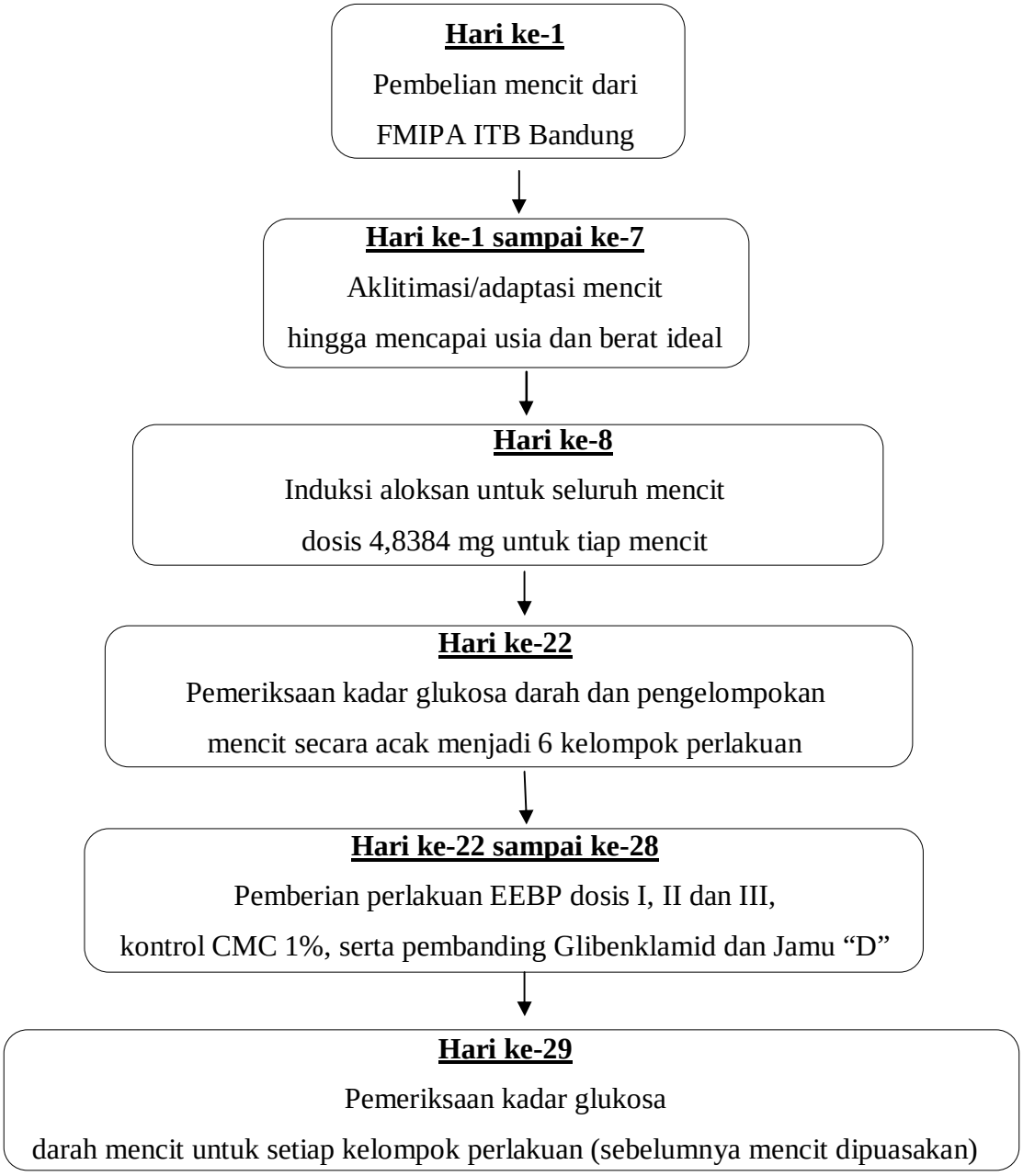
Lampiran 1: Rencana Kerja Penelitian



Lampiran 2 : Perhitungan Dosis

1. Dosis Aloksan

Dosis aloksan pada tikus = 120 mg/ kgBB tikus

Faktor konversi tikus 200 gr ke mencit 20 gr = 0,14

à untuk tikus 200 gr = 200 / 1000 x 120 mg
= 24 mg

à untuk mencit 20 gr = 24 mg x 0,14
= 3,36 mg

Dosis untuk 1 kg BB mencit = 1000 / 20 x 3,36 mg
= **168 mg/ kg BB mencit**

Rata-rata BB mencit = 28,8 gr

Dosis Aloksan untuk mencit 28,8 gr = 28,8 / 20 x 3,36 mg
= 4,8384 mg untuk tiap mencit.

Volume maksimal untuk penyuntikan intravena mencit: 0,1 ml

→ 4,8384 mg/ 0,1 ml

→ **48,384 mg/ ml**

2. Dosis Glibenklamid

Dosis Glibenklamid untuk manusia = 5 mg

Faktor konversi dosis manusia ke mencit dengan berat badan ± 20 gr = 0,0026

à Untuk mencit 20 gram = 5 mg x 0,0026
= 0,013 mg

Dosis untuk 1 kg BB mencit = 1000 / 20 x 0,013 mg
= 0,65 mg/ kg BB mencit

3. Dosis Jamu "D"

Jamu "D" à 1 kapsul = 500 mg

Dosis pemakaian Jamu "D" untuk manusia = 1 hari 3 kali

= 3 x 500 mg

= 1500 mg

Faktor konversi dosis manusia ke mencit dengan berat badan ± 20 gr = 0,0026

à Untuk mencit 20 gram = 1500 mg x 0,0026

= 3,9 mg

Dosis untuk 1 kg BB mencit = 1000 / 20 x 3,9 mg

= **195 mg/ kg BB mencit**

Rata-rata BB mencit = 28,8 gr

Dosis Jamu "D" untuk mencit 28,8 gr = 28,8 / 20 x 3,9 mg

= **5,616 mg**

4. Dosis Ekstrak Etanol Buah Pare (*Momordicae Fructus*)

Jamu "D" à 1 kapsul = 500 mg

Momordicae Fructus yang terdapat dalam Jamu "D" = 10%

= 10 / 100 x 500 mg = 50 mg

Dosis pemakaian Jamu "D" untuk manusia = 1 hari 3 kali

= 3 x 50 mg = 150 mg

Faktor konversi dosis manusia ke mencit dengan berat badan ± 20 gr = 0,0026

à Untuk mencit 20 gram = 150 mg x 0,0026 = 0,39 mg

Rata-rata BB mencit = 28.8 gr Dosis EEBP untuk mencit 28.8 gr

EEBP dosis 2 = 28.8 / 20 x 0,39 mg **= 0,5616 mg**

EEBP dosis 1 = 0.5 x EEDS dosis 2 = 0.5 x 0,5616 mg = **0,2808 mg**

EEBP dosis 3 = 2 x EEDS dosis 2 = 2 x 0,5616 mg = **1,1232 mg**

Dosis EEBP untuk hewan coba:

Dosis 1 = 9,75 mg/kgBB mencit

Dosis 2 = 19,5 mg/kgBB mencit

Dosis 3 = 39 mg/kgBB mencit

Lampiran 3 : Hasil Uji Statistik

1. Kadar Glukosa Darah Sesudah Induksi Aloksan

Descriptives

KadarGlukosaDarahSesudahInduksiAloksan

	N	Mean	Std. Deviation	Std. Error	95% Confidence Interval for Mean		Minimum	Maximum
					Lower Bound	Upper Bound		
EEBP dosis 1	4	144.50	17.635	8.818	116.44	172.56	129	167
EEBP dosis 2	4	150.50	15.460	7.730	125.90	175.10	133	164
EEBP dosis 3	4	145.00	24.138	12.069	106.59	183.41	126	178
kontrol CMC 1%	4	189.00	42.135	21.067	121.95	256.05	158	251
Glibenclamide	4	168.75	35.349	17.675	112.50	225.00	127	211
Jamu "D"	4	178.00	23.986	11.993	139.83	216.17	152	210
Total	24	162.63	30.376	6.200	149.80	175.45	126	251

Test of Homogeneity of Variances

KdrGuladhsblmperlakuan

Levene Statistic	df1	df2	Sig.
.998	5	18	.447

ANOVA

KdrGuladhsblmperlakuan

	Sum of squares	df	Mean square	F	Sig.
Between groups	7022.875	5	1404.575	1.781	.168
Within groups	14198.750	18	788.819		
Total	21221.625	23			

KadarGlukosaDarahSesudahInduksiAloksan

Tukey HSD[a]

Perlakuan	N	Subset for alpha = .05
		1
EEBP dosis 1	4	144.50
EEBP dosis 3	4	145.00
EEBP dosis 2	4	150.50
Glibenclamide	4	168.75
Jamu "D"	4	178.00
kontrol CMC 1%	4	189.00
Sig.		.268

Means for groups in homogeneous subsets are displayed.

a. Uses Harmonic Mean Sample Size = 4.000.

2. Persentase Penurunan Kadar Glukosa Darah Sesudah Perlakuan

Descriptives

PersentasePenurunanKGDSesudahPerlakuan

	N	Mean	Std. Deviation	Std. Error	95% Confidence Interval for Mean		Minimum	Maximum
					Lower Bound	Upper Bound		
EEBP dosis 1	4	18.4604	22.28788	11.14394	-17.0046	53.9254	-5.43	47.90
EEBP dosis 2	4	16.5306	17.56524	8.78262	-11.4196	44.4808	.61	41.55
EEBP dosis 3	4	10.1509	5.92675	2.96338	.7201	19.5817	6.35	18.92
kontrol CMC 1%	4	1.3205	11.23537	5.61768	-16.5574	19.1985	-10.13	15.14
Glibenclamide	4	49.8784	15.95862	7.97931	24.4846	75.2721	32.96	68.72
Jamu "D"	4	53.9780	12.04616	6.02308	34.8099	73.1461	43.42	68.10
Total	24	25.0531	24.24218	4.94841	14.8165	35.2897	-10.13	68.72

Test of Homogeneity of Variances

PersentasePenurunanKGDSesudahPerlakuan

Levene Statistic	df1	df2	Sig.
1.010	5	18	.440

ANAVA

PersentasePenurunanKGDSesudahPerlakuan

	Sum of squares	df	Mean square	F	Sig.
Between groups	9417.407	5	1883.481	8.270	.000
Within groups	4099.304	18	227.739		
Total	13516.711	23			

Multiple Comparisons

Dependent Variable: PersentasePenurunanKGDSesudahPerlakuan
Tukey HSD

(I) Perlakuan3	(J) Perlakuan3	Mean Difference (I-J)	Std. Error	Sig.	95% Confidence Interval	
					Lower Bound	Upper Bound
EEBP dosis 1	EEBP dosis 2	1.92978	10.67097	1.000	-31.9829	35.8425
	EEBP dosis 3	8.30951	10.67097	.968	-25.6032	42.2222
	kontrol CMC 1%	17.13984	10.67097	.605	-16.7729	51.0525
	Glibenclamide	-31.41799	10.67097	.079	-65.3307	2.4947
	Jamu "D"	-35.51762*	10.67097	.037	-69.4303	-1.6049
EEBP dosis 2	EEBP dosis 1	-1.92978	10.67097	1.000	-35.8425	31.9829
	EEBP dosis 3	6.37972	10.67097	.990	-27.5330	40.2924
	kontrol CMC 1%	15.21005	10.67097	.712	-18.7027	49.1228
	Glibenclamide	-33.34777	10.67097	.055	-67.2605	.5649
	Jamu "D"	-37.44741*	10.67097	.026	-71.3601	-3.5347
EEBP dosis 3	EEBP dosis 1	-8.30951	10.67097	.968	-42.2222	25.6032
	EEBP dosis 2	-6.37972	10.67097	.990	-40.2924	27.5330
	kontrol CMC 1%	8.83033	10.67097	.958	-25.0824	42.7430
	Glibenclamide	-39.72749*	10.67097	.016	-73.6402	-5.8148
	Jamu "D"	-43.82713*	10.67097	.007	-77.7398	-9.9144
kontrol CMC 1%	EEBP dosis 1	-17.13984	10.67097	.605	-51.0525	16.7729
	EEBP dosis 2	-15.21005	10.67097	.712	-49.1228	18.7027
	EEBP dosis 3	-8.83033	10.67097	.958	-42.7430	25.0824
	Glibenclamide	-48.55783*	10.67097	.003	-82.4705	-14.6451
	Jamu "D"	-52.65746*	10.67097	.001	-86.5702	-18.7448
Glibenclamide	EEBP dosis 1	31.41799	10.67097	.079	-2.4947	65.3307
	EEBP dosis 2	33.34777	10.67097	.055	-.5649	67.2605
	EEBP dosis 3	39.72749*	10.67097	.016	5.8148	73.6402
	kontrol CMC 1%	48.55783*	10.67097	.003	14.6451	82.4705
	Jamu "D"	-4.09964	10.67097	.999	-38.0123	29.8131
Jamu "D"	EEBP dosis 1	35.51762*	10.67097	.037	1.6049	69.4303
	EEBP dosis 2	37.44741*	10.67097	.026	3.5347	71.3601
	EEBP dosis 3	43.82713*	10.67097	.007	9.9144	77.7398
	kontrol CMC 1%	52.65746*	10.67097	.001	18.7448	86.5702
	Glibenclamide	4.09964	10.67097	.999	-29.8131	38.0123

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

PersentasePenurunanKGDSesudahPerlakuan

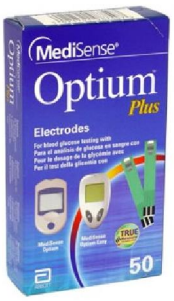
Tukey HSD[a]

Perlakuan3	N	Subset for alpha = .05		
		1	2	3
kontrol CMC 1%	4	1.3205		
EEBP dosis 3	4	10.1509		
EEBP dosis 2	4	16.5306	16.5306	
EEBP dosis 1	4	18.4604	18.4604	
Glibenclamide	4		49.8784	49.8784
Jamu "D"	4			53.9780
Sig.		.605	.055	.999

Means for groups in homogeneous subsets are displayed.

a. Uses Harmonic Mean Sample Size = 4.000.

Lampiran 4 : Gambar



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