

Lampiran 1

Perhitungan Dosis

I. Dosis CMC

Larutan CMC 1% = 1 gram CMC/100cc

Dosis yang digunakan dalam percobaan adalah larutan CMC 1% 0,5 cc/ekor

II. Dosis Glibenklamid

Dosis glibenklamid untuk manusia = 10 mg

Konversi dosis untuk mencit = 0,0026

Dosis glibenklamid untuk mencit = $10 \text{ mg} \times 0,0026 = 0,026 \text{ mg}/0,5 \text{ cc}$

III. Dosis Glukosa

Dosis glukosa untuk manusia = 75 gram

Dosis glukosa untuk mencit = $75 \text{ gram} \times 0,0026 = 0,195 \text{ gram}/0,5 \text{ cc}$

IV. Dosis VCO

Dosis VCO untuk manusia (pendeita diabetes mellitus) = $3 \times 30 \text{ ml/hari} = 90 \text{ ml/hari}$

Dosis VCO untuk mencit = $90 \text{ cc} \times 0,0026 = 0,234 \text{ cc (I)}$

II = $2 \times 0,234 \text{ cc} = 0,468 \text{ cc}$

III = $3 \times 0,234 \text{ cc} = 0,702 \text{ cc}$

Dosis yang digunakan untuk percobaan adalah:

Dosis 1 = 0,1 cc

Dosis 2 = 0,3 cc

Dosis 3 = 0,6 cc

Lampiran 2

Hasil Pengamatan Mencit Selama 2 Jam

		0 menit	30 menit	60 menit	120 menit
kontrol negatif (CMC 1%)	M1	65	280	232	134
	M2	61	258	164	104
	M3	70	398	374	182
	M4	79	289	248	175
	M5	64	171	191	110
	Rata-rata	67.8	279.2	241.8	141
kontrol positif (Glikenklamid)	M1	50	241	182	91
	M2	64	161	172	77
	M3	75	199	156	68
	M4	61	126	132	55
	M5	70	117	123	111
	Rata-rata	64	168.8	153	80.4
Dosis 1 (VCO 0,1 ml)	M1	61	139	202	145
	M2	63	131	127	125
	M3	87	142	146	132
	M4	75	237	226	116
	M5	72	291	144	104
	Rata-rata	71.6	188	169	124.4
Dosis 2 (VCO 0,3 ml)	M1	70	145	136	78
	M2	65	202	252	130
	M3	66	218	157	94
	M4	60	230	148	134
	M5	82	154	132	109
	Rata-rata	68.6	189.8	165	109
Dosis 3 (VCO 0,6 ml)	M1	74	129	125	97
	M2	86	179	142	116
	M3	76	145	121	121
	M4	60	292	273	99
	M5	61	95	93	87
	Rata-rata	71.4	168	150.8	104

Lampiran 3

Hasil ANAVA Satu Arah Kadar Glukosa Darah selama 2 jam

Oneway

Descriptives

Rata-Rata

	N	Mean	Std. Deviation	Std. Error	95% Confidence Interval for Mean		Minimum	Maximum
					Lower Bound	Upper Bound		
Kontrol Negatif	5	182.4500	48.18629	21.54956	122.6188	242.2812	134.00	256.00
Kontrol Positif	5	116.5500	18.19203	8.13572	93.9616	139.1384	93.50	141.00
VCO 0,1 ml	5	138.2500	20.60264	9.21378	112.6684	163.8316	111.50	163.50
VCO 0,3 ml	5	133.1000	21.26147	9.50842	106.7004	159.4996	107.25	162.25
VCO 0,6 ml	5	123.5500	36.32036	16.24296	78.4523	168.6477	84.00	181.00
Total	25	138.7800	36.92499	7.38500	123.5381	154.0219	84.00	256.00

Test of Homogeneity of Variances

Rata-Rata

Levene Statistic	df1	df2	Sig.
1.353	4	20	.285

ANOVA

Rata-Rata

	Sum of Squares	df	Mean Square	F	Sig.
Between Groups	13328.690	4	3332.173	3.436	.027
Within Groups	19394.225	20	969.711		
Total	32722.915	24			

Post Hoc Tests

Multiple Comparisons

Dependent Variable: Rata-Rata
Tukey HSD

(I) Perlakuan	(J) Perlakuan	Mean Difference (I-J)	Std. Error	Sig.	95% Confidence Interval	
					Lower Bound	Upper Bound
Kontrol Negatif	Kontrol Positif	65.90000*	19.69478	.024	6.9658	124.8342
	VCO 0,1 ml	44.20000	19.69478	.204	-14.7342	103.1342
	VCO 0,3 ml	49.35000	19.69478	.129	-9.5842	108.2842
	VCO 0,6 ml	58.90000	19.69478	.050	-.0342	117.8342
Kontrol Positif	Kontrol Negatif	-65.90000*	19.69478	.024	-124.8342	-6.9658
	VCO 0,1 ml	-21.70000	19.69478	.804	-80.6342	37.2342
	VCO 0,3 ml	-16.55000	19.69478	.915	-75.4842	42.3842
	VCO 0,6 ml	-7.00000	19.69478	.996	-65.9342	51.9342
VCO 0,1 ml	Kontrol Negatif	-44.20000	19.69478	.204	-103.1342	14.7342
	Kontrol Positif	21.70000	19.69478	.804	-37.2342	80.6342
	VCO 0,3 ml	5.15000	19.69478	.999	-53.7842	64.0842
	VCO 0,6 ml	14.70000	19.69478	.943	-44.2342	73.6342
VCO 0,3 ml	Kontrol Negatif	-49.35000	19.69478	.129	-108.2842	9.5842
	Kontrol Positif	16.55000	19.69478	.915	-42.3842	75.4842
	VCO 0,1 ml	-5.15000	19.69478	.999	-64.0842	53.7842
	VCO 0,6 ml	9.55000	19.69478	.988	-49.3842	68.4842
VCO 0,6 ml	Kontrol Negatif	-58.90000	19.69478	.050	-117.8342	.0342
	Kontrol Positif	7.00000	19.69478	.996	-51.9342	65.9342
	VCO 0,1 ml	-14.70000	19.69478	.943	-73.6342	44.2342
	VCO 0,3 ml	-9.55000	19.69478	.988	-68.4842	49.3842

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

Homogeneous Subsets

Rata-Rata

Tukey HSD^a

Perlakuan	N	Subset for alpha = .05	
		1	2
Kontrol Positif	5	116.5500	
VCO 0,6 ml	5	123.5500	123.5500
VCO 0,3 ml	5	133.1000	133.1000
VCO 0,1 ml	5	138.2500	138.2500
Kontrol Negatif	5		182.4500
Sig.		.804	.050

Means for groups in homogeneous subsets are displayed.

a. Uses Harmonic Mean Sample Size = 5.000.

Lampiran 4

Hasil Analisis Kadar Glukosa Darah dengan Interval 30 dan 60 menit**Hasil Analisis Kadar Glukosa Darah Mencit pada Menit ke - 0****Oneway****Descriptives**

T0

	N	Mean	Std. Deviation	Std. Error	95% Confidence Interval for Mean		Minimum	Maximum
					Lower Bound	Upper Bound		
Kontrol Negatif	5	67.8000	7.04982	3.15278	59.0465	76.5535	61.00	79.00
Kontrol Positif	5	64.0000	9.51315	4.25441	52.1879	75.8121	50.00	75.00
VCO 0,1 ml	5	71.6000	10.43072	4.66476	58.6485	84.5515	61.00	87.00
VCO 0,3 ml	5	68.6000	8.29458	3.70945	58.3009	78.8991	60.00	82.00
VCO 0,6 ml	5	71.4000	10.94532	4.89490	57.8096	84.9904	60.00	86.00
Total	25	68.6800	8.99870	1.79974	64.9655	72.3945	50.00	87.00

Test of Homogeneity of Variances

T0

Levene Statistic	df1	df2	Sig.
.346	4	20	.844

ANOVA

T0

	Sum of Squares	df	Mean Square	F	Sig.
Between Groups	193.040	4	48.260	.551	.700
Within Groups	1750.400	20	87.520		
Total	1943.440	24			

Post Hoc Tests Homogeneous Subsets

T0

Tukey HSD^a

Perlakuan	N	Subset for alpha = .05
		1
Kontrol Positif	5	64.0000
Kontrol Negatif	5	67.8000
VCO 0,3 ml	5	68.6000
VCO 0,6 ml	5	71.4000
VCO 0,1 ml	5	71.6000
Sig.		.703

Means for groups in homogeneous subsets are displayed.

a. Uses Harmonic Mean Sample Size = 5.000.

Hasil Analisis Kadar Glukosa Darah Mencit pada Menit ke - 30

Oneway

Descriptives

T1

	N	Mean	Std. Deviation	Std. Error	95% Confidence Interval for Mean		Minimum	Maximum
					Lower Bound	Upper Bound		
Kontrol Negatif	5	279.2000	81.18929	36.30895	178.3902	380.0098	171.00	398.00
Kontrol Positif	5	168.8000	51.72234	23.13093	104.5782	233.0218	117.00	241.00
VCO 0,1 ml	5	188.0000	72.06941	32.23042	98.5140	277.4860	131.00	291.00
VCO 0,3 ml	5	189.8000	38.23872	17.10088	142.3204	237.2796	145.00	230.00
VCO 0,6 ml	5	168.0000	75.62407	33.82011	74.1003	261.8997	95.00	292.00
Total	25	198.7600	73.34864	14.66973	168.4832	229.0368	95.00	398.00

Test of Homogeneity of Variances

T1

Levene Statistic	df1	df2	Sig.
.482	4	20	.748

ANOVA

T1

	Sum of Squares	df	Mean Square	F	Sig.
Between Groups	42552.160	4	10638.040	2.458	.079
Within Groups	86568.400	20	4328.420		
Total	129120.6	24			

Post Hoc Tests**Homogeneous Subsets**

T1

Tukey HSD^a

Perlakuan	N	Subset for alpha = .05
		1
VCO 0,6 ml	5	168.0000
Kontrol Positif	5	168.8000
VCO 0,1 ml	5	188.0000
VCO 0,3 ml	5	189.8000
Kontrol Negatif	5	279.2000
Sig.		.094

Means for groups in homogeneous subsets are displayed.

a. Uses Harmonic Mean Sample Size = 5.000.

Hasil Analisis Kadar Glukosa Darah Mencit pada Menit ke - 60

Oneway

Descriptives

T2

	N	Mean	Std. Deviation	Std. Error	95% Confidence Interval for Mean		Minimum	Maximum
					Lower Bound	Upper Bound		
Kontrol Negatif	5	241.8000	81.00123	36.22485	141.2237	342.3763	164.00	374.00
Kontrol Positif	5	153.0000	25.25866	11.29602	121.6372	184.3628	123.00	182.00
VCO 0,1 ml	5	169.0000	42.59108	19.04731	116.1162	221.8838	127.00	226.00
VCO 0,3 ml	5	165.0000	49.62862	22.19459	103.3779	226.6221	132.00	252.00
VCO 0,6 ml	5	150.8000	70.54219	31.54742	63.2103	238.3897	93.00	273.00
Total	25	175.9200	62.62582	12.52516	150.0693	201.7707	93.00	374.00

Test of Homogeneity of Variances

T2

Levene Statistic	df1	df2	Sig.
.771	4	20	.557

ANOVA

T2

	Sum of Squares	df	Mean Square	F	Sig.
Between Groups	28318.240	4	7079.560	2.152	.112
Within Groups	65809.600	20	3290.480		
Total	94127.840	24			

Post Hoc Tests

Homogeneous Subsets

T2

Tukey HSD^a

Perlakuan	N	Subset for alpha = .05
		1
VCO 0,6 ml	5	150.8000
Kontrol Positif	5	153.0000
VCO 0,3 ml	5	165.0000
VCO 0,1 ml	5	169.0000
Kontrol Negatif	5	241.8000
Sig.		.128

Means for groups in homogeneous subsets are displayed.

a. Uses Harmonic Mean Sample Size = 5.000.

Hasil Analisis Kadar Glukosa Darah Mencit pada Menit ke - 120

Oneway

Descriptives

T3

	N	Mean	Std. Deviation	Std. Error	95% Confidence Interval for Mean		Minimum	Maximum
					Lower Bound	Upper Bound		
Kontrol Negatif	5	141.0000	36.11094	16.14930	96.1623	185.8377	104.00	182.00
Kontrol Positif	5	80.4000	21.55922	9.64158	53.6307	107.1693	55.00	111.00
VCO 0,1 ml	5	124.4000	15.56599	6.96132	105.0723	143.7277	104.00	145.00
VCO 0,3 ml	5	109.0000	23.72762	10.61131	79.5383	138.4617	78.00	134.00
VCO 0,6 ml	5	104.0000	14.10674	6.30872	86.4842	121.5158	87.00	121.00
Total	25	111.7600	29.87652	5.97530	99.4276	124.0924	55.00	182.00

Test of Homogeneity of Variances

T3

Levene Statistic	df1	df2	Sig.
2.592	4	20	.068

ANOVA

T3

	Sum of Squares	df	Mean Square	F	Sig.
Between Groups	10330.160	4	2582.540	4.656	.008
Within Groups	11092.400	20	554.620		
Total	21422.560	24			

Post Hoc Tests**Homogeneous Subsets**

T3

Tukey HSD^a

Perlakuan	N	Subset for alpha = .05	
		1	2
Kontrol Positif	5	80.4000	
VCO 0,6 ml	5	104.0000	104.0000
VCO 0,3 ml	5	109.0000	109.0000
VCO 0,1 ml	5	124.4000	124.4000
Kontrol Negatif	5		141.0000
Sig.		.054	.134

Means for groups in homogeneous subsets are displayed.

a. Uses Harmonic Mean Sample Size = 5.000.

Lampiran 5

Hasil T-Test Perbedaan Kadar Glukosa Menit 30 ke 60 dan 30 ke 120**Kontrol (+)****T-Test****Paired Samples Statistics**

		Mean	N	Std. Deviation	Std. Error Mean
Pair 1	menit ke 30	279.2000	5	81.18929	36.30895
	menit ke 60	241.8000	5	81.00123	36.22485
Pair 2	menit ke 30	279.2000	5	81.18929	36.30895
	menit ke 120	141.0000	5	36.11094	16.14930

Paired Samples Correlations

		N	Correlation	Sig.
Pair 1	menit ke 30 & menit ke 60	5	.871	.055
Pair 2	menit ke 30 & menit ke 120	5	.796	.107

Paired Samples Test

		Paired Differences					t	df	Sig. (2-tailed)
		Mean	Std. Deviation	Std. Error Mean	95% Confidence Interval of the Difference				
					Lower	Upper			
Pair 1	menit ke 30 - menit ke 60	37.40000	41.24076	18.44343	-13.80716	88.60716	2.028	4	.112
Pair 2	menit ke 30 - menit ke 120	138.20000	56.80845	25.40551	67.66299	208.73701	5.440	4	.006

Kontrol (-)

T-Test

Paired Samples Statistics

		Mean	N	Std. Deviation	Std. Error Mean
Pair 1	menit ke 30	168.8000	5	51.72234	23.13093
	menit ke 60	153.0000	5	25.25866	11.29602
Pair 2	menit ke 30	168.8000	5	51.72234	23.13093
	menit ke 120	80.4000	5	21.55922	9.64158

Paired Samples Correlations

		N	Correlation	Sig.
Pair 1	menit ke 30 & menit ke 60	5	.859	.062
Pair 2	menit ke 30 & menit ke 120	5	-.018	.977

Paired Samples Test

		Paired Differences							
		Mean	Std. Deviation	Std. Error Mean	95% Confidence Interval of the Difference				
					Lower	Upper			
Pair 1	menit ke 30 - menit ke 60	15.80000	32.69098	14.61985	-24.79121	56.39121	1.081	4	.341
Pair 2	menit ke 30 - menit ke 120	88.40000	56.39415	25.22023	18.37742	158.42258	3.505	4	.025

Dosis 1**T-Test****Paired Samples Statistics**

		Mean	N	Std. Deviation	Std. Error Mean
Pair 1	menit ke 30	188.0000	5	72.06941	32.23042
	menit ke 60	169.0000	5	42.59108	19.04731
Pair 2	menit ke 30	188.0000	5	72.06941	32.23042
	menit ke 120	124.4000	5	15.56599	6.96132

Paired Samples Correlations

		N	Correlation	Sig.
Pair 1	menit ke 30 & menit ke 60	5	.167	.788
Pair 2	menit ke 30 & menit ke 120	5	-.870	.055

Paired Samples Test

		Paired Differences					t	df	Sig. (2-tailed)
		Mean	Std. Deviation	Std. Error Mean	95% Confidence Interval of the Difference				
					Lower	Upper			
Pair 1	menit ke 30 - menit ke 60	19.00000	77.34016	34.58757	-77.03049	115.03049	.549	4	.612
Pair 2	menit ke 30 - menit ke 120	63.60000	85.96104	38.44294	-43.13473	170.33473	1.654	4	.173

Dosis 2

T-Test

Paired Samples Statistics

		Mean	N	Std. Deviation	Std. Error Mean
Pair 1	menit ke 30	189.8000	5	38.23872	17.10088
	menit ke 60	165.0000	5	49.62862	22.19459
Pair 2	menit ke 30	189.8000	5	38.23872	17.10088
	menit ke 120	109.0000	5	23.72762	10.61131

Paired Samples Correlations

		N	Correlation	Sig.
Pair 1	menit ke 30 & menit ke 60	5	.347	.567
Pair 2	menit ke 30 & menit ke 120	5	.614	.271

Paired Samples Test

		Paired Differences					t	df	Sig. (2-tailed)
		Mean	Std. Deviation	Std. Error Mean	95% Confidence Interval of the Difference				
					Lower	Upper			
Pair 1	menit ke 30 - menit ke 60	24.80000	51.07543	22.84163	-38.61853	88.21853	1.086	4	.339
Pair 2	menit ke 30 - menit ke 120	80.80000	30.19437	13.50333	43.30874	118.29126	5.984	4	.004

Dosis 3**T-Test****Paired Samples Statistics**

		Mean	N	Std. Deviation	Std. Error Mean
Pair 1	menit ke 30	168.0000	5	75.62407	33.82011
	menit ke 60	150.8000	5	70.54219	31.54742
Pair 2	menit ke 30	168.0000	5	75.62407	33.82011
	menit ke 120	104.0000	5	14.10674	6.30872

Paired Samples Correlations

		N	Correlation	Sig.
Pair 1	menit ke 30 & menit ke 60	5	.983	.003
Pair 2	menit ke 30 & menit ke 120	5	.149	.811

Paired Samples Test

		Paired Differences					t	df	Sig. (2-tailed)
		Mean	Std. Deviation	Std. Error Mean	95% Confidence Interval of the Difference				
					Lower	Upper			
Pair 1	menit ke 30 - menit ke 60	17.20000	14.54991	6.50692	-.86610	35.26610	2.643	4	.057
Pair 2	menit ke 30 - menit ke 120	64.00000	74.83649	33.46790	-28.92177	156.92177	1.912	4	.128

Lampiran 6

Dokumentasi

