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Etanol Daun Tapak Dara (*Catharantus roseus* (L.) G.Don)
Terhadap Penurunan Kadar Gula Darah Tikus Putih Jantan Galur Wistar
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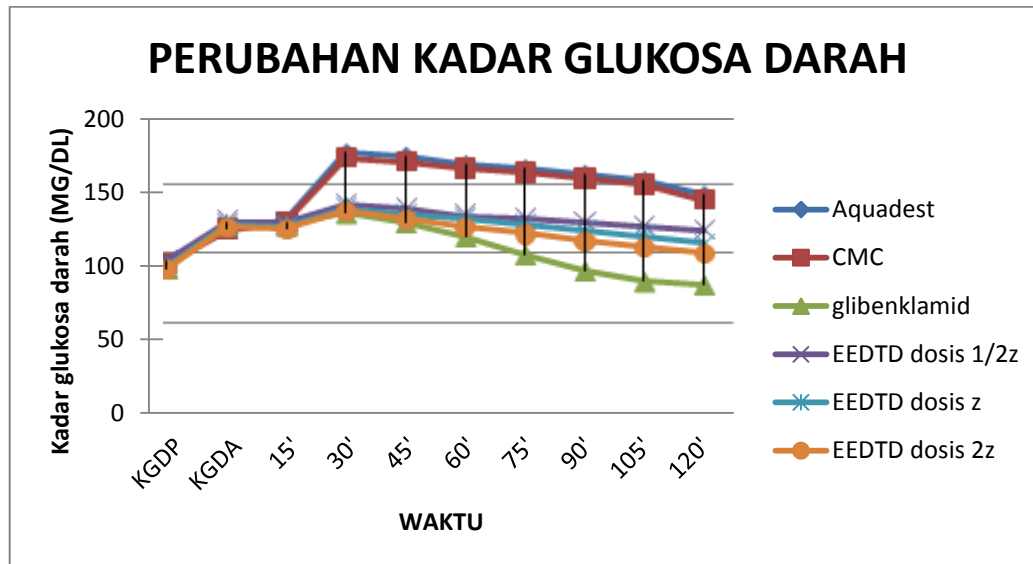
LAMPIRAN 1. Tabel Dan Grafik Hasil Penelitian Kadar Glukosa Darah Pada Tikus

Tabel dan hasil penelitian kadar glukosa darah pada tikus putih

Tikus		BB Tikus (gram)	Kadar Gula Darah Tikus (mg/dl)									
			puasa	awal	KGD Setelah Pemberian Glukosa							
					15'	30'	45'	60'	75'	90'	105'	120'
T I Aquadest	1	199	91	117	121	172	170	162	159	154	150	140
	2	201	94	119	123	173	171	165	162	159	154	143
	3	205	90	116	122	171	169	164	161	156	151	141
	4	195	96	120	125	175	172	166	163	160	155	144
Rata-rata			92,75	118	122,75	172,75	170,5	164,25	161,25	157,25	152,5	142
T II CMC 0,5 %	1	218	96	120	121	181	178	174	168	163	158	148
	2	203	92	116	128	167	164	160	157	153	152	142
	3	201	93	122	121	164	162	157	150	148	140	129
	4	214	87	111	120	164	160	154	158	152	148	135
Rata-rata			92	117,5	122,5	169	166	161,25	158,25	154	149,5	138,5
T III Glibenklamid	1	197	94	123	122	132	128	116	103	93	84	80
	2	204	88	120	115	118	118	108	91	86	76	78
	3	190	84	177	118	121	121	113	102	89	83	80
	4	198	89	121	124	122	122	112	100	81	75	70
			88,75	108,75	119,75	129	122,25	112	99	87,25	79,5	77

T IV Dosis 1/2z	1	195	98	126	124	137	134	131	129	127	124	122
	2	196	91	120	120	133	129	124	120	118	116	112
	3	192	96	123	122	136	133	128	126	124	121	118
	4	213	94	122	121	134	131	125	122	120	117	114
Rata-rata			94,75	122,75	121,75	135	131,75	127	124,25	122,25	119,5	116
T V Dosis z	1	199	84	116	115	130	126	123	119	114	109	105
	2	205	92	121	121	133	130	125	120	116	110	108
	3	202	86	118	117	132	128	124	119	115	116	106
	4	197	98	127	126	135	131	127	124	119	112	109
Rata-rata			90	120,5	119,75	132,5	128,75	124,75	120,5	116	110,75	107
T VI Dosis 2z	1	195	93	121	121	133	127	121	116	109	105	101
	2	191	92	120	118	131	125	120	116	110	107	100
	3	210	85	118	116	129	123	117	111	106	103	99
	4	198	83	116	114	128	124	118	112	108	104	100
Rata-rata			88,25	118,75	117,25	130,25	124,75	119	113,75	108,25	104,5	100

Gamabar 1 Grafik Perubahan Kadar Glukosa Darah Tikus



LAMPIRAN 2. Tabel Anova Satu Arah Dan Hasil Uji Rata-Rata Duncan

Data Hasil Percobaan Diolah secara Anova Satu Arah

ANOVA						
		Sum of Squares	Df	Mean Square	F	Sig.
KGDA	Between Groups	79.833	5	15.967	1.423	.264
	Within Groups	202.000	18	11.222		
	Total	281.833	23			
KGDP	Between Groups	126.833	5	25.367	1.355	.287
	Within Groups	337.000	18	18.722		
	Total	463.833	23			
KGD15	Between Groups	88.875	5	17.775	1.563	.221
	Within Groups	204.750	18	11.375		
	Total	293.625	23			
KGD30	Between Groups	8302.000	5	1660.400	110.489	.000
	Within Groups	270.500	18	15.028		
	Total	8572.500	23			
KGD45	Between Groups	9383.333	5	1876.667	114.122	.000
	Within Groups	296.000	18	16.444		
	Total	9679.333	23			
KGD60	Between Groups	9992.708	5	1998.542	110.264	.000
	Within Groups	326.250	18	18.125		
	Total	10318.958	23			
KGD75	Between Groups	12486.000	5	2497.200	128.427	.000
	Within Groups	350.000	18	19.444		
	Total	12836.000	23			
KGD90	Between Groups	14684.333	5	2936.867	180.422	.000
	Within Groups	293.000	18	16.278		
	Total	14977.333	23			
KDG105	Between Groups	15480.833	5	3096.167	169.395	.000
	Within Groups	329.000	18	18.278		
	Total	15809.833	23			
KGD120	Between Groups	12012.000	5	2402.400	122.156	.000
	Within Groups	354.000	18	19.667		
	Total	12366.000	23			

tabel. Hasil Uji Rata-Rata Duncan

KGDPUASADuncan^a

PERLAKUAN	N	Subset for alpha =
		0.05
		1
cmc	4	117.2500
aquadest	4	118.0000
Ekstak2z	4	118.7500
glibenklamid	4	120.5000
ekstrakz	4	122.7500
Ekstrak1/2z	4	
Sig.		,052

Means for groups in homogeneous subsets are displayed.

a. Uses Harmonic Mean Sample Size = 4,000.

KGDAWALDuncan^a

PERLAKUAN	N	Subset for alpha =
		0.05
		1
Ekstrak2z	4	88.2500
glibenklaid	4	88.7500
ekstrakz	4	90.0000
Cmc	4	92.0000
aquadest	4	92.7500
Dosis1/2z	4	94.7500
Sig.		,074

Means for groups in homogeneous subsets are displayed.

a. Uses Harmonic Mean Sample Size = 4,000.

KGD15Duncan^a

PERLAKUAN	N	Subset for alpha = 0.05
		1
ekstrak2Z	4	117.2500
Glibenklamid	4	119.7500
Ekstrakz	4	119.7500
Ekstrak1/2z	4	121.7500
Cmc	4	122.5000
Aquadest	4	122.7500
Sig.		,054

Means for groups in homogeneous subsets are displayed.

a. Uses Harmonic Mean Sample Size = 4,000

KGD30

Duncana

PERLAKUAN	N	Subset for alpha = 0.05	
		1	2
Glibenklamid	4	129,0000	
Ekstrak2z	4	130,2500	
Ekstrakz	4	132.5000	
Ekstrak1/2z	4	135,0000	
Cmc	4		169,0000
Aquadest	4		172,7500
Sig.		,058	,188

Means for groups in homogeneous subsets are displayed.

a. Uses Harmonic Mean Sample Size = 4,000.

KGD45Duncan^a

PERLAKUAN	N	Subset for alpha = 0.05			
		1	2	3	4
Glibenklamid	4	122.2500			
Ekstrak2z	4	124,7500	124,7500		
Eksrakz	4		128.7500	128.7500	
Ekstrak1/2z	4			131.7500	
Aquadest	4				166.0000
Cmc	4				170.5000
sig.		,395	,180	.309	134

Means for groups in homogeneous subsets are displayed.

a. Uses Harmonic Mean Sample Size = 4,000.

KGD60Duncan^a

PERLAKUAN	N	Subset for alpha = 0.05			
		1	2	3	4
glibenklamid	4	112.0000			
Ekstrak2z	4		119,0000		
Eksrakz	4		124.7500	124.7500	
Ekstrak1/2z	4			127.0000	
cmc	4				161.2500
aquadest	4				164.2500
sig.		1.000	,072	.464	.332

Means for groups in homogeneous subsets are displayed.

a. Uses Harmonic Mean Sample Size = 4,000.

KGD75Duncan^a

PERLAKUAN	N	Subset for alpha = 0.05			
		1	2	3	4
Glibenklamid	4	99.0000			
Ekstrak2z	4		113,7500		
Eksrakz	4			120.5000	
Ekstrak1/2z	4			124.2500	
cmc	4				158.2500
aquadest	4				161.2500
sig.		1.000	1.000	.245	349

Means for groups in homogeneous subsets are displayed.

a. Uses Harmonic Mean Sample Size = 4,000.

KGD90Duncan^a

PERLAKUAN	N	Subset for alpha = 0.05				
		1	2	3	4	5
Glibenklamid	4	87.2500				
Ekstrak2z	4		108,2500			
Eksrakz	4			116.0000		
Ekstrak1/2z	4				122.2500	
Cmc	4					154.0000
Aquadest	4					157.2500
sig.		1.000	1.000	1.000	1.000	.270

Means for groups in homogeneous subsets are displayed.

a. Uses Harmonic Mean Sample Size = 4,000.

KGD105Duncan^a

PERLAKUAN	N	Subset for alpha = 0.05				
		1	2	3	4	5
Glibenklamid	4	79.5000	104.5000	112.0000	119.5000	149.0000
Ekstrak2z	4					
Eksrakz	4					
Ekstrak1/2z	4					
Cmc	4					149.0000
Aquadest	4					152.5000
sig.		1.000	1.000	1.000	1.000	.334

Means for groups in homogeneous subsets are displayed.

a. Uses Harmonic Mean Sample Size = 4,000.

KGD120Duncan^a

PERLAKUAN	N	Subset for alpha = 0.05				
		1	2	3	4	5
Glibenklamid	4	77.0000	100.0000	107.0000	116.5000	138.5000
Ekstrak2z	4					
Eksrakz	4					
Ekstrak1/2z	4					
Cmc	4					138.5000
Aquadest	4					142.0000
sig.		1.000	1.000	1.000	1.000	.279

Means for groups in homogeneous subsets are displayed.

a. Uses Harmonic Mean Sample Size = 4,000.

LAMPIRAN 3. Perlakuan Dalam Penelitian



Gambar 2. Adaptasi Tikus



Gambar 3. Tumbuhan tapak dara



Gambar 4. Daun tapak dara



Gambar 5. Suspensi CMC, EEDTD1/2Z, EEDTD Z, EEDTD 2Z



Gambar 6. Glukometer dan strip



Gambar 7. Daun tapak dara segar



Gambar 8. Daun tapak dara kering



Gambar 9. Pemberian larutan obat pada tikus secara oral