	7.5±6.8	5±6.8	5±6
10	0±0	40±36	5±6.8	5±6.8	0±0
11	0±0	33±19	3.5±5.4	5±6.8	0±0
12	0±0	20±18	3.5±5.4	2.5±5.5	0±0

## Lampiran 9. Data waktu retensi

### A. Waktu retensi prettest

hari ke	Ginkgo Biloba	CMC Na	EDP 50 mg/kgBB	EDP 100 mg/kgBB	EDP 200 mg/kgBB
0	35.4±10.31	44.20±18.81	28.20±14.41	43.80±7.60	41±13.42
1	35.80±7.14	44.40±11.50	29.40±13.36	47.80±9.88	28.40±6.66
2	35.8±11.50	39.20±11.43	34±8.25	38±11	28.60±14.64
3	21.6±9.94	32,80±15.58	24.60±15.57	34±15	23,20±19.61
4	16.4±5.13	40.20±16.15	26.80±11.76	38±16	17.20±7.79
5	16.2±8.38	30.20±8.64	15.80±13.61	19±16	13.40±7.47
6	14±11.47	33.50±14.15	21.80±11.86	20.20±11	24.60±5.86
7	12.6±9.02	31,60±17.67	16.80±12.85	12.60±9	23±13
8	11.4±7.83	39.40±5.94	22±13.47	10.20±8.3	15.40±6.95
9	16.8±4.66	25.60±17.30	24±15	30.40±2.93	11.60±11.22
10	10.4±6.43	16.60±11.52	22.60±7.40	31.20±4.60	19.60±13.11
11	8.8±8.04	23.20±13.48	15.40±13.67	29.40±7.13	13.20±11.80
12	5±5.52	20±11.92	24.60±15.63	17.8±7.26	14.20±11.61

### B. Waktu retensi posttest

Hari Ke-	Ginkgo Biloba	CMC Na	EDP 42 mg/kgBB	EDP 84 mg/kgBB	EDP 168 mg/kgBB
1	7±3	24.8±15	24.4±4	20.2±8	14.4±13
2	6.8±2	52.6±32	26±4	20.2±12	24.4±22
3	18.2±5	39.4±22	16.6±8	11.4±5	18.8±11.6
4	19.8±4.4	29.6±9	16.6±7.4	11±6	17.8±13
5	16±3	37.6±12	20±8	14.6±6	18±3
6	13.6±4	36.6±10	17±5	12.8±4	11.4±8
7	13.2±2	41±15	25±3	11.6±6	15.6±9
8	9.6±4.1	39.8±13	21±8	9.6±3	18±3
9	12.4±6	44±14	25±10	15.6±4	16.4±10
10	9.2±1.3	30.8±9	16±2	14.4±6	16±10
11	9.6±3.9	16±11	12±6	16.8±7	13.6±5
12	7.4±5.9	24±21	13±5	11.4±5	7.2±6

## Lampiran 10. Perhitungan persentase rendemen

### A. Perhitungan hasil persentase rendemen dan LOD bobot kering terhadap bobot basah daun patikala

Bobot Basah (g)	Bobot Kering (g)	Rendemen (%) b/b)	LOD (%b/b)
8000	1080	13,5	68,5

Perhitungan:

$$\begin{aligned}\% \text{ rendemen kering} &= \frac{\text{Berat kering}}{\text{Berat basah}} \times 100\% \\ &= \frac{1080}{8000} \times 100\% \\ &= 13,5\%\end{aligned}$$

$$\begin{aligned}\% \text{ LOD} &= \frac{\text{Berat Basah} - \text{Berat kering}}{\text{Berat basah}} \times 100\% \\ &= \frac{8000 - 1080}{8000} \times 100\% \\ &= 68,5 \%\end{aligned}$$

### B. Persentase rendemen serbuk halus terhadap daun kering patikala

Berat Kering Daun patikala (g)	Berat Serbuk Daun patikala (g)	Rendemen (% b/b)
1080	800	78,07

Perhitungan rendemen:

$$\begin{aligned}\% \text{ rendemen kering} &= \frac{\text{Berat serbuk}}{\text{Berat kering}} \times 100\% \\ &= \frac{800}{1080} \times 100\% \\ &= 74.07\%\end{aligned}$$

### C. Persentase rendemen ekstrak terhadap serbuk halus daun patikala

Berat Serbuk (g)	Bobot Ekstrak (g)	Rendemen (%)
200	15,84	7,92%
200	26,084	13,04%
200	18,4054	9,2%
200	19,5427	9,77%
<b>Rata-Rata</b>		<b>9,98%</b>

Perhitungan rendemen:

$$\begin{aligned}\% \text{ rendemen ekstrak 1} &= \frac{\text{Bobot Ekstrak}}{\text{Berat Serbuk}} \times 100\% \\ &= \frac{15,84}{200} \times 100\% \\ &= 7,92\%\end{aligned}$$

$$\begin{aligned}\% \text{ rendemen ekstrak 2} &= \frac{\text{Bobot Ekstrak}}{\text{Berat Serbuk}} \times 100\% \\ &= \frac{26,084}{200} \times 100\% \\ &= 13,04\%\end{aligned}$$

$$\begin{aligned}\% \text{ rendemen ekstrak 3} &= \frac{\text{Bobot Ekstrak}}{\text{Berat Serbuk}} \times 100\% \\ &= \frac{18,405}{200} \times 100\% \\ &= 9,2\%\end{aligned}$$

$$\begin{aligned}\% \text{ rendemen ekstrak 2} &= \frac{\text{Bobot Ekstrak}}{\text{Berat Serbuk}} \times 100\% \\ &= \frac{19,542}{200} \times 100\% \\ &= 9,77\%\end{aligned}$$

$$\begin{aligned}\text{Rata-rata rendemen ekstrak} &= \frac{\text{rendemen 1} + \text{rendemen 2} + \text{rendemen 3} + \text{rendemen 4}}{4} \\ &= \frac{7,92\% + 13,04\% + 9,2\% + 9,77\%}{4} = 9,98\%\end{aligned}$$

## **Lampiran 11. Perhitungan larutan stok**

### **A. Larutan stok CMC Na (0.5%) dalam 200 ml**

$$0.5\% = \frac{500 \text{ mg}}{100 \text{ ml}} \times 200 \text{ ml} = 1000 \text{ mg}$$

Menimbang 500 mg CMC Na kemudian dilarutkan dengan air hangat sedikit demi sedikit ad 100 ml

### **B. Larutan stok ginkgo biloba (0.1%) dala, 100 ml**

$$0.1\% = \frac{100 \text{ mg}}{100 \text{ ml}} \times 100 \text{ ml} = 100 \text{ mg}$$

Menimbang isi dari kapsul ginkgo biloba sebanyak 100 mg kemudian dimasukan kedalam botol dan dilarutkan menggunakan CMC Na (0.5%) ad 100 ml

### **C. Larutan stok ekstrak etanol daun patikala (0.5%) dalam 100 ml**

$$0.5\% = \frac{500 \text{ mg}}{100 \text{ ml}} \times 100 \text{ ml} = 500 \text{ mg}$$

Menimbang ekstrak daun patikala sebanyak 1000 mg kemudian di gerus dan dicampur dengan CMC Na 0,5 % ad 100 ml

### **D. Larutan stok Timbal (II) Asetat (0.1%) dalam 100 ml**

$$0.1\% = \frac{100 \text{ mg}}{100 \text{ ml}} \times 100 \text{ ml} = 100 \text{ mg}$$

Menimbang Timbal (II) Asetat sebanyak 100 mg dan di tambahkan dengan aquades ad 100 ml

### Lampiran 11. Perhitungan dosis uji ekstrak etanol daun patikala

#### A. Dosis 42 mg/kg BB mencit (p.o) 0.5%

Dosis Mencit 42 mg/kg BB diubah menjadi 0.84 mg/ 20 gr BB mencit

$$\text{Volume pemberian } \frac{0.84 \text{ mg}}{500 \text{ mg}} \times 100 \text{ ml} = 0.168$$

Dosis per bobot mencit

No	Perhitungan	Volume pemberian (ml)
Mencit 1	$\frac{20}{20} \times 0.168$	0.168
Mencit 2	$\frac{19}{20} \times 0.168$	0.159
Mencit 3	$\frac{23}{20} \times 0.168$	0.193
Mencit 4	$\frac{23}{20} \times 0.168$	0.193
Mencit 5	$\frac{23}{20} \times 0.168$	0.193

#### B. Dosis 84 mg/kg BB mencit (p.o) 0.5%

Dosis Mencit 84 mg/kg BB diubah menjadi 1,68 mg/ 20 gr BB mencit

$$\text{Volume pemberian } \frac{1.68 \text{ mg}}{500 \text{ mg}} \times 100 \text{ ml} = 0.336 \text{ ml}$$

Dosis per bobot mencit

No	Perhitungan	Volume pemberian (ml)
Mencit 1	$\frac{20}{20} \times 0.336$	0.336
Mencit 2	$\frac{19}{20} \times 0.336$	0.319
Mencit 3	$\frac{20}{20} \times 0.336$	0.336
Mencit 4	$\frac{23}{20} \times 0.336$	0.386
Mencit 5	$\frac{20}{20} \times 0.336$	0.336

**C. Dosis 168 mg/kg BB mencit (p.o) 0.5%**

Dosis Mencit 168 mg/kg BB diubah menjadi 3.36 mg/ 20 gr BB mencit

$$\text{Volume pemberian } \frac{3.36 \text{ mg}}{500 \text{ mg}} \times 100 \text{ ml} = 0.672 \text{ ml}$$

Dosis per bobot mencit		
No	Perhitungan	Volume pemberian (ml)
Mencit 1	$\frac{20}{20} \times 0.672$	0.672
Mencit 2	$\frac{19}{20} \times 0.672$	0.638
Mencit 3	$\frac{22}{20} \times 0.672$	0.739
Mencit 4	$\frac{23}{20} \times 0.672$	0.772
Mencit 5	$\frac{25}{20} \times 0.672$	0.84

## Lampiran 12. Perhitungan dosis kapsul *Ginkgo biloba* 0.1%

Dosis satu kapsul *Ginkgo biloba* mengandung ekstrak 75 mg/70kg BB manusia.

Dosis dikonversikan ke mencit =  $75 \times 0,0026 = 0,195$  mg/20 gram BB mencit (p.o.).

$$\text{Volume pemberian} \frac{0.195 \text{ mg}}{100 \text{ mg}} \times 100 \text{ ml} = 0.195 \text{ ml}$$

No	Dosis per bobot mencit	
	Perhitungan	Volume pemberian (ml)
Mencit 1	$\frac{20}{20} \times 0.195$	0.195
Mencit 2	$\frac{23}{20} \times 0.195$	0.224
Mencit 3	$\frac{21}{20} \times 0.195$	0.204
Mencit 4	$\frac{23}{20} \times 0.195$	0.224
Mencit 5	$\frac{23}{20} \times 0.195$	0.224



### **Lampiran 13. Perhitungan dosis timbal (II) asetat 0.1%**

Timbal (II) asetat yang digunakan adalah serbuk kristal dengan dosis 20 mg / 200 gr BB Tikus

$$\begin{aligned}\text{Konversi ke mencit} &= 20 \text{ mg} \times 0.14 \\ &= 2.8 \text{ mg} / 20\text{gr BB mencit}\end{aligned}$$

$$\text{Volume pemberian } \frac{2.8 \text{ mg}}{100 \text{ mg}} \times 100 \text{ ml} = 2.8 \text{ ml}$$

## Lampiran 14. Uji statistik

### A. Normalitas AUC WM

#### Tests of Normality

	Kelompok	Kolmogorov-Smirnov <sup>a</sup>			Shapiro-Wilk		
		Statistic	Df	Sig.	Statistic	df	Sig.
AUC	Ginggo	.249	5	.200*	.874	5	.283
	Cmc	.176	5	.200*	.990	5	.978
	dosis42 mg	.312	5	.127	.850	5	.196
	dosis 84 mg	.257	5	.200*	.792	5	.069
	dosis 168 mg	.231	5	.200*	.917	5	.508

\*. This is a lower bound of the true significance.

a. Lilliefors Significance Correction

### B. Normalitas persen WM

#### Tests of Normality<sup>b</sup>

	Kelompok	Kolmogorov-Smirnov <sup>a</sup>			Shapiro-Wilk		
		Statistic	df	Sig.	Statistic	Df	Sig.
persenWM	Ginggo	.292	5	.188	.806	5	.091
	dosis42mg	.224	5	.200*	.898	5	.398
	dosis 84 mg	.196	5	.200*	.966	5	.848
	dosis 168mg	.307	5	.138	.853	5	.205

\*. This is a lower bound of the true significance.

a. Lilliefors Significance Correction

b. There are no valid cases for persenWM when kelompok = 2.000. Statistics cannot be computed for this level.

### C. Anova persen WM

#### Test of Homogeneity of Variances

		Levene Statistic	df1	df2	Sig.
persenWM	Based on Mean	4.039	3	16	.026
	Based on Median	.745	3	16	.541
	Based on Median and with adjusted df	.745	3	8.798	.553
	Based on trimmed mean	3.816	3	16	.031

## ANOVA

persenWM					
	Sum of Squares	Df	Mean Square	F	Sig.
Between Groups	1472.542	3	490.847	6.586	.004
Within Groups	1192.489	16	74.531		
Total	2665.032	19			

## Multiple Comparisons

Dependent Variable: persenWM

	(I) kelompok	(J) kelompok	Mean Difference (I-J)	Std. Error	Sig.	95% Confidence Interval	
						Lower Bound	Upper Bound
Dunnett T3	Ginggo	dosis42mg	23.89130*	4.35675	.007	8.0962	39.6864
		dosis 84 mg	9.05128	3.78819	.214	-4.2035	22.3061
		dosis 168mg	13.14924	5.91769	.297	-9.8732	36.1716
	dosis42mg	Ginggo	-23.89130*	4.35675	.007	-39.6864	-8.0962
		dosis 84 mg	-14.84002	4.96039	.088	-31.6813	2.0012
		dosis 168mg	-10.74207	6.72860	.552	-34.1168	12.6326
	dosis 84 mg	Ginggo	-9.05128	3.78819	.214	-22.3061	4.2035
		dosis42mg	14.84002	4.96039	.088	-2.0012	31.6813
		dosis 168mg	4.09796	6.37520	.981	-18.8177	27.0136
	dosis 168mg	Ginggo	-13.14924	5.91769	.297	-36.1716	9.8732
		dosis42mg	10.74207	6.72860	.552	-12.6326	34.1168
		dosis 84 mg	-4.09796	6.37520	.981	-27.0136	18.8177

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

### D. Normalitas AUC B

#### Tests of Normality

	Kelompok	Kolmogorov-Smirnov <sup>a</sup>			Shapiro-Wilk		
		Statistic	Df	Sig.	Statistic	df	Sig.
AUCB	Ginggo	.237	5	.200*	.950	5	.735
	Cmc	.216	5	.200*	.862	5	.235
	dosis42mg	.255	5	.200*	.848	5	.187
	dosis 84 mg	.335	5	.068	.786	5	.063
	dosis 168mg	.291	5	.193	.816	5	.110

\*. This is a lower bound of the true significance.

a. Lilliefors Significance Correction

### E. Normalitas persen B

#### Tests of Normality<sup>c</sup>

	Kelompok	Kolmogorov-Smirnov <sup>a</sup>			Shapiro-Wilk		
		Statistic	df	Sig.	Statistic	df	Sig.
PersenB	Ginggo	.172	5	.200 <sup>*</sup>	.962	5	.821
	dosis42mg	.208	5	.200 <sup>*</sup>	.970	5	.873
	dosis 84 mg	.217	5	.200 <sup>*</sup>	.904	5	.433
	dosis 168mg	.347	5	.049	.779	5	.054

\*. This is a lower bound of the true significance.

a. Lilliefors Significance Correction

c. There are no valid cases for PersenB when kelompok = 2.000. Statistics cannot be computed for this level.

### F. Anova AUC B

#### Test of Homogeneity of Variances

		Levene Statistic	df1	df2	Sig.
AUCB	Based on Mean	7.822	4	20	.001
	Based on Median	2.194	4	20	.107
	Based on Median and with adjusted df	2.194	4	12.412	.129
	Based on trimmed mean	7.226	4	20	.001

### ANOVA

AUCB

	Sum of Squares	Df	Mean Square	F	Sig.
Between Groups	1530184.641	4	382546.160	89.870	.000
Within Groups	85133.690	20	4256.684		
Total	1615318.331	24			

### Multiple Comparisons

Dependent Variable: AUCB

	(I) kelompok	(J) kelompok	Mean Difference (I-J)	Std. Error	Sig.	95% Confidence Interval	
						Lower Bound	Upper Bound
Tukey HSD	Ginggo	Cmc	-690.78571 <sup>*</sup>	41.26347	.000	-814.2615	-567.3100
		dosis42mg	-112.10000	41.26347	.087	-235.5758	11.3758

		dosis 84 mg	-134.75000*	41.26347	.028	-258.2258	-11.2742
		dosis 168mg	-84.75000	41.26347	.278	-208.2258	38.7258
	Cmc	Ginggo	690.78571*	41.26347	.000	567.3100	814.2615
		dosis42mg	578.68571*	41.26347	.000	455.2100	702.1615
		dosis 84 mg	556.03572*	41.26347	.000	432.5600	679.5115
		dosis 168mg	606.03571*	41.26347	.000	482.5600	729.5115
	dosis42mg	Ginggo	112.10000	41.26347	.087	-11.3758	235.5758
		Cmc	-578.68571*	41.26347	.000	-702.1615	-455.2100
		dosis 84 mg	-22.65000	41.26347	.981	-146.1258	100.8258
		dosis 168mg	27.35000	41.26347	.962	-96.1258	150.8258
	dosis 84 mg	Ginggo	134.75000*	41.26347	.028	11.2742	258.2258
		Cmc	-556.03571*	41.26347	.000	-679.5115	-432.5600
		dosis42mg	22.65000	41.26347	.981	-100.8258	146.1258
		dosis 168mg	50.00000	41.26347	.745	-73.4758	173.4758
	dosis 168mg	Ginggo	84.75000	41.26347	.278	-38.7258	208.2258
		Cmc	-606.03571*	41.26347	.000	-729.5115	-482.5600
dosis42mg		-27.35000	41.26347	.962	-150.8258	96.1258	
dosis 84 mg		-50.00000	41.26347	.745	-173.4758	73.4758	
Dunnett T3	Ginggo	Cmc	-690.78571*	52.43871	.001	-939.3502	-442.2213
		dosis42mg	-112.10000*	19.18798	.015	-195.0776	-29.1224
		dosis 84 mg	-134.75000*	22.24649	.015	-233.3870	-36.1130
		dosis 168mg	-84.75000	27.64846	.183	-210.7504	41.2504
	Cmc	Ginggo	690.78571*	52.43871	.001	442.2213	939.3502
		dosis42mg	578.68571*	55.11406	.001	340.0864	817.2850
		dosis 84 mg	556.03572*	56.25200	.001	319.5669	792.5045
		dosis 168mg	606.03571*	58.59879	.000	371.1350	840.9365
	dosis42mg	Ginggo	112.10000*	19.18798	.015	29.1224	195.0776
		Cmc	-578.68571*	55.11406	.001	-817.2850	-340.0864
		dosis 84 mg	-22.65000	27.97584	.989	-125.7747	80.4747
		dosis 168mg	27.35000	32.43730	.984	-96.0338	150.7338
	dosis 84 mg	Ginggo	134.75000*	22.24649	.015	36.1130	233.3870
		Cmc	-556.03571*	56.25200	.001	-792.5045	-319.5669
		dosis42mg	22.65000	27.97584	.989	-80.4747	125.7747
		dosis 168mg	50.00000	34.33520	.771	-77.4642	177.4642
dosis 168mg	Ginggo	84.75000	27.64846	.183	-41.2504	210.7504	
	Cmc	-606.03571*	58.59879	.000	-840.9365	-371.1350	
	dosis42mg	-27.35000	32.43730	.984	-150.7338	96.0338	
	dosis 84 mg	-50.00000	34.33520	.771	-177.4642	77.4642	

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

G. Anova AUC B dan Persen B

**Test of Homogeneity of Variances**

		Levene Statistic	df1	df2	Sig.
AUCB	Based on Mean	7.822	4	20	.001
	Based on Median	2.194	4	20	.107
	Based on Median and with adjusted df	2.194	4	12.412	.129
	Based on trimmed mean	7.226	4	20	.001
PersenB	Based on Mean	3.110	3	16	.056
	Based on Median	.692	3	16	.570
	Based on Median and with adjusted df	.692	3	6.641	.587
	Based on trimmed mean	2.843	3	16	.071

**ANOVA**

		Sum of Squares	df	Mean Square	F	Sig.
AUCB	Between Groups	1530184.641	4	382546.160	89.870	.000
	Within Groups	85133.690	20	4256.684		
	Total	1615318.331	24			
PersenB	Between Groups	990.131	3	330.044	6.906	.003
	Within Groups	764.664	16	47.791		
	Total	1754.794	19			

**Multiple Comparisons**

Dependent Variable		(I) kelompok	(J) kelompok	Mean Difference (I-J)	Std. Error	Sig.	95% Confidence Interval	
							Lower Bound	Upper Bound
AUCB	Tukey HSD	ginggo	Cmc	-690.78571*	41.26347	.000	-814.2615	-567.3100
			dosis42mg	-112.10000	41.26347	.087	-235.5758	11.3758
			dosis 84 mg	-134.75000*	41.26347	.028	-258.2258	-11.2742
			dosis 168mg	-84.75000	41.26347	.278	-208.2258	38.7258
		cmc	Ginggo	690.78571*	41.26347	.000	567.3100	814.2615
			dosis42mg	578.68571*	41.26347	.000	455.2100	702.1615

			dosis 84 mg	556.03572*	41.26347	.000	432.5600	679.5115	
			dosis 168mg	606.03571*	41.26347	.000	482.5600	729.5115	
		dosis42mg	Ginggo	112.10000	41.26347	.087	-11.3758	235.5758	
			Cmc	-578.68571*	41.26347	.000	-702.1615	-455.2100	
			dosis 84 mg	-22.65000	41.26347	.981	-146.1258	100.8258	
			dosis 168mg	27.35000	41.26347	.962	-96.1258	150.8258	
		dosis 84 mg	Ginggo	134.75000*	41.26347	.028	11.2742	258.2258	
			Cmc	-556.03571*	41.26347	.000	-679.5115	-432.5600	
			dosis42mg	22.65000	41.26347	.981	-100.8258	146.1258	
			dosis 168mg	50.00000	41.26347	.745	-73.4758	173.4758	
		dosis 168mg	Ginggo	84.75000	41.26347	.278	-38.7258	208.2258	
			Cmc	-606.03571*	41.26347	.000	-729.5115	-482.5600	
			dosis42mg	-27.35000	41.26347	.962	-150.8258	96.1258	
			dosis 84 mg	-50.00000	41.26347	.745	-173.4758	73.4758	
	Dunnett T3	ginggo	Cmc	-690.78571*	52.43871	.001	-939.3502	-442.2213	
				dosis42mg	-112.10000*	19.18798	.015	-195.0776	-29.1224
				dosis 84 mg	-134.75000*	22.24649	.015	-233.3870	-36.1130
				dosis 168mg	-84.75000	27.64846	.183	-210.7504	41.2504
			cmc	Ginggo	690.78571*	52.43871	.001	442.2213	939.3502
				dosis42mg	578.68571*	55.11406	.001	340.0864	817.2850
				dosis 84 mg	556.03572*	56.25200	.001	319.5669	792.5045
				dosis 168mg	606.03571*	58.59879	.000	371.1350	840.9365
			dosis42mg	Ginggo	112.10000*	19.18798	.015	29.1224	195.0776
				Cmc	-578.68571*	55.11406	.001	-817.2850	-340.0864
				dosis 84 mg	-22.65000	27.97584	.989	-125.7747	80.4747
				dosis 168mg	27.35000	32.43730	.984	-96.0338	150.7338
				ginggo	134.75000*	22.24649	.015	36.1130	233.3870

	dosis 84 mg	cmc	-556.03571*	56.25200	.001	-792.5045	-319.5669
		dosis42mg	22.65000	27.97584	.989	-80.4747	125.7747
		dosis 168mg	50.00000	34.33520	.771	-77.4642	177.4642
	dosis 168mg	ginggo	84.75000	27.64846	.183	-41.2504	210.7504
		cmc	-606.03571*	58.59879	.000	-840.9365	-371.1350
		dosis42mg	-27.35000	32.43730	.984	-150.7338	96.0338
		dosis 84 mg	-50.00000	34.33520	.771	-177.4642	77.4642

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

## H. Korelasi

### Correlations

		AUC	persenWM	AUCB	PersenB
AUC	Pearson Correlation	1	-.846**	.922**	-.397
	Sig. (2-tailed)		.000	.000	.083
	N	25	20	25	20
persenWM	Pearson Correlation	-.846**	1	-.387	.467*
	Sig. (2-tailed)	.000		.092	.038
	N	20	20	20	20
AUCB	Pearson Correlation	.922**	-.387	1	-.960**
	Sig. (2-tailed)	.000	.092		.000
	N	25	20	25	20
PersenB	Pearson Correlation	-.397	.467*	-.960**	1
	Sig. (2-tailed)	.083	.038	.000	
	N	20	20	20	20

\*\* . Correlation is significant at the 0.01 level (2-tailed).

\* . Correlation is significant at the 0.05 level (2-tailed).