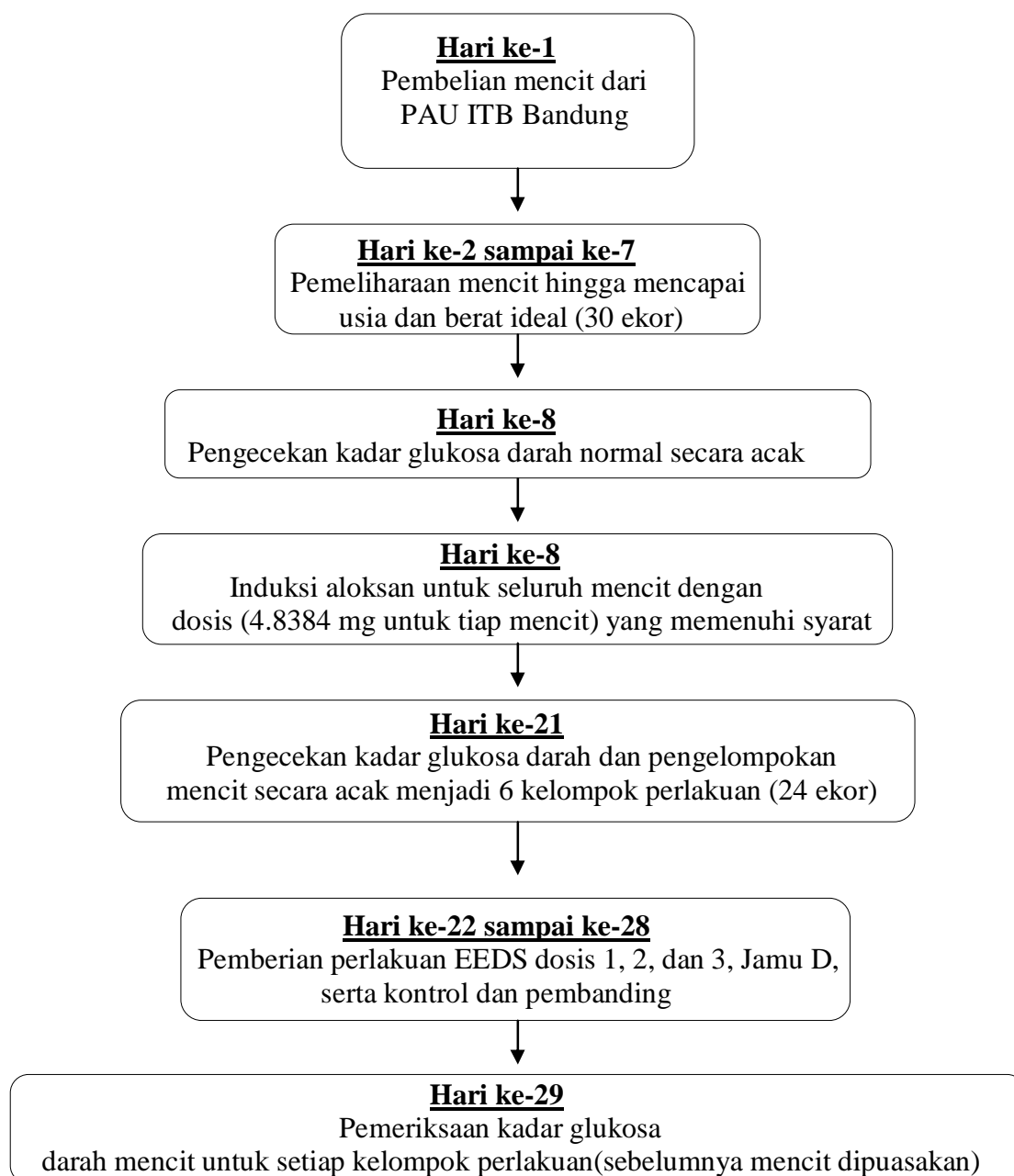


Lampiran 1: Data Sebelum Dan Sesudah Perlakuan

Kelompok Perlakuan (n = 4)	Kadar Glukosa Darah Puasa (mg%)			Persentase penurunan (%)
	Setelah Induksi Aloksan	Setelah Perlakuan	Penurunan	
I	211	51	160	75.83
	163	62	101	61.96
	140	62	78	55.71
	453	135	318	70.20
Rerata	241.75	77.50	164.25	65.93
II	146	181	-35	-23.97
	244	225	19	7.79
	181	197	-16	-8.84
	434	354	80	18.43
Rerata	251.25	239.25	12.00	-1.65
III	152	63	89	58.55
	432	129	303	70.14
	200	71	129	64.50
	260	69	191	73.46
Rerata	261.00	83.00	178.00	66.66
IV	169	160	9	5.33
	205	180	25	12.20
	224	197	27	12.05
	174	144	30	17.24
Rerata	193.00	170.25	22.75	11.70
V	127	55	72	56.69
	158	93	65	41.14
	179	120	59	32.96
	211	66	145	68.72
Rerata	168.75	83.50	85.25	49.88
VI	210	67	143	68.10
	424	71	353	83.25
	152	86	66	43.42
	173	96	77	44.51
Rerata	239.75	80.00	159.75	59.82

Lampiran 2: Rencana Kerja Penelitian

Lampiran 3: Perhitungan Dosis

1. Dosis Aloksan

Dosis aloksan pada tikus = 120 mg/ kgBB tikus

Faktor konversi tikus 200 gr ke mencit 20 gr = 0.14

$$\begin{aligned} \text{à untuk tikus 200 gr} &= 200 / 1000 \times 120 \text{ mg} \\ &= 24 \text{ mg} \end{aligned}$$

$$\begin{aligned} \text{à untuk mencit 20 gr} &= 24 \text{ mg} \times 0.14 \\ &= 3.36 \text{ mg} \end{aligned}$$

$$\begin{aligned} \text{Dosis untuk 1 kg BB mencit} &= 1000 / 20 \times 3.36 \text{ mg} \\ &= \mathbf{168 \text{ mg/ kg BB mencit}} \end{aligned}$$

Rata-rata BB mencit = 28.8 gr

$$\begin{aligned} \text{Dosis Aloksan untuk mencit 28.8 gr} &= 28.8 / 20 \times 3.36 \text{ mg} \\ &= 4.8384 \text{ mg untuk tiap mencit.} \end{aligned}$$

Volume maksimal untuk penyuntikan intravena mencit: 0,1 ml

$$\begin{aligned} &4.8384 \text{ mg/ 0,1 ml} \\ &\mathbf{48.384 \text{ mg/ ml}} \end{aligned}$$

2. Dosis Glibenklamid

Dosis Glibenklamid untuk manusia = 5 mg

Faktor konversi dosis manusia ke mencit dengan berat badan 20 gr = 0.0026

$$\begin{aligned} \text{à Untuk mencit 20 gram} &= 5 \text{ mg} \times 0.0026 \\ &= 0.013 \text{ mg} \end{aligned}$$

$$\begin{aligned} \text{Dosis untuk 1 kg BB mencit} &= 1000 / 20 \times 0.013 \text{ mg} \\ &= \mathbf{0.65 \text{ mg/ kg BB mencit}} \end{aligned}$$

3. Dosis Jamu D

Jamu D à 1 kapsul = 500 mg

$$\begin{aligned} \text{Dosis pemakaian Jamu D untuk manusia} &= 1 \text{ hari 3 kali} \\ &= 3 \times 500 \text{ mg} \\ &= 1500 \text{ mg} \end{aligned}$$

Faktor konversi dosis manusia ke mencit dengan berat badan 20 gr = 0.0026

$$\begin{aligned} \text{à Untuk mencit 20 gram} &= 1500 \text{ mg} \times 0.0026 \\ &= 3.9 \text{ mg} \end{aligned}$$

$$\begin{aligned} \text{Dosis untuk 1 kg BB mencit} &= 1000 / 20 \times 3.9 \text{ mg} \\ &= \mathbf{195 \text{ mg/ kg BB mencit}} \end{aligned}$$

Rata-rata BB mencit = 28.8 gr

$$\begin{aligned} \text{Dosis Jamu D untuk mencit 28.8 gr} &= 28.8 / 20 \times 3.9 \text{ mg} \\ &= \mathbf{5.616 \text{ mg}} \end{aligned}$$

4. Dosis Ekstrak Etanol Daun Sambiloto (Andrographidis Folium)

Jamu D à 1 kapsul = 500 mg

Andrographidis Folium yang terdapat dalam Jamu D = 30%

$$= 30 / 100 \times 500 \text{ mg}$$

$$= 150 \text{ mg}$$

Dosis pemakaian Jamu D untuk manusia = 1 hari 3 kali

$$= 3 \times 150 \text{ mg}$$

$$= 450 \text{ mg}$$

Faktor konversi dosis manusia ke mencit dengan berat badan 20 gr = 0.0026

$$\begin{aligned} \text{à Untuk mencit 20 gram} &= 450 \text{ mg} \times 0.0026 \\ &= 1.17 \text{ mg} \end{aligned}$$

Dosis EEDS untuk hewan coba:

$$\text{Dosis 1} = \mathbf{29.25 \text{ mg/ kg BB}}$$

$$\text{Dosis 2} = \mathbf{58.5 \text{ mg/ kg BB}}$$

$$\text{Dosis 3} = \mathbf{117 \text{ mg/ kg BB}}$$

Rata-rata BB mencit = 28.8 gr

Dosis EEDS untuk mencit 28.8 gr

$$\begin{aligned} \text{EEDS dosis 2} &= 28.8 / 20 \times 1.17 \text{ mg} \\ &= \mathbf{1.6848 \text{ mg}} \end{aligned}$$

$$\begin{aligned} \text{EEDS dosis 1} &= 0.5 \times \text{EEDS dosis 2} \\ &= 0.5 \times 1.6848 \text{ mg} \\ &= \mathbf{0.8424 \text{ mg}} \end{aligned}$$

$$\begin{aligned}\text{EEDS dosis 3} &= 2 \times \text{EEDS dosis 2} \\ &= 2 \times 1.6848 \text{ mg} \\ &= \mathbf{3.3696 \text{ mg}}\end{aligned}$$

Lampiran 4: Hasil Uji Statistik

1. Kadar Glukosa Darah Sesudah Induksi Aloksan

Descriptives

Kadar Glukosa Darah sesudah Induksi Aloksan								
	N	Mean	Std. Deviation	Std. Error	95% Confidence Interval for Mean		Minimum	Maximum
					Lower Bound	Upper Bound		
Kelompok I	4	241.75	143.906	71.953	12.76	470.74	140	453
Kelompok II	4	251.25	128.404	64.202	46.93	455.57	146	434
Kelompok III	4	261.00	122.262	61.131	66.45	455.55	152	432
Kelompok IV	4	193.00	26.090	13.045	151.49	234.51	169	224
Kelompok V	4	168.75	35.349	17.675	112.50	225.00	127	211
Kelompok VI	4	239.75	125.152	62.576	40.61	438.89	152	424
Total	24	225.92	101.270	20.672	183.15	268.68	127	453

Test of Homogeneity of Variances

Kadar Glukosa Darah sesudah Induksi Aloksan			
Levene Statistic	df1	df2	Sig.
1.527	5	18	.231

ANOVA

Kadar Glukosa Darah sesudah Induksi Aloksan					
	Sum of Squares	df	Mean Square	F	Sig.
Between Groups	26664.833	5	5332.967	.459	.802
Within Groups	209213.000	18	11622.944		
Total	235877.833	23			

Kadar Glukosa Darah sesudah Induksi Aloksan

Tukey HSD ^a		
	N	Subset for alpha = .05
Kelompok perlakuan		1
Kelompok V	4	168.75
Kelompok IV	4	193.00
Kelompok VI	4	239.75
Kelompok I	4	241.75
Kelompok II	4	251.25
Kelompok III	4	261.00
Sig.		.826

Means for groups in homogeneous subsets are displayed.

a. Uses Harmonic Mean Sample Size = 4.000.

2. Hasil Persentase Penurunan Kadar Glukosa Darah

Descriptives

Persentase Penurunan Kadar Glukosa Darah								
	N	Mean	Std. Deviation	Std. Error	95% Confidence Interval for Mean		Minimum	Maximum
					Lower Bound	Upper Bound		
EEDS do 1	4	65.9264	8.87535	4.43768	51.8037	80.0491	55.71	75.83
EEDS do 2	4	-1.6481	18.64028	9.32014	-31.3089	28.0128	-23.97	18.43
EEDS do 3	4	66.6633	6.55130	3.27565	56.2387	77.0878	58.55	73.46
Kontrol negatif	4	11.7039	4.88917	2.44459	3.9241	19.4836	5.33	17.24
Glibenklamid	4	49.8784	15.95862	7.97931	24.4846	75.2721	32.96	68.72
Jamu D	4	59.8199	19.33070	9.66535	29.0605	90.5794	43.42	83.25
Total	24	42.0573	30.14289	6.15289	29.3291	54.7855	-23.97	83.25

Test of Homogeneity of Variances

Persentase Penurunan Kadar Glukosa Darah			
Levene Statistic	df1	df2	Sig.
4.278	5	18	.010

ANOVA

Persentase Penurunan Kadar Glukosa Darah					
	Sum of Squares	df	Mean Square	F	Sig.
Between Groups	17533.426	5	3506.685	18.762	.000
Within Groups	3364.227	18	186.902		
Total	20897.653	23			

Persentase Penurunan Kadar Glukosa Darah

Tukey HSD^a

Kelompok perlakuan	N	Subset for alpha = .05	
		1	2
EEDS do 2	4	-1.6481	
Kontrol negatif	4	11.7039	
Glibenklamid	4		49.8784
Jamu D	4		59.8199
EEDS do 1	4		65.9264
EEDS do 3	4		66.6633
Sig.		.737	.527

Means for groups in homogeneous subsets are displayed.

a. Uses Harmonic Mean Sample Size = 4.000.

Multiple Comparisons

Dependent Variable: Persentase Penurunan Kadar Glukosa Darah
Tukey HSD

(I) Kelompok perlakuan	(J) Kelompok perlakuan	Mean Difference (I-J)	Std. Error	Sig.	95% Confidence Interval	
					Lower Bound	Upper Bound
EEDS do 1	EEDS do 2	67.57446*	9.66699	.000	36.8524	98.2965
	EEDS do 3	-.73688	9.66699	1.000	-31.4589	29.9852
	Kontrol negatif	54.22250*	9.66699	.000	23.5005	84.9445
	Glibenklamid	16.04803	9.66699	.573	-14.6740	46.7701
	Jamu D	6.10646	9.66699	.987	-24.6156	36.8285
EEDS do 2	EEDS do 1	-67.57446*	9.66699	.000	-98.2965	-36.8524
	EEDS do 3	-68.31134*	9.66699	.000	-99.0334	-37.5893
	Kontrol negatif	-13.35196	9.66699	.737	-44.0740	17.3701
	Glibenklamid	-51.52644*	9.66699	.001	-82.2485	-20.8044
	Jamu D	-61.46800*	9.66699	.000	-92.1900	-30.7460
EEDS do 3	EEDS do 1	.73688	9.66699	1.000	-29.9852	31.4589
	EEDS do 2	68.31134*	9.66699	.000	37.5893	99.0334
	Kontrol negatif	54.95939*	9.66699	.000	24.2373	85.6814
	Glibenklamid	16.78491	9.66699	.527	-13.9371	47.5069
	Jamu D	6.84335	9.66699	.979	-23.8787	37.5654
Kontrol negatif	EEDS do 1	-54.22250*	9.66699	.000	-84.9445	-23.5005
	EEDS do 2	13.35196	9.66699	.737	-17.3701	44.0740
	EEDS do 3	-54.95939*	9.66699	.000	-85.6814	-24.2373
	Glibenklamid	-38.17448*	9.66699	.010	-68.8965	-7.4524
	Jamu D	-48.11604*	9.66699	.001	-78.8381	-17.3940
Glibenklamid	EEDS do 1	-16.04803	9.66699	.573	-46.7701	14.6740
	EEDS do 2	51.52644*	9.66699	.001	20.8044	82.2485
	EEDS do 3	-16.78491	9.66699	.527	-47.5069	13.9371
	Kontrol negatif	38.17448*	9.66699	.010	7.4524	68.8965
	Jamu D	-9.94156	9.66699	.902	-40.6636	20.7805
Jamu D	EEDS do 1	-6.10646	9.66699	.987	-36.8285	24.6156
	EEDS do 2	61.46800*	9.66699	.000	30.7460	92.1900
	EEDS do 3	-6.84335	9.66699	.979	-37.5654	23.8787
	Kontrol negatif	48.11604*	9.66699	.001	17.3940	78.8381
	Glibenklamid	9.94156	9.66699	.902	-20.7805	40.6636

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

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