

LAMPIRAN 1

Perhitungan Dosis

1. Perhitungan Dosis Ekstrak Etanol Bawang Putih

Bawang Putih basah 1 kg → dikeringkan → 300gram → Ekstrak Etanol 50%, 5 liter → 11.263 gram

Dosis efektif Bawang Putih untuk mencit = 500mg/KgBB dalam bentuk ekstrak etanol 50 %
(Mdidea,2007)

Berat badan mencit yang digunakan = ± 20 gram
Volume lambung mencit = ± 0,5 ml

Perhitungan

Dosis yang digunakan

Ekstrak Etanol Bawang Putih dosis 1 (EEBP1) = 500mg/KgBB Mencit

Ekstrak Etanol Bawang Putih dosis 2 (EEBP2) = 1000mg/KgBB Mencit

Ekstrak Etanol Bawang Putih dosis 3 (EEBP3) = 1500mg/KgBB Mencit

EEBP 1

- 500mg/KgBB mencit
- $20/1000 \times 500\text{mg}$
- 10 mg/mencit 20 gram

EEBP 2

- 1000mg/KgBB mencit
- $20/1000 \times 1000\text{mg}$
- 20 mg/ mencit 20 gram

EEBP 3

- 1500mg/KgBB mencit
- $20/1000 \times 1500\text{mg}$
- 30 mg/ mencit 20 gram

EEBP3 = 30 mg/ mencit 20 gram/ 0.5ml (1 kali sonde)
60 mg/ mencit 20gram/ml
600mg/10ml Na-CMC 1%

$$\begin{aligned}
 1\% \text{ Na-CMC} &= 1\text{ gram Na-CMC}/100 \text{ ml aquadest} \\
 &= 0.1 \text{ gram}/10 \text{ ml} \\
 &= 100 \text{ mg}/10 \text{ ml}
 \end{aligned}$$

600 mg EEBP + 100 mg serbuk Na-CMC → digerus + aquadest 10 ml → EEBP 3

EEBP 1 : EEBP 2 : EEBP 3 = 1 : 2 : 3

$$\text{EEBP 1} = 10 \text{ mg}/0.5 \text{ ml} = 20\text{mg/ml}$$

$$\text{EEBP 2} = 20 \text{ mg}/0.5 \text{ ml} = 40\text{mg/ml}$$

$$\text{EEBP 3} = 30 \text{ mg}/0.5 \text{ ml} = 60\text{mg/ml}$$

$$\text{EEBP 2} = 40/60 \times 4 \text{ ml} = 2.67 \text{ ml EEBP 3} + 1.33 \text{ ml Na-CMC } 1\% = 4 \text{ ml EEBP 2}$$

$$\text{EEBP 1} = 20/60 \times 4 \text{ ml} = 1.33 \text{ ml EEBP 3} + 2.67 \text{ ml Na-CMC } 1\% = 4 \text{ ml EEBP 1}$$

LAMPIRAN 2

2. Perhitungan Dosis Sildenafil Sitrat

Kandungan sildenafil sitrat (1 Tablet)	= 50 mg
Dosis efektif sildenafil sitrat untuk mencit	= 5 mg/KgBB mencit (Tajuddin,2003)
Berat badan mencit yang digunakan	= ± 20 gram
Volume lambung mencit	= ± 0.5 ml

Perhitungan dosis yang gunakan

$5 \text{ mg/KgBB mencit} \times 0.02 \text{ kg} = 0.1 \text{ mg/mencit } 20 \text{ gram}$

Cara pengenceran = $0.1 \text{ mg} / 0.5 \text{ ml}$ (jumlah dosis yang dibutuhkan)
 $2 \text{ mg} / 10 \text{ ml}$
 $0.2 \text{ mg} / \text{ml}$

$50 \text{ mg} / \text{tablet} \rightarrow 50 \text{mg} / 10 \text{ml}$
 $= 2 / 50 \times 10 \text{ ml}$
 $= 0.4 \text{ ml}$

1 tablet disuspensikan dalam 10 ml larutan Na-CMC 1%--> $50 \text{ mg} / 10 \text{ ml} \rightarrow$
 ambil 0.4 ml sildenafil sitrat dalam larutan Na-CMC 1% tambahkan 9.6 ml
 larutan Na-CMC 1%

Cara Kerja :

1 tablet sildenafil sitrat digerus dan ditambah 100mg serbuk Na-CMC $\rightarrow$
 tambahkan aquades hingga 10 ml (homogenkan) $\rightarrow$ sondekan ke dalam
 lambung mencit jantan sebanyak 0.5 ml (setiap penyondean).

LAMPIRAN 3

Data Kasar Penelitian

Hari ke-3						
Dosis 1	15 menit pertama		15 menit kedua		Rerata	
	Introducin g	Mountin g	Introducin g	Mountin g	Σ Introducin g	Σ Mountin g
1	9	1	4	0	6.5	0.5
2	4	0	3	0	3.5	0
3	7	1	8	4	7.5	2.5
4	2	0	0	0	1	0
5	11	0	10	0	10.5	0

Hari ke-3						
Dosis 2	15 menit pertama		15 menit kedua		Rerata	
	Introducin g	Mountin g	Introducin g	Mountin g	Σ Introducin g	Σ Mountin g
1	7	5	5	0	6	2.5
2	8	1	14	0	11	0.5
3	4	0	22	1	13	0.5
4	16	1	25	21	20.5	11
5	19	1	13	2	16	1.5

Hari ke-3						
Dosis 3	15 menit pertama		15 menit kedua		Rerata	
	Introducin g	Mountin g	Introducin g	Mountin g	Σ Introducin g	Σ Mountin g
1	28	2	8	0	18	1
2	23	3	8	0	15.5	1.5
3	11	0	16	0	13.5	0
4	12	4	24	2	18	3
5	20	3	35	3	27.5	3

Hari ke-5

Dosis 1	15 menit pertama		15 menit kedua		Rerata	
	Introducin g	Mountin g	Introducin g	Mountin g	Σ Introducin g	Σ Mountin g
1	20	0	3	0	11.5	0
2	15	3	15	0	15	1.5
3	3	0	13	0	8	0
4	40	19	47	22	43.5	20.5
5	33	7	15	0	24	3.5

Hari ke-5

Dosis 2	15 menit pertama		15 menit kedua		Rerata	
	Introducin g	Mountin g	Introducin g	Mountin g	Σ Introducin g	Σ Mountin g
1	32	6	15	0	23.5	3
2	35	14	20	6	27.5	10
3	23	10	21	6	22	8
4	9	0	15	5	12	2.5
5	13	2	3	0	8	1

Hari ke-5

Dosis 3	15 menit pertama		15 menit kedua		Rerata	
	Introducin g	Mountin g	Introducin g	Mountin g	Σ Introducin g	Σ Mountin g
1	19	3	25	1	22	2
2	15	5	20	3	17.5	4
3	28	9	11	6	19.5	7.5
4	20	4	6	0	13	2
5	25	12	14	4	19.5	8

Hari ke-7

Dosis 1	15 menit pertama		15 menit kedua		Rerata	
	Introducin	Mountin	Introducin	Mountin	Σ Introducin	Σ Mountin
	g	g	g	g	g	g
1	11	0	13	0	12	0
2	33	11	16	13	24.5	12
3	8	0	13	3	10.5	1.5
4	20	2	11	2	15.5	2
5	9	0	8	0	8.5	0

Hari ke-7

Dosis 2	15 menit pertama		15 menit kedua		Rerata	
	Introducin	Mountin	Introducin	Mountin	Σ Introducin	Σ Mountin
	g	g	g	g	g	g
1	16	4	20	2	18	3
2	22	1	15	3	18.5	2
3	19	1	14	4	16.5	2.5
4	13	3	11	3	12	3
5	17	4	14	8	15.5	6

Hari ke-7

Dosis 3	15 menit pertama		15 menit kedua		Rerata	
	Introducin	Mountin	Introducin	Mountin	Σ Introducin	Σ Mountin
	g	g	g	g	g	g
1	12	8	25	6	18.5	7
2	12	6	17	5	14.5	5.5
3	26	1	9	0	17.5	0.5

4	13	1	8	0	10.5	0.5
5	8	0	11	0	9.5	0

LAMPIRAN 4

Analisis Data

1. Pengenalan (*Introducing*)

Descriptive Statistics

	Perlakuan	Mean	Std. Deviation	N
Intro hari3	Bawang Putih dosis 1	5.8000	3.66742	5
	Bawang Putih dosis-2	13.3000	5.42679	5
	Bawang Putih dosis-3	18.5000	5.37355	5
	Kontrol	6.6000	3.34290	5
	Pembanding	34.0000	8.82468	5
	Total	15.6400	11.70783	25
Intro hari5	Bawang Putih dosis 1	20.4000	14.21883	5
	Bawang Putih dosis-2	18.5000	8.15475	5
	Bawang Putih dosis-3	18.3000	3.36526	5
	Kontrol	5.2000	3.51070	5
	Pembanding	28.5000	9.28036	5
	Total	18.1800	11.01881	25
Intro hari7	Bawang Putih dosis 1	14.2000	6.30079	5
	Bawang Putih dosis-2	16.1000	2.58360	5
	Bawang Putih dosis-3	14.1000	4.03733	5
	Kontrol	5.8000	3.21325	5
	Pembanding	25.0000	4.16833	5
	Total	15.0400	7.35402	25

Tests of Between-Subjects Effects

Measure: intro
Transformed Variable: Average

Source	Type III Sum of Squares	df	Mean Square	F	Sig.	Partial Eta Squared
Intercept	19894.163	1	19894.163	603.219	.000	.968
Perlakuan	4244.820	4	1061.205	32.177	.000	.866

Error	659.600	20	32.980			
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Levene's Test of Equality of Error Variances(a)

	F	df1	df2	Sig.
Intro hari3	.694	4	20	.605
Intro hari5	2.717	4	20	.059
Intro hari7	1.172	4	20	.353

Tests the null hypothesis that the error variance of the dependent variable is equal across groups.

a. Design: Intercept+Perlakuan

Within Subjects Design: hari

Pairwise Comparisons

Measure: intro

(I) Perlakuan	(J) Perlakuan	Mean Difference (I-J)	Std. Error	Sig.(a)	95% Confidence Interval for Difference(a)	
					Lower Bound	Upper Bound
Bawang Putih dosis 1	Bawang Putih dosis-2	-2.500	2.097	.247	-6.874	1.874
	Bawang Putih dosis-3	-3.500	2.097	.111	-7.874	.874
	Kontrol	7.600(*)	2.097	.002	3.226	11.974
	Pembanding	-15.700(*)	2.097	.000	-20.074	-11.326
Bawang Putih dosis-2	Bawang Putih dosis 1	2.500	2.097	.247	-1.874	6.874
	Bawang Putih dosis-3	-1.000	2.097	.639	-5.374	3.374
	Kontrol	10.100(*)	2.097	.000	5.726	14.474
	Pembanding	-13.200(*)	2.097	.000	-17.574	-8.826
Bawang Putih dosis-3	Bawang Putih dosis 1	3.500	2.097	.111	-.874	7.874
	Bawang Putih dosis-2	1.000	2.097	.639	-3.374	5.374
	Kontrol	11.100(*)	2.097	.000	6.726	15.474
	Pembanding	-12.200(*)	2.097	.000	-16.574	-7.826
Kontrol	Bawang Putih dosis 1	-7.600(*)	2.097	.002	-11.974	-3.226
	Bawang Putih dosis-2	-10.100(*)	2.097	.000	-14.474	-5.726
	Bawang Putih dosis-3	-11.100(*)	2.097	.000	-15.474	-6.726
	Pembanding	-23.300(*)	2.097	.000	-27.674	-18.926
Pembanding	Bawang Putih dosis 1	15.700(*)	2.097	.000	11.326	20.074
	Bawang Putih dosis-2	13.200(*)	2.097	.000	8.826	17.574
	Bawang Putih dosis-3	12.200(*)	2.097	.000	7.826	16.574
	Kontrol	23.300(*)	2.097	.000	18.926	27.674

Based on estimated marginal means

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

a. Adjustment for multiple comparisons: Least Significant Difference (equivalent to no adjustments).

2. Pengunggaan (*Mounting*)

Descriptive Statistics

	Perlakuan	Mean	Std. Deviation	N
Mounting hari3	Bawang Putih dosis 1	.6000	1.08397	5
	Bawang Putih dosis-2	3.2000	4.43847	5
	Bawang Putih dosis-3	1.7000	1.30384	5
	Kontrol	.8000	1.03682	5
	Pembanding	3.7000	2.51496	5
	Total	2.0000	2.57391	25
Mounting hari5	Bawang Putih dosis 1	5.1000	8.72783	5
	Bawang Putih dosis-2	4.9000	3.87943	5
	Bawang Putih dosis-3	4.7000	2.90689	5
	Kontrol	.9000	1.19373	5
	Pembanding	10.2000	3.32791	5
	Total	5.1600	5.27518	25
Mounting hari7	Bawang Putih dosis 1	3.1000	5.05470	5
	Bawang Putih dosis-2	3.3000	1.56525	5
	Bawang Putih dosis-3	2.7000	3.29014	5
	Kontrol	1.3000	.57009	5
	Pembanding	9.7000	1.89077	5
	Total	4.0200	4.00385	25

Levene's Test of Equality of Error Variances(a)

	F	df1	df2	Sig.
Mounting hari3	2.346	4	20	.089
Mounting hari5	2.763	4	20	.056
Mounting hari7	3.399	4	20	.028

Tests the null hypothesis that the error variance of the dependent variable is equal across groups.

a Design: Intercept+Perlakuan

Within Subjects Design: hari

Tests of Between-Subjects Effects

Measure: mounting
Transformed Variable: Average

Source	Type III Sum of Squares	df	Mean Square	F	Sig.	Partial Eta Squared
Intercept	1041.603	1	1041.603	127.700	.000	.865
Perlakuan	385.347	4	96.337	11.811	.000	.703
Error	163.133	20	8.157			

Pairwise Comparisons

Measure: mounting

(I) Perlakuan	(J) Perlakuan	Mean Difference (I-J)	Std. Error	Sig.(a)	95% Confidence Interval for Difference(a)	
					Lower Bound	Upper Bound
Bawang Putih dosis 1	Bawang Putih dosis-2	-.867	1.043	.416	-3.042	1.309
	Bawang Putih dosis-3	-.100	1.043	.925	-2.275	2.075
	Kontrol	1.933	1.043	.079	-.242	4.109
	Pembanding	-4.933(*)	1.043	.000	-7.109	-2.758
Bawang Putih dosis-2	Bawang Putih dosis 1	.867	1.043	.416	-1.309	3.042
	Bawang Putih dosis-3	.767	1.043	.471	-1.409	2.942
	Kontrol	2.800(*)	1.043	.014	.625	4.975
	Pembanding	-4.067(*)	1.043	.001	-6.242	-1.891
Bawang Putih dosis-3	Bawang Putih dosis 1	.100	1.043	.925	-2.075	2.275
	Bawang Putih dosis-2	-.767	1.043	.471	-2.942	1.409
	Kontrol	2.033	1.043	.065	-.142	4.209
	Pembanding	-4.833(*)	1.043	.000	-7.009	-2.658
Kontrol	Bawang Putih dosis 1	-1.933	1.043	.079	-4.109	.242
	Bawang Putih dosis-2	-2.800(*)	1.043	.014	-4.975	-.625
	Bawang Putih dosis-3	-2.033	1.043	.065	-4.209	.142
	Pembanding	-6.867(*)	1.043	.000	-9.042	-4.691
Pembanding	Bawang Putih dosis 1	4.933(*)	1.043	.000	2.758	7.109
	Bawang Putih dosis-2	4.067(*)	1.043	.001	1.891	6.242
	Bawang Putih dosis-3	4.833(*)	1.043	.000	2.658	7.009
	Kontrol	6.867(*)	1.043	.000	4.691	9.042

Based on estimated marginal means

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

a Adjustment for multiple comparisons: Least Significant Difference (equivalent to no adjustments).

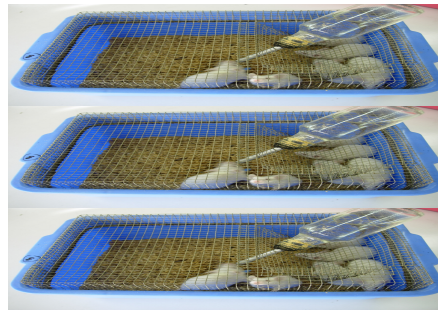
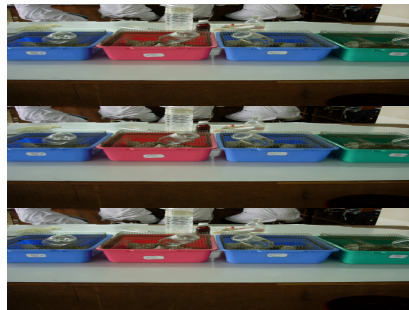
LAMPIRAN 5

FOTO – FOTO PENELITIAN

Alat dan Bahan Penelitian



Hewan Coba



Perlakuan Pada Hewan Coba



Pengamatan Hewan Coba

Introducing



Mounting

