

Lampiran 1. Tabel Pengamatan Berat Badan Mencit (gram) Setiap 3 Hari Selama 16 Hari

No	Kelompok	Hari 4	Hari 7	Hari 10	Hari 13	Hari 16
1	1	37.84	36.26	33.55	32.78	31.56
2	1	32.81	33.75	30.71	29.10	28.90
3	1	35.93	35.20	31.49	31.40	31.00
4	1	34.92	33.67	31.86	32.60	31.89
5	1	28.17	28.11	27.22	28.11	27.89
Rata-rata		33.93	33.40	30.97	30.80	30.25
1	2	28.10	31.48	24.67	24.40	23.91
2	2	36.50	35.75	33.54	31.11	32.31
3	2	38.40	38.70	36.21	35.43	34.68
4	2	33.16	29.50	28.51	27.70	27.11
5	2	29.31	26.56	29.21	28.36	27.85
Rata-rata		33.09	32.40	30.43	29.40	29.17
1	3	35.38	33.34	30.58	30.05	29.87
2	3	32.69	33.93	30.11	30.16	29.98
3	3	32.57	31.84	28.99	26.87	26.80
4	3	38.15	35.85	33.98	31.98	30.15
5	3	30.40	28.78	26.58	26.00	24.88
Rata-rata		33.84	32.75	30.05	29.01	28.34
1	4	37.55	35.78	32.26	32.05	31.87
2	4	31.12	29.68	25.45	25.06	24.69
3	4	30.73	31.73	27.50	27.05	27.11
4	4	34.17	33.29	31.73	29.65	28.60
5	4	27.71	28.15	26.75	30.03	25.15
Rata-rata		32.26	31.73	28.74	28.77	27.48
1	5	31.74	32.30	32.33	33.03	32.89
2	5	30.44	32.65	34.16	33.00	33.75
3	5	34.51	32.96	30.79	34.01	33.76
4	5	40.33	38.64	36.16	34.65	28.98
5	5	28.94	28.87	28.98	29.06	31.15
Rata-rata		33.19	33.08	32.48	32.75	32.11

Lampiran 2. Perhitungan Dosis Ekstrak Air Daun Jati Belanda

Dosis serbuk daun jati belanda pada tikus adalah 1,065 gram.

Dosis ekstrak air daun jati belanda pada tikus adalah 101,377 gram.

Dosis serbuk jati belanda yang di gunakan pada percobaan dengan serbuk adalah 0,357 gram, 0,714 gram dan 1,089 gram per tikus dengan berat badan 200 gram/hari.

Dosis ekstrak air daun jati belanda pada tikus 200 gram adalah :

$$(101,377 \text{ gram} / 1,065 \text{ gram}) \times 0,357 \text{ gram} = 0,0333 \text{ gram}$$

$$(101,377 \text{ gram} / 1,065 \text{ gram}) \times 0,714 \text{ gram} = 0,0678 \text{ gram}$$

$$(101,377 \text{ gram} / 1,065 \text{ gram}) \times 1,089 \text{ gram} = 0,1035 \text{ gram}$$

Dosis ekstrak air daun jati belanda untuk mencit 20 gram adalah :

Konversi dosis tikus ke dosis mencit = 0,14

$$\text{Dosis I} = 0,0333 \times 0,14 = 0,0047 \text{ gram}$$

$$\text{Dosis II} = 0,0678 \times 0,14 = 0,0095 \text{ gram}$$

$$\text{Dosis III} = 0,1089 \times 0,14 = 0,0152 \text{ gram}$$

Dosis ekstrak air daun jati belanda per gram nya adalah :

$$(1000 / 20) \times 0,0047 = 0,235 \text{ gram} = 235 \text{ mg} / \text{kgBB}$$

$$(1000 / 20) \times 0,0095 = 0,475 \text{ gram} = 475 \text{ mg} / \text{kgBB}$$

$$(1000 / 20) \times 0,0152 = 0,760 \text{ gram} = 760 \text{ mg} / \text{kgBB}$$

Dosis ekstrak air daun jati belanda untuk mencit 30 gram adalah :

$$\text{Dosis I} = (30 \text{ g} / 20 \text{ g}) \times 0,0047 \text{ gram} = 0,0070 \text{ gram}$$

$$\text{Dosis II} = (30 \text{ g} / 20 \text{ g}) \times 0,0095 \text{ gram} = 0,0142 \text{ gram}$$

$$\text{Dosis III} = (30 \text{ g} / 20 \text{ g}) \times 0,0152 \text{ gram} = 0,0228 \text{ gram}$$

Pemberian ekstrak

Dibuat 20 ml dosis III :

$$(20 / 0,5) \times 0,0228 \text{ gram} = 0,912 \text{ gram} / 20 \text{ ml aquadest}$$

Dosis II dibuat 10 ml :

$$(0,0142 / 0,0228) \times 10 = 6,23 \text{ ml dosis III} + 3,77 \text{ ml aquadest}$$

$$\text{Dosis II} = 6,23 \times 0,0228 \text{ gram} = 0,1420 \text{ gram/10ml aquadest}$$

Dosis I dibuat 10 ml :

$$(0,0070 / 0,0228) \times 10 = 3,07 \text{ ml dosis III} + 6,91 \text{ ml aquadest}$$

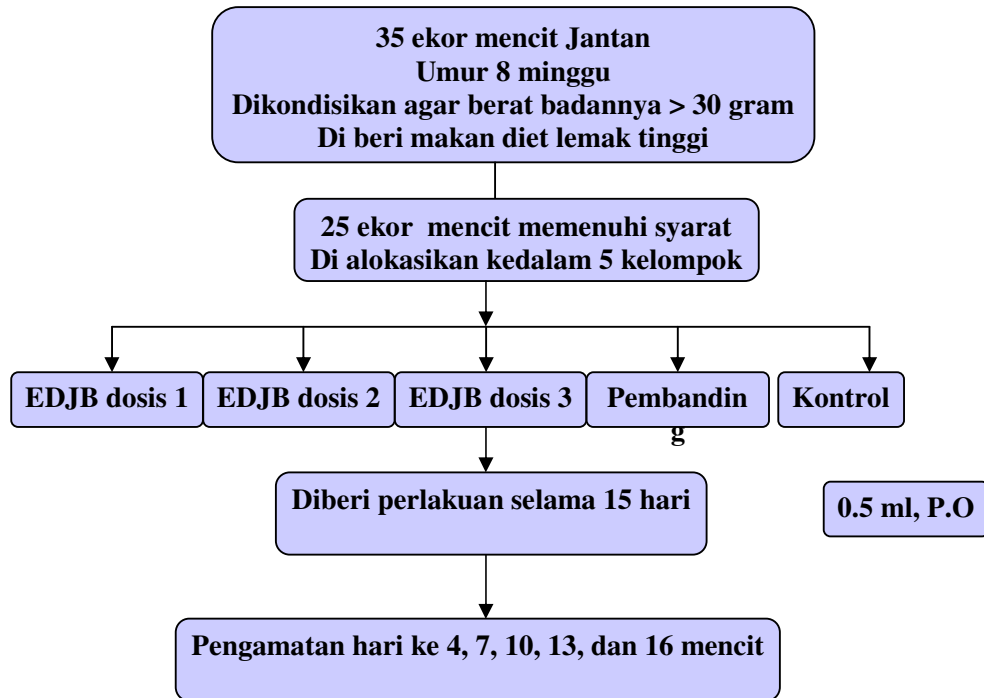
$$\text{Dosis I} = 3,07 \times 0,0228 \text{ gram} = 0,0699 \text{ gram/10 ml aquadest}$$

$$\text{Dosis I} = 0,0699 \text{ gram} / 10\text{ml aquadest} = 0,699 \text{ gram} / 100 \text{ ml aquadest}$$

$$\text{Dosis II} = 0,1420 \text{ gram} / 10\text{ml aquadest} = 1,420 \text{ gram} / 100 \text{ ml aquadest}$$

$$\text{Dosis III} = 0,9120 \text{ gram} / 20 \text{ ml aquadest} = 4,56 \text{ gram} / 100 \text{ ml aquadest}$$

Lampiran 3. Skema Alur Kerja Penelitian



Lampiran 4. Analisis Statistik Berat Badan Awal

Oneway**Descriptives**

berat badan awal								
	N	Mean	Std. Deviation	Std. Error	95% Confidence Interval for Mean		Minimum	Maximum
					Lower Bound	Upper Bound		
1	6	29,8250	,78635	,32103	28,9998	30,6502	28,82	30,84
2	6	29,4533	2,14959	,87757	27,1975	31,7092	27,13	32,73
3	6	30,1900	2,33987	,95525	27,7345	32,6455	28,02	34,14
4	6	27,3417	1,47936	,60394	25,7892	28,8942	25,96	29,44
Total	24	29,2025	2,01993	,41232	28,3496	30,0554	25,96	34,14

Test of Homogeneity of Variances

berat badan awal				
Levene Statistic	df1	df2	Sig.	
2,573	3	20	,083	

ANOVA

berat badan awal						
	Sum of Squares	df	Mean Square	F	Sig.	
Between Groups	29,330	3	9,777	3,031	,053	
Within Groups	64,513	20	3,226			
Total	93,843	23				

Post Hoc Tests

Multiple Comparisons

Dependent Variable: berat badan awal

Tukey HSD

(I) kelompok hewan coba	(J) kelompok hewan coba	Mean			95% Confidence Interval	
		Difference (I-J)	Std. Error	Sig.	Lower Bound	Upper Bound
1	1					
	2	,37167	1,03693	,984	-2,5306	3,2740
	3	-,36500	1,03693	,985	-3,2673	2,5373
	4	2,48333	1,03693	,110	-,4190	5,3856
2	1	-,37167	1,03693	,984	-3,2740	2,5306
	2					
	3	-,73667	1,03693	,892	-3,6390	2,1656
	4	2,11167	1,03693	,208	-,7906	5,0140
3	1	,36500	1,03693	,985	-2,5373	3,2673
	2	,73667	1,03693	,892	-2,1656	3,6390
	3					
	4	2,84833	1,03693	,056	-,0540	5,7506
4	1	-2,48333	1,03693	,110	-5,3856	,4190
	2	-2,11167	1,03693	,208	-5,0140	,7906
	3	-2,84833	1,03693	,056	-5,7506	,0540
	4					

Homogeneous Subsets

berat badan awal

Tukey HSD^a

kelompok hewan coba	N	Subset for
		alpha = .05
4	6	1 27,3417
2	6	1 29,4533
1	6	1 29,8250
3	6	1 30,1900
Sig.		,056

Means for groups in homogeneous subsets are displayed.

a. Uses Harmonic Mean Sample Size = 6,000.

Lampiran 5. Analisis Statistik Persentase Perubahan Berat Badan Mencit

General Linear Model

Between-Subjects Factors			
	Value	Label	N
Kelompok	1.00	Kelompok I	5
	2.00	Kelompok II	5
	3.00	Kelompok III	5
	4.00	Kelompok IV	5
	5.00	Kelompok V	5

Multivariate Tests^a							
Effect		Value	F	Hypothesis df	Error df	Sig.	Partial Eta Squared
Kelompok	Pillai's Trace	.633	.714	20.000	76.000	.800	.158
	Wilks' Lambda	.441	.757	20.000	54.016	.750	.185
	Hotelling's Trace	1.106	.802	20.000	58.000	.701	.217
	Roy's Largest Root	.940	3.573 ^b	5.000	19.000	.019	.485

a. Exact statistic

b. The statistic is an upper bound on F that yields a lower bound on the significance level.

c. Design: Kelompok

Descriptive Statistics

	Kelompok	Mean	Std. Deviation	N
persen4	Kelompok I	.004796	.0881058	5
	Kelompok II	-.015231	.1671223	5
	Kelompok III	.014380	.1587467	5
	Kelompok IV	-.029731	.1802750	5
	Kelompok V	-.010451	.1704172	5
	Total	-.007247	.1437153	25
persen7	Kelompok I	-.010988	.0694825	5
	Kelompok II	-.030910	.2019923	5
	Kelompok III	-.017808	.1508236	5
	Kelompok IV	-.047254	.1542751	5
	Kelompok V	-.016541	.1267205	5
	Total	-.024700	.1349673	25
persen10	Kelompok I	-.082000	.0586691	5
	Kelompok II	-.096009	.1575173	5
	Kelompok III	-.098549	.1461984	5
	Kelompok IV	-.138997	.1334138	5
	Kelompok V	-.036829	.0794918	5
	Total	-.090477	.1158273	25
persen13	Kelompok I	-.085095	.0814845	5
	Kelompok II	-.126713	.1442564	5
	Kelompok III	-.130788	.1300259	5
	Kelompok IV	-.140872	.1054893	5
	Kelompok V	-.026243	.1005212	5
	Total	-.101942	.1131431	25
persen16	Kelompok I	-.100975	.0800229	5
	Kelompok II	-.132941	.1525464	5
	Kelompok III	-.151039	.1235770	5
	Kelompok IV	-.175274	.1377987	5
	Kelompok V	-.045212	.0999617	5
	Total	-.121088	.1201356	25

Tests of Between-Subjects Effects

Source	Dependent Variable	Type III Sum of Squares	df	Mean Square	F	Sig.	Partial Eta Squared
Corrected Model	persen4	.006 ^a	4	.001	.061	.993	.012
	persen7	.004 ^b	4	.001	.049	.995	.010
	persen10	.027 ^c	4	.007	.458	.766	.084
	persen13	.045 ^d	4	.011	.855	.507	.146
	persen16	.051 ^e	4	.013	.857	.506	.146
Intercept	persen4	.001	1	.001	.054	.819	.003
	persen7	.015	1	.015	.705	.411	.034
	persen10	.205	1	.205	13.875	.001	.410
	persen13	.260	1	.260	19.805	.000	.498
	persen16	.367	1	.367	24.792	.000	.553
Kelompok	persen4	.006	4	.001	.061	.993	.012
	persen7	.004	4	.001	.049	.995	.010
	persen10	.027	4	.007	.458	.766	.084
	persen13	.045	4	.011	.855	.507	.146
	persen16	.051	4	.013	.857	.506	.146
Error	persen4	.490	20	.024			
	persen7	.433	20	.022			
	persen10	.295	20	.015			
	persen13	.262	20	.013			
	persen16	.296	20	.015			
Total	persen4	.497	25				
	persen7	.452	25				
	persen10	.527	25				
	persen13	.567	25				
	persen16	.713	25				
Corrected Total	persen4	.496	24				
	persen7	.437	24				
	persen10	.322	24				
	persen13	.307	24				
	persen16	.346	24				

a. R Squared = .012 (Adjusted R Squared = -.186)

b. R Squared = .010 (Adjusted R Squared = -.188)

c. R Squared = .084 (Adjusted R Squared = -.099)

d. R Squared = .146 (Adjusted R Squared = -.025)

e. R Squared = .146 (Adjusted R Squared = -.024)

Levene's Test of Equality of Error Variances^a

	F	df1	df2	Sig.
persen4	.459	4	20	.765
persen7	1.149	4	20	.362
persen10	1.570	4	20	.221
persen13	.653	4	20	.632
persen16	.767	4	20	.559

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

a. Design: Intercept+Kelompok

Post Hoc Tests

Kelompok

Multiple Comparisons

LSD

Dependent Variable	(I) Kelompok	(J) Kelompok	Mean Difference (I-J)	Std. Error	Sig.
persen4	Kelompok I	Kelompok II	.020026	.0989683	.842
		Kelompok III	-.009584	.0989683	.924
		Kelompok IV	.034527	.0989683	.731
		Kelompok V	.015247	.0989683	.879
		Kelompok II	-.020026	.0989683	.842
	Kelompok II	Kelompok I	-.020026	.0989683	.842
		Kelompok III	-.029611	.0989683	.768
		Kelompok IV	.014501	.0989683	.885
		Kelompok V	-.004780	.0989683	.962
		Kelompok III	.009584	.0989683	.924
	Kelompok III	Kelompok I	.009584	.0989683	.924
		Kelompok II	.029611	.0989683	.768
		Kelompok IV	.044112	.0989683	.661
		Kelompok V	.024831	.0989683	.804
		Kelompok IV	-.034527	.0989683	.731
	Kelompok IV	Kelompok I	-.034527	.0989683	.731
		Kelompok II	-.014501	.0989683	.885
		Kelompok III	-.044112	.0989683	.661
		Kelompok V	-.019280	.0989683	.848
		Kelompok V	-.015247	.0989683	.879
Kelompok V	Kelompok I	-.015247	.0989683	.879	
	Kelompok II	.004780	.0989683	.962	

		Kelompok III	-.024831	.0989683	.804
		Kelompok IV	.019280	.0989683	.848
persen7	Kelompok I	Kelompok II	.019923	.0930528	.833
		Kelompok III	.006821	.0930528	.942
		Kelompok IV	.036266	.0930528	.701
		Kelompok V	.005553	.0930528	.953
	Kelompok II	Kelompok I	-.019923	.0930528	.833
		Kelompok III	-.013102	.0930528	.889
		Kelompok IV	.016344	.0930528	.862
		Kelompok V	-.014369	.0930528	.879
	Kelompok III	Kelompok I	-.006821	.0930528	.942
		Kelompok II	.013102	.0930528	.889
		Kelompok IV	.029446	.0930528	.755
		Kelompok V	-.001268	.0930528	.989
	Kelompok IV	Kelompok I	-.036266	.0930528	.701
		Kelompok II	-.016344	.0930528	.862
		Kelompok III	-.029446	.0930528	.755
		Kelompok V	-.030713	.0930528	.745
	Kelompok V	Kelompok I	-.005553	.0930528	.953
		Kelompok II	.014369	.0930528	.879
		Kelompok III	.001268	.0930528	.989
		Kelompok IV	.030713	.0930528	.745
persen10	Kelompok I	Kelompok II	.014010	.0768093	.857
		Kelompok III	.016549	.0768093	.832
		Kelompok IV	.056998	.0768093	.467
		Kelompok V	-.045170	.0768093	.563
	Kelompok II	Kelompok I	-.014010	.0768093	.857
		Kelompok III	.002540	.0768093	.974
		Kelompok IV	.042988	.0768093	.582
		Kelompok V	-.059180	.0768093	.450
	Kelompok III	Kelompok I	-.016549	.0768093	.832
		Kelompok II	-.002540	.0768093	.974
		Kelompok IV	.040448	.0768093	.604
		Kelompok V	-.061719	.0768093	.431
	Kelompok IV	Kelompok I	-.056998	.0768093	.467
		Kelompok II	-.042988	.0768093	.582

		Kelompok III	-.040448	.0768093	.604
		Kelompok V	-.102168	.0768093	.198
	Kelompok V	Kelompok I	.045170	.0768093	.563
		Kelompok II	.059180	.0768093	.450
		Kelompok III	.061719	.0768093	.431
		Kelompok IV	.102168	.0768093	.198
persen13	Kelompok I	Kelompok II	.041618	.0724369	.572
		Kelompok III	.045693	.0724369	.535
		Kelompok IV	.055777	.0724369	.450
		Kelompok V	-.058852	.0724369	.426
	Kelompok II	Kelompok I	-.041618	.0724369	.572
		Kelompok III	.004075	.0724369	.956
		Kelompok IV	.014159	.0724369	.847
		Kelompok V	-.100470	.0724369	.181
	Kelompok III	Kelompok I	-.045693	.0724369	.535
		Kelompok II	-.004075	.0724369	.956
		Kelompok IV	.010084	.0724369	.891
		Kelompok V	-.104545	.0724369	.164
	Kelompok IV	Kelompok I	-.055777	.0724369	.450
		Kelompok II	-.014159	.0724369	.847
		Kelompok III	-.010084	.0724369	.891
		Kelompok V	-.114629	.0724369	.129
	Kelompok V	Kelompok I	.058852	.0724369	.426
		Kelompok II	.100470	.0724369	.181
		Kelompok III	.104545	.0724369	.164
		Kelompok IV	.114629	.0724369	.129
persen16	Kelompok I	Kelompok II	.031967	.0769031	.682
		Kelompok III	.050065	.0769031	.522
		Kelompok IV	.074299	.0769031	.346
		Kelompok V	-.055763	.0769031	.477
	Kelompok II	Kelompok I	-.031967	.0769031	.682
		Kelompok III	.018098	.0769031	.816
		Kelompok IV	.042333	.0769031	.588
		Kelompok V	-.087729	.0769031	.267
	Kelompok III	Kelompok I	-.050065	.0769031	.522
		Kelompok II	-.018098	.0769031	.816

		Kelompok IV	.024235	.0769031	.756
		Kelompok V	-.105827	.0769031	.184
	Kelompok IV	Kelompok I	-.074299	.0769031	.346
		Kelompok II	-.042333	.0769031	.588
		Kelompok III	-.024235	.0769031	.756
		Kelompok V	-.130062	.0769031	.106
	Kelompok V	Kelompok I	.055763	.0769031	.477
		Kelompok II	.087729	.0769031	.267
		Kelompok III	.105827	.0769031	.184
		Kelompok IV	.130062	.0769031	.106

Based on observed means.