

LAMPIRAN 1

Hasil Pemeriksaan Kadar Glukosa Darah Sebelum dan Sesudah Pemberian Infusa Mahkota Dewa (dalam mg/dl)

Variabel Perlakuan	Replikasi	Sebelum	Sesudah
Kelompok 1	1	185	97
	2	223	76
	3	263	89
	4	281	105
	5	213	100
Kelompok 2	1	196	92
	2	236	105
	3	211	96
	4	298	76
	5	264	84
Kelompok 3	1	211	106
	2	236	94
	3	255	126
	4	213	105
	5	155	101
Kontrol Positif	1	139	37
	2	145	62
	3	153	74
	4	142	56
	5	201	75
Kontrol Negatif	1	185	164
	2	165	139
	3	187	113
	4	205	143
	5	198	121

PERHITUNGAN DOSIS

Perhitungan dosis

1. Larutan Glibenklamid

Dosis glibenklamid manusia 70 kg = 10 mg

Konversi dosis manusia ke mencit = 0,0026

Volume lambung mencit = 0,5 cc

Dosis mencit 20 g = 10 mg x 0,0026

$$= 0,026 \text{ mg}$$

Dosis mencit 25 g = (25/20) x 0,026

$$= 0,0325 \text{ mg}$$

Dosis yang diberikan untuk mencit = 0,0325mg/0,5 ml per oral

2. Larutan Aloksan

Dosis aloksan = 120 mg

Dosis mencit 25 g = 25/1000 x 120 mg

$$= 3 \text{ mg}$$

3. Buah mahkota dewa

Konversi dosis manusia 70 kg ke mencit 20 g : 0,0026

Dosis manusia : 5 g

- 1 dosis manusia = 5 g

Dosis mencit 20 g = 5 g x 0,0026

$$= 0,013 \text{ g}$$

Dosis mencit 27,58 g = (27,58/20) x 0,013

$$= 0,018 \text{ g/0,5 cc}$$

- 5 dosis manusia = 25 g

Dosis mencit 20 g = 25 x 0,0026

$$= 0,065 \text{ g}$$

$$\begin{aligned}\text{Dosis mencit } 27,58 \text{ g} &= (27,58/20) \times 0,065 \\ &= 0,09 \text{ g}/0,5 \text{ cc}\end{aligned}$$

- 10 dosis manusia = 50 g

$$\begin{aligned}\text{Dosis mencit } 20 \text{ g} &= 50 \times 0,0026 \\ &= 0,13 \text{ g}\end{aligned}$$

$$\begin{aligned}\text{Dosis mencit } 27,58 \text{ g} &= (27,58/20) \times 0,13 \\ &= 0,18 \text{ g}/0,5 \text{ cc}\end{aligned}$$

LAMPIRAN 2

PERHITUNGAN STATISTIK KOMPUTER

1. Uji Homogenitas Kadar glukosa darah awal

Test of Homogeneity of Variances

Kadar Glukosa Darah Sebelum Perlakuan

Levene Statistic	df1	df2	Sig.
1.236	4	20	.328

2. Kadar glukosa darah akhir sesudah perlakuan

Anava

Descriptives

Kadar Glukosa Darah Sesudah Perlakuan

	N	Mean	Std Deviation	Std. Error	95 % Confidence interval for mean		Minimum	Maximum
					Lower Bound	Upper Bound		
Kelompok 1	5	93.4000	11.32696	5.06557	79.3357	107.4643	76.00	105.00
Kelompok 2	5	90.6000	11.12654	4.97594	76.7846	104.4154	76.00	105.00
Kelompok 3	5	106.4000	11.92896	5.33479	91.5882	121.2118	94.00	126.00
Kontrol positif	5	60.8000	15.54670	6.9572	41.4962	80.1038	37.00	75.00
Kontrol negatif	5	36.0000	19.97498	8.93308	111.1978	160.8022	113.00	164.00
Total	25	97.4400	28.13965	5.62793	85.8245	109.0555	37.00	164.00

ANOVA

Kadar Glukosa Darah Sesudah Perlakuan

	Sum of Squares	df	Mean Square	F	Sig.
Between Groups	14863.760	4	3715.940	17.950	.000
Within Groups	4140.400	20	207.020		
Total	19004.160	24			

Post Hoc Tests

Multiple Comparisons

Dependent Variable: Kadar Glukosa Darah Sesudah Perlakuan

Tukey HSD

(I) Infusa Mahkota Dewa	(J) Infusa Mahkota Dewa	Mean Difference (I-J)	Std. Error	Sig.	95% Confidence Interval	
					Lower Bound	Upper Bound
Kelompok 1	Kelompok 2	2.8000	9.09989	.998	-24.4303	30.0303
	Kelompok 3	-13.0000	9.09989	.617	-40.2303	14.2303
	Kontrol positif	32.6000*	9.09989	.014	5.3697	59.8303
	kontrol negatif	-42.6000*	9.09989	.001	-69.8303	-15.3697
Kelompok 2	Kelompok 1	-2.8000	9.09989	.998	-30.0303	24.4303
	Kelompok 3	-15.8000	9.09989	.436	-43.0303	11.4303
	Kontrol positif	29.8000*	9.09989	.028	2.5697	57.0303
	kontrol negatif	-45.4000*	9.09989	.001	-72.6303	-18.1697
Kelompok 3	Kelompok 1	13.0000	9.09989	.617	-14.2303	40.2303
	Kelompok 2	15.8000	9.09989	.436	-11.4303	43.0303
	Kontrol positif	45.6000*	9.09989	.001	18.3697	72.8303
	kontrol negatif	-29.6000*	9.09989	.029	-56.8303	-2.3697
Kontrol positif	Kelompok 1	-32.6000*	9.09989	.014	-59.8303	-5.3697
	Kelompok 2	-29.8000*	9.09989	.028	-57.0303	-2.5697
	Kelompok 3	-45.6000*	9.09989	.001	-72.8303	-18.3697
	kontrol negatif	-75.2000*	9.09989	.000	-102.4303	-47.9697
kontrol negatif	Kelompok 1	42.6000*	9.09989	.001	15.3697	69.8303
	Kelompok 2	45.4000*	9.09989	.001	18.1697	72.6303
	Kelompok 3	29.6000*	9.09989	.029	2.3697	56.8303
	Kontrol positif	75.2000*	9.09989	.000	47.9697	102.4303

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

Homogeneous Subsets

Kadar Glukosa Darah Sesudah Perlakuan

Tukey HSD^a

Infusa Mahkota Dewa	N	Subset for alpha = .05		
		1	2	3
Kontrol positif	5	60.8000		
Kelompok 2	5		90.6000	
Kelompok 1	5		93.4000	
Kelompok 3	5		106.4000	
kontrol negatif	5			136.0000
Sig.		1.000	.436	1.000

Means for groups in homogeneous subsets are displayed.

a. Uses Harmonic Mean Sample Size = 5.000.

3. Persentase penurunan kadar glukosa darah

Anava

Descriptives

Penurunan kadar Glukosa darah (%)

	N	Mean	Std Deviation	Std. Error	95 % Confidence interval for mean		Minimum	Maximum
					Lower Bound	Upper Bound		
Kelompok 1	5	59.0660	8.34198	3.73065	48.7081	69.4239	47.57	66.16
Kelompok 2	5	61.1500	9.60629	4.29607	49.2222	73.0778	53.06	74.50
Kelompok 3	5	49.2120	9.09733	4.06845	37.9162	60.5078	34.84	60.17
Kontrol positif	5	61.1000	8.03428	3.59304	51.1241	71.0759	51.63	73.38
Kontrol negatif	5	27.1620	13.04802	5.83525	10.9607	43.3633	11.35	39.57
Total	25	51.5380	15.96636	3.19327	44.9474	58.1286	11.35	74.50

ANOVA

Penurunan Kadar Glukosa Darah (%)

	Sum of Squares	df	Mean Square	F	Sig.
Between Groups	4200.464	4	1050.116	10.952	.000
Within Groups	1917.726	20	95.886		
Total	6118.190	24			

Post Hoc Test

Multiple Comparisons

Dependent Variable: Penurunan Kadar Glukosa Darah (%)

Tukey HSD

(I) kelompok	(J) kelompok	Mean Difference (I-J)	Std. Error	Sig.	95% Confidence Interval	
					Lower Bound	Upper Bound
Kelompok 1	Kelompok 2	-2.0840	6.19310	.997	-20.6161	16.4481
	Kelompok 3	9.8540	6.19310	.520	-8.6781	28.3861
	Kontrol Positif	-2.0340	6.19310	.997	-20.5661	16.4981
	Kontrol Negatif	31.9040*	6.19310	.000	13.3719	50.4361
Kelompok 2	Kelompok 1	2.0840	6.19310	.997	-16.4481	20.6161
	Kelompok 3	11.9380	6.19310	.336	-6.5941	30.4701
	Kontrol Positif	.0500	6.19310	1.000	-18.4821	18.5821
	Kontrol Negatif	33.9880*	6.19310	.000	15.4559	52.5201
Kelompok 3	Kelompok 1	-9.8540	6.19310	.520	-28.3861	8.6781
	Kelompok 2	-11.9380	6.19310	.336	-30.4701	6.5941
	Kontrol Positif	-11.8880	6.19310	.340	-30.4201	6.6441
	Kontrol Negatif	22.0500*	6.19310	.015	3.5179	40.5821
Kontrol Positif	Kelompok 1	2.0340	6.19310	.997	-16.4981	20.5661
	Kelompok 2	-.0500	6.19310	1.000	-18.5821	18.4821
	Kelompok 3	11.8880	6.19310	.340	-6.6441	30.4201
	Kontrol Negatif	33.9380*	6.19310	.000	15.4059	52.4701
Kontrol Negatif	Kelompok 1	-31.9040*	6.19310	.000	-50.4361	-13.3719
	Kelompok 2	-33.9880*	6.19310	.000	-52.5201	-15.4559
	Kelompok 3	-22.0500*	6.19310	.015	-40.5821	-3.5179
	Kontrol Positif	-33.9380*	6.19310	.000	-52.4701	-15.4059

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

Homogeneous Subsets

Penurunan Kadar Glukosa Darah

Tukey HSD ^a

Infusa Mahkota Dewa	N	Subset for alpha = .05	
		1	2
kontrol negatif	5	27.1620	
Kelompok 3	5		49.2120
Kelompok 1	5		59.0660
Kontrol positif	5		61.1000
Kelompok 2	5		61.1500
Sig.		1.000	.336

Means for groups in homogeneous subsets are displayed.

a. Uses Harmonic Mean Sample Size = 5.000.