

LAMPIRAN

1.1 LAMPIRAN 1

Jadwal penelitian

Desember 2015

					1	2	Januari 2016
3	4	5	6	7	8	9 Survey Tikus	
10	11	12	13	14	15 Pengajuan proposal	16 Pembelian stz, metformin	
17 Survey daun kersen	18	19	20	21	22	23	
24	25	26	27	28	29	30	

		1	2	3	4	5
6	7	8	9	10	11	12
13	14	15 Pengerjan proposal	16	17	18	19
20	21	22	23	24	25	26
27	28	29	30	31		

	1	2	3	4	5	6
7	8	9	10	11	12	13
14	15 Persiapan kandang	16 Adaptasi tikus	17 Adaptasi tikus	18 Adaptasi tikus	19 Adaptasi tikus	20 Adaptasi tikus
21 Adaptasi tikus	22 Adaptasi tikus	23 Pengambilan sampel pre induksi	24 Induksi stz-na	25	26	27
28 Pengambilan sampel pos induksi	29 Intervensi seduhan kersen					

Februari 2016

Maret 2016

		1 Intervensi seduhan kersen	2 Intervensi seduhan kersen	3 Intervensi seduhan kersen	4 Intervensi seduhan kersen	5 Intervensi seduhan kersen
6 Intervensi seduhan kersen	7 Intervensi seduhan kersen	8 Intervensi seduhan kersen	9 Intervensi seduhan kersen	10 Intervensi seduhan kersen	11 Intervensi seduhan kersen	12 Intervensi seduhan kersen
13 Intervensi seduhan kersen	14 Pengambilan sampel post perlakuan	15	16	17	18	19
20	21	22	23	24	25	26
27	28	29	30	31		

1.2 LAMPIRAN 2

Tabel 15. konversi dosis berbagai senyawa bioaktif pada hewan dan manusia (Lawrence & Banach, 1964) dalam Anggara (2009).

	20 g Mencit	200 g Tikus	400 g Marmot	1,5 kg Kelinci	2,0 kg Kucing	4,0 kg Kera	12,0 kg Anjing	70 kg Manusia
20 g Mencit	1,0	7,0	12,29	27,8	29,7	84,1	124,2	387,9
200 g Tikus	0,14	1,0	1,74	3,9	4,2	9,2	17,8	56,0
400 g Marmot	0,08	0,57	1,0	2,25	2,4	5,2	10,2	31,5
1,5 kg Kelinci	0,04	0,25	0,44	1,0	1,08	2,4	4,5	14,2
2,0 kg Kucing	0,03	0,23	0,41	0,92	1,0	2,2	4,1	13,0
4,0 kg Kera	0,016	0,11	0,19	0,42	0,45	1,0	1,9	6,1
12,0 kg Anjing	0,008	0,06	0,10	0,22	0,24	0,52	1,0	3,1
70 kg Manusia	0,0026	0,018	0,031	0,07	0,076	0,16	0,32	1,0

1. Metformin

Dosis metformin pada manusia adalah 50mg/kgbb, dosis ini kemudian dikonversi untuk tikus putih, seperti pada tabel diatas, maka dosis untuk tikus putih didapatkan sebagai berikut :

$$50 \text{ mg} \times 0,018 = 0,9 \text{ mg}/200 \text{ grBB}$$

Maka dosis yang digunakan pada tikus yaitu 0,9 mg /200 grBB/hari

2. Streptozotocin


Dosis yang digunakan adalah 65 mg/kgBB secara intraperitoneal untuk menjadikan tikus DM tipe 2 (Masiello *et al.*, 2006).

3. Nicotinamide

Dosis yang digunakan adalah 230 mg/kgBB secara intraperitoneal untuk menjadikan tikus DM tipe 2 (Masiello *et al.*, 2006).

1.3 LAMPIRAN 3

Surat ijin penelitian



UNIVERSITAS GADJAH MADA
PUSAT STUDI PANGAN DAN GIZI

No. : PSPG – UGM/19/IP/VIII/2016
Hal. : *Permohonan Izin Penelitian dan Pengambilan Data*

Kepada
Yth. Dekan
Fakultas Kedokteran dan Ilmu Kesehatan
Universitas Muhammadiyah Yogyakarta
Jl Lingkar Selatan, Tamantirto, Kasihan, Bantul
Yogyakarta

Dengan hormat,

Menindaklanjuti surat Saudara Nomor :677/C.6 – III/PN-FKIK UMY/VII/2016, 679/C.6 – III/PN-FKIK UMY/VII/2016, 680/C.6 – III/PN-FKIK UMY/VII/2016, perihal Permohonan Izin Penelitian sehubungan dengan pelaksanaan penelitian untuk keperluan Penulisan Karya Ilmiah (KI) untuk memperoleh derajat sarjana Mahasiswa Fakultas Kedokteran dan Ilmu Kesehatan Universitas Muhammadiyah Yogyakarta :

Nama	: 1. Rianti	NIM	: 20130310092
	2. Revo Astrada	NIM	: 20130310223
	3. Adnal Khemal Pasha Husein Putra	NIM	: 20130310163


Institusi: Fakultas Kedokteran dan Ilmu Kesehatan
Universitas Muhammadiyah Yogyakarta

Judul : Efektifitas Seduhan Daun Kersen (*Muntingia calabura L.*) Terhadap Fungsi Hepar (SGOT dan SGPT) dan Profil Lipid (Kolesterol trigliseride, HDL, LDL) Pada Tikus Diabetes Mellitus Yang Diinduksi Streptozotzin.

Waktu Ijin Lab : 13 Juli – 13 Agustus 2016

Dengan ini kami beritahukan bahwa permohonan izin penelitian tersebut dapat kami setujui sesuai peraturan yang berlaku.

Demikian kami sampaikan atas perhatian dan kerjasamanya diucapkan terima kasih.

Kepala,

Prof. Dr. Ir. Umar Santoso, MSc.
NIP. 195902171985031002

Gedung PAU Universitas Gadjah Mada
Jl. Teknik Utara, Berek, Yogyakarta 55281
Telp. (0274) 6492282, 589242 Fax. (0274) 589242
E-mail: cfns@ugm.ac.id; Website: www.cfns.ugm.ac.id

1.4 LAMPIRAN 4

Surat kelayakan etik penelitian



Fakultas Kedokteran dan Ilmu Kesehatan
Universitas Muhammadiyah Yogyakarta

KETERANGAN KELAYAKAN ETIKA PENELITIAN

Nomor : 450/EP-FKIK-UMY/XII/2016

Komisi Etika Penelitian Fakultas Kedokteran dan Ilmu Kesehatan Universitas Muhammadiyah Yogyakarta yang terdiri atas :


1. Prof. dr.H. Djauhar Ismail, Sp.A(K)., Ph.D.
2. Prof.Dr.dr.H. Soewito A, Sp.THT-KL
3. drg. Ana Medawati, M.Kes
4. drh. Tri Wulandari, M.Kes
5. Dr. dr. Titiek Hidayati, M. Kes
6. Dr. dr. Tri Wahyuliati, Sp. S., M. Kes
7. Titih Huriah, Ns., M. Kep., Sp. Kom
8. Dr. drg. Tita Ratya Utari, Sp. Ort
9. Sabtanti Harimurti, Ph. D., Apt
10. Dr. dr. Arlina Dewi, MMR
11. Dra. Irma Risdiyana, Apt., MPH
12. dr. Inayati Habib, Sp. MK., M. Kes

Telah mengkaji permohonan kelayakan etika penelitian yang diajukan oleh :

Nama Peneliti : Adnal Khemal Pasha Husein Putra
NIM : 20130310163
Judul Penelitian : Efektifitas Seduhan Daun Kersen (Muntingia calabura L.) Terhadap Kadar Profil Lipid (HDL & LDL) Pada Tikus Diabetes Melitus yang Diinduksi Streptozotocin-Nicotinamide (STZ-NA)
Pada Tanggal : 04 Desember 2016
Dengan Hasil : Layak Etik

Demikian surat keterangan ini diberikan untuk dapat digunakan sebagaimana mestinya.

Yogyakarta, 07 Desember 2016

Sekretaris,

Dr. dr. Titiek Hidayati, M. Kes

Kampus:

Jl. Lingkar Selatan, Tamantirto, Kasihan, Bantul, Yogyakarta 55183
 Telp. (0274) 387656 ext. 213 , 7491350 Fax. (0274) 387658

Muda mendunia

1.5 LAMPIRAN 5

Analisis Data

Rerata BB

Tests of Normality

kelompok	Kolmogorov-Smirnov ^a			Shapiro-Wilk			
	Statistic	df	Sig.	Statistic	df	Sig.	
Sebelum STZ	Negatif	.161	6	.200*	.954	6	.773
	positif	.180	6	.200*	.957	6	.795
	P1(250 mg kers en)	.190	6	.200*	.956	6	.786
	P2(500 mg kers en)	.229	6	.200*	.864	6	.204
	P3(750 mg kers en)	.167	6	.200*	.949	6	.733
Sesudah STZ	Negatif	.170	6	.200*	.946	6	.708
	positif	.227	6	.200*	.956	6	.787
	P1(250 mg kers en)	.209	6	.200*	.928	6	.568
	P2(500 mg kers en)	.165	6	.200*	.989	6	.986
	P3(750 mg kers en)	.200	6	.200*	.936	6	.626
Sesudah Kersen	Negatif	.178	6	.200*	.946	6	.707
	positif	.151	6	.200*	.980	6	.953
	P1(250 mg kers en)	.181	6	.200*	.941	6	.669
	P2(500 mg kers en)	.139	6	.200*	.963	6	.839
	P3(750 mg kers en)	.212	6	.200*	.912	6	.449

*. This is a lower bound of the true significance.

a. Lilliefors Significance Correction

Test of Homogeneity of Variance

		Levene Statistic	df1	df2	Sig.
Sebelum STZ	Based on Mean	.283	4	25	.886
	Based on Median	.283	4	25	.886
	Based on Median and with adjusted df	.283	4	22.725	.886
	Based on trimmed mean	.287	4	25	.883
Sesudah STZ	Based on Mean	2.862	4	25	.044
	Based on Median	2.672	4	25	.055
	Based on Median and with adjusted df	2.672	4	18.186	.065
	Based on trimmed mean	2.857	4	25	.044
Sesudah Kersen	Based on Mean	4.929	4	25	.005
	Based on Median	4.293	4	25	.009
	Based on Median and with adjusted df	4.293	4	15.548	.016
	Based on trimmed mean	4.889	4	25	.005

Report

Kelompok Perlakuan		Berat Badan sebelum STZ	Berat Badan Sebelum Perlakuan
Negatif	Mean	168.50	171.50
	N	6	6
	Std. Deviation	21.998	21.998
positif	Mean	179.83	183.67
	N	6	6
	Std. Deviation	15.224	15.253
P1	Mean	169.50	173.17
	N	6	6
	Std. Deviation	16.121	15.804
P2	Mean	176.17	179.83
	N	6	6
	Std. Deviation	14.851	14.798
P3	Mean	184.00	188.50
	N	6	6
	Std. Deviation	10.640	11.606
Total	Mean	175.60	179.33
	N	30	30
	Std. Deviation	16.194	16.416

Kadar GDP

Tests of Normality

Kelompok perlakuan		Kolmogorov-Smirnov ^a			Shapiro-Wilk		
		Statistic	df	Sig.	Statistic	df	Sig.
GDP Sebelum STZ	Normal	.146	6	.200*	.979	6	.946
	Negatif	.161	6	.200*	.954	6	.773
	positif	.180	6	.200*	.957	6	.795
	P1 (250 mg kersen)	.190	6	.200*	.956	6	.786
	P2 (500 mg kersen)	.229	6	.200*	.864	6	.204
	P3 (750 mg kersen)	.167	6	.200*	.949	6	.733
GDP Sesudah STZ	Normal	.199	6	.200*	.958	6	.802
	Negatif	.170	6	.200*	.946	6	.708
	positif	.227	6	.200*	.956	6	.787
	P1 (250 mg kersen)	.209	6	.200*	.928	6	.568
	P2 (500 mg kersen)	.165	6	.200*	.989	6	.986
	P3 (750 mg kersen)	.200	6	.200*	.936	6	.626
GDP Sesudah Kersen	Normal	.163	6	.200*	.957	6	.795
	Negatif	.178	6	.200*	.946	6	.707
	positif	.151	6	.200*	.980	6	.953
	P1 (250 mg kersen)	.181	6	.200*	.941	6	.669
	P2 (500 mg kersen)	.139	6	.200*	.963	6	.839
	P3 (750 mg kersen)	.212	6	.200*	.912	6	.449

*. This is a lower bound of the true significance.

a. Lilliefors Significance Correction

Test of Homogeneity of Variance

		Levene Statistic	df1	df2	Sig.
GDP Sebelum STZ	Based on Mean	.308	5	30	.905
	Based on Median	.295	5	30	.912
	Based on Median and with adjusted df	.295	5	26.373	.911
	Based on trimmed mean	.307	5	30	.905
GDP Sesudah STZ	Based on Mean	3.129	5	30	.022
	Based on Median	2.924	5	30	.029
	Based on Median and with adjusted df	2.924	5	19.170	.040
	Based on trimmed mean	3.123	5	30	.022
GDP Sesudah Kersen	Based on Mean	4.641	5	30	.003
	Based on Median	4.073	5	30	.006
	Based on Median and with adjusted df	4.073	5	17.466	.012
	Based on trimmed mean	4.603	5	30	.003

Kadar HDL

Tests of Normality

	Perlakuan	Kolmogorov-Smirnov ^a			Shapiro-Wilk		
		Statistic	df	Sig.	Statistic	df	Sig.
Sebelum STZ	Negatif	.185	6	.200*	.963	6	.846
	Positif	.180	6	.200*	.952	6	.760
	P1	.217	6	.200*	.905	6	.405
	P2	.195	6	.200*	.920	6	.509
	P3	.191	6	.200*	.938	6	.642
Sesudah STZ	Negatif	.206	6	.200*	.975	6	.925
	Positif	.145	6	.200*	.972	6	.904
	P1	.175	6	.200*	.958	6	.807
	P2	.164	6	.200*	.950	6	.739
	P3	.141	6	.200*	.973	6	.912
Sesudah Perlakuan	Negatif	.150	6	.200*	.980	6	.953
	Positif	.102	6	.200*	1.000	6	1.000
	P1	.122	6	.200*	.982	6	.962
	P2	.102	6	.200*	.996	6	.999
	P3	.147	6	.200*	.988	6	.984

*. This is a lower bound of the true significance.

a. Lilliefors Significance Correction

Test of Homogeneity of Variance

		Levene Statistic	df1	df2	Sig.
Sebelum STZ	Based on Mean	.439	4	25	.779
	Based on Median	.413	4	25	.798
	Based on Median and with adjusted df	.413	4	21.794	.797
	Based on trimmed mean	.439	4	25	.780
Sesudah STZ	Based on Mean	.307	4	25	.870
	Based on Median	.301	4	25	.875
	Based on Median and with adjusted df	.301	4	18.408	.874
	Based on trimmed mean	.307	4	25	.871
Sesudah Perlakuan	Based on Mean	1.184	4	25	.342
	Based on Median	1.170	4	25	.348
	Based on Median and with adjusted df	1.170	4	18.144	.357
	Based on trimmed mean	1.183	4	25	.342

Report

Perlakuan		Sebelum STZ	Sesudah STZ	Sesudah Perlakuan
1.00	Mean	72.6850	32.1800	31.1800
	Std. Deviation	2.37012	1.68054	1.98184
	Minimum	69.27	29.76	28.90
	Maximum	76.10	34.60	34.22
	Std. Error of Mean	.96760	.68608	.80908
2.00	Mean	70.0817	32.2950	67.6800
	Std. Deviation	4.51157	1.21289	2.14960
	Minimum	63.41	30.45	63.88
	Maximum	75.12	33.91	69.96
	Std. Error of Mean	1.84184	.49516	.87757
3.00	Mean	69.1067	31.2600	41.9517
	Std. Deviation	3.77373	1.71870	1.69867
	Minimum	65.37	29.07	39.54
	Maximum	76.10	33.22	44.11
	Std. Error of Mean	1.54062	.70166	.69348
4.00	Mean	67.6417	33.3317	54.3700
	Std. Deviation	4.76718	1.60306	1.42183
	Minimum	63.41	31.14	52.47
	Maximum	76.10	35.29	56.27
	Std. Error of Mean	1.94619	.65445	.58046
5.00	Mean	72.6833	31.7183	69.5800
	Std. Deviation	2.67216	1.60306	1.42183
	Minimum	69.27	29.76	67.68
	Maximum	76.10	33.91	71.48
	Std. Error of Mean	1.09090	.65445	.58046
Total	Mean	70.4397	32.1570	52.9523
	Std. Deviation	4.02258	1.62229	15.10885
	Minimum	63.41	29.07	28.90
	Maximum	76.10	35.29	71.48
	Std. Error of Mean	.73442	.29619	2.75849

Kadar LDL

Tests of Normality

Perlakuan	Kolmogorov-Smirnov ^a			Shapiro-Wilk			
	Statistic	df	Sig.	Statistic	df	Sig.	
Sebelum STZ	1.00	.102	6	.200*	1.000	6	1.000
	2.00	.181	6	.200*	.942	6	.676
	3.00	.252	6	.200*	.855	6	.174
	4.00	.274	6	.178	.860	6	.190
	5.00	.153	6	.200*	.958	6	.801
Sesudah STZ	1.00	.101	6	.200*	1.000	6	1.000
	2.00	.184	6	.200*	.974	6	.918
	3.00	.270	6	.196	.892	6	.328
	4.00	.159	6	.200*	.957	6	.797
	5.00	.159	6	.200*	.957	6	.797
Sesudah Perlakuan	1.00	.167	6	.200*	.960	6	.817
	2.00	.195	6	.200*	.922	6	.523
	3.00	.200	6	.200*	.957	6	.798
	4.00	.122	6	.200*	.982	6	.961
	5.00	.122	6	.200*	.982	6	.961

*. This is a lower bound of the true significance.

a. Lilliefors Significance Correction

Test of Homogeneity of Variance

		Levene Statistic	df1	df2	Sig.
Sebelum STZ	Based on Mean	1.254	4	25	.314
	Based on Median	.654	4	25	.630
	Based on Median and with adjusted df	.654	4	15.409	.633
	Based on trimmed mean	1.136	4	25	.362
Sesudah STZ	Based on Mean	.443	4	25	.777
	Based on Median	.412	4	25	.798
	Based on Median and with adjusted df	.412	4	22.572	.798
	Based on trimmed mean	.442	4	25	.777
Sesudah Perlakuan	Based on Mean	.249	4	25	.908
	Based on Median	.230	4	25	.919
	Based on Median and with adjusted df	.230	4	17.718	.918
	Based on trimmed mean	.248	4	25	.908

Report

Perlakuan		Sebelum STZ	Sesudah STZ	Sesudah Perlakuan
Negatif	Mean	25.5833	71.1550	72.0817
	Std. Deviation	1.95110	2.74833	2.79226
	Minimum	22.29	67.34	68.59
	Maximum	28.03	75.42	76.53
	Std. Error of Mean	.79653	1.12200	1.13993
Positif	Mean	26.1133	70.4817	35.0200
	Std. Deviation	1.61118	2.02740	1.75464
	Minimum	24.20	68.01	32.49
	Maximum	28.66	73.40	37.55
	Std. Error of Mean	.65776	.82768	.71633
P1	Mean	26.3250	74.2983	64.6217
	Std. Deviation	1.43319	1.98262	1.34967
	Minimum	24.84	72.05	62.82
	Maximum	28.66	77.44	66.43
	Std. Error of Mean	.58510	.80940	.55100
P2	Mean	27.6017	74.7467	44.6450
	Std. Deviation	2.08064	1.59312	3.30710
	Minimum	24.84	72.73	39.71
	Maximum	29.94	76.77	49.10
	Std. Error of Mean	.84942	.65039	1.35012
P3	Mean	27.7067	73.0633	38.5100
	Std. Deviation	1.92268	1.94171	1.97327
	Minimum	24.84	70.03	35.38
	Maximum	29.94	75.42	41.16
	Std. Error of Mean	.78493	.79270	.80558
Total	Mean	26.6660	72.7490	50.9757
	Std. Deviation	1.89124	2.59005	15.11795
	Minimum	22.29	67.34	32.49
	Maximum	29.94	77.44	76.53
	Std. Error of Mean	.34529	.47288	2.76015

Paired HDL

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	Sebelum STZ - Sesudah STZ (negatif)	40.50500	3.10940	1.26941	37.24189	43.76811	31.909	5	.000
Pair 2	Sesudah STZ (negatif) - Sesudah Perlakuan (negatif)	1.00000	.48071	.19625	-.49553	1.50447	5.096	5	.004

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	Sebelum STZ - Sesudah STZ	37.78667	4.85099	1.98041	32.69586	42.87747	19.080	5	.000
Pair 2	Sesudah STZ - Sesudah Perlakuan (metformin)	-35.38500	3.00728	1.22772	-38.54095	-32.22905	-28.822	5	.000

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	Sebelum STZ - Sesudah STZ	37.84667	4.39579	1.79457	33.23357	42.45977	21.089	5	.000
Pair 2	Sesudah STZ - Sesudah Perlakuan (250mg kersen)	-10.69167	2.19480	.89602	-12.99497	-8.38837	-11.932	5	.000

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	Sebelum STZ - Sesudah STZ	34.31000	4.73467	1.93292	29.34127	39.27873	17.750	5	.000
Pair 2	Sesudah STZ - Sesudah Perlakuan (500mg kersen)	-21.03833	2.35402	.96103	-23.50873	-18.56794	-21.892	5	.000

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	Sebelum STZ - Sesudah STZ	40.96500	3.69125	1.50695	37.09127	44.83873	27.184	5	.000
Pair 2	Sesudah STZ - Sesudah Perlakuan (750mg kersen)	-37.86167	2.76443	1.12857	-40.76275	-34.96058	-33.548	5	.000

Paired LDL

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	Sebelum STZ - Sesudah STZ (negatif)	-45.57167	2.58089	1.05364	-48.28014	-42.86319	-43.252	5	.000
Pair 2	Sesudah STZ (negatif) - Sesudah perlakuan (negatif)	-.92667	.50599	.20657	-1.45767	-.39566	-4.486	5	.006

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	Sebelum STZ - Sesudah STZ	-44.36833	1.60989	.65723	-46.05781	-42.67886	-67.508	5	.000
Pair 2	Sesudah STZ - Sesudah Perlakuan (metformin)	35.46167	1.64807	.67282	33.73212	37.19121	52.706	5	.000

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	Sebelum STZ - Sesudah STZ	-47.97333	2.57134	1.04974	-50.67179	-45.27488	-45.700	5	.000
Pair 2	Sesudah STZ - Sesudah perlakuan (250mg kersen)	9.67667	2.47974	1.01235	7.07434	12.27899	9.559	5	.000

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	Sebelum STZ - Sesudah STZ	-47.14500	3.10071	1.26586	-50.39900	-43.89100	-37.243	5	.000
Pair 2	Sesudah STZ - Sesudah perlakuan (50mg kersen)	30.10167	3.16100	1.29047	26.78440	33.41893	23.326	5	.000

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	Sebelum STZ - Sesudah STZ	-45.35667	3.01574	1.23117	-48.52149	-42.19184	-36.840	5	.000
Pair 2	Sesudah STZ - Sesudah perlakuan (750mg kersen)	34.55333	2.90724	1.18687	31.50238	37.60429	29.113	5	.000

Descriptives

GDP Sebelum perlakuan-sesudah perlakuan

	N	Mean	Std. Deviation	Std. Error	95% Confidence Interval for Mean		Minimum	Maximum
					Lower Bound	Upper Bound		
Negatif	6	-.9067	.72943	.29779	-1.6722	-.1412	-2.07	-.21
Positif	6	107.5650	.53810	.21968	107.0003	108.1297	106.95	108.41
P1	6	53.3483	3.33637	1.36207	49.8470	56.8496	51.44	60.00
P2	6	70.5367	.75277	.30732	69.7467	71.3267	69.86	71.99
P3	6	108.7217	1.82603	.74547	106.8054	110.6380	106.70	111.03
Total	30	67.8530	41.20424	7.52283	52.4671	83.2389	-2.07	111.03

Test of Homogeneity of Variances

GDP Sebelum perlakuan-sesudah perlakuan

Levene Statistic	df1	df2	Sig.
3.097	4	25	.034

ANOVA

GDP Sebelum perlakuan-sesudah perlakuan

	Sum of Squares	df	Mean Square	F	Sig.
Between Groups	49156.620	4	12289.155	3875.728	.000
Within Groups	79.270	25	3.171		
Total	49235.890	29			

Multiple Comparisons

Dependent Variable: GDP Sebelum perlakuan-sesudah perlakuan

Tukey HSD

(I) kelompok perlakuan	(J) kelompok perlakuan	Mean Difference (I-J)	Std. Error	Sig.	95% Confidence Interval	
					Lower Bound	Upper Bound
Negatif	Positif	-108.47167*	1.02807	.000	-111.4910	-105.4523
	P1	-54.25500*	1.02807	.000	-57.2743	-51.2357
	P2	-71.44333*	1.02807	.000	-74.4627	-68.4240
	P3	-109.62833*	1.02807	.000	-112.6477	-106.6090
Positif	Negatif	108.47167*	1.02807	.000	105.4523	111.4910
	P1	54.21667*	1.02807	.000	51.1973	57.2360
	P2	37.02833*	1.02807	.000	34.0090	40.0477
	P3	-1.15667	1.02807	.792	-4.1760	1.8627
P1	Negatif	54.25500*	1.02807	.000	51.2357	57.2743
	Positif	-54.21667*	1.02807	.000	-57.2360	-51.1973
	P2	-17.18833*	1.02807	.000	-20.2077	-14.1690
	P3	-55.37333*	1.02807	.000	-58.3927	-52.3540
P2	Negatif	71.44333*	1.02807	.000	68.4240	74.4627
	Positif	-37.02833*	1.02807	.000	-40.0477	-34.0090
	P1	17.18833*	1.02807	.000	14.1690	20.2077
	P3	-38.18500*	1.02807	.000	-41.2043	-35.1657
P3	Negatif	109.62833*	1.02807	.000	106.6090	112.6477
	Positif	1.15667	1.02807	.792	-1.8627	4.1760
	P1	55.37333*	1.02807	.000	52.3540	58.3927
	P2	38.18500*	1.02807	.000	35.1657	41.2043

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

GDP Sebelum perlakuan-sesudah perlakuan

Tukey HSD^a

kelompok perlakuan	N	Subset for alpha = .05			
		1	2	3	4
Negatif	6	-.9067			
P1	6		53.3483		
P2	6			70.5367	
Positif	6				107.5650
P3	6				108.7217
Sig.		1.000	1.000	1.000	.792

Means for groups in homogeneous subsets are displayed.

a. Uses Harmonic Mean Sample Size = 6.000.

Descriptives

HDL Sebelum-HDL Sesudah perlakuan

	N	Mean	Std. Deviation	Std. Error	95% Confidence Interval for Mean		Minimum	Maximum
					Lower Bound	Upper Bound		
Negatif	6	1.0017	.48243	.19695	.4954	1.5079	.38	1.48
Positif	6	-35.3850	3.00728	1.22772	-38.5409	-32.2291	-39.51	-30.66
P1	6	-10.6950	2.19263	.89514	-12.9960	-8.3940	-13.59	-7.02
P2	6	-21.0383	2.35402	.96103	-23.5087	-18.5679	-25.13	-18.63
P3	6	-37.8617	2.76443	1.12857	-40.7628	-34.9606	-41.03	-34.46
Total	30	-20.7957	15.11354	2.75934	-26.4392	-15.1522	-41.03	1.48

Test of Homogeneity of Variances

HDL Sebelum-HDL Sesudah perlakuan

Levene Statistic	df1	df2	Sig.
1.696	4	25	.183

ANOVA

HDL Sebelum-HDL Sesudah perlakuan

	Sum of Squares	df	Mean Square	F	Sig.
Between Groups	6487.819	4	1621.955	297.414	.000
Within Groups	136.338	25	5.454		
Total	6624.157	29			

Multiple Comparisons

Dependent Variable: HDL Sebelum-HDL Sesudah perlakuan
Tukey HSD

(I) Kelompok Perlakuan	(J) Kelompok Perlakuan	Mean Difference (I-J)	Std. Error	Sig.	95% Confidence Interval	
					Lower Bound	Upper Bound
Negatif	Positif	36.38667*	1.34827	.000	32.4270	40.3464
	P1	11.69667*	1.34827	.000	7.7370	15.6564
	P2	22.04000*	1.34827	.000	18.0803	25.9997
	P3	38.86333*	1.34827	.000	34.9036	42.8230
Positif	Negatif	-36.38667*	1.34827	.000	-40.3464	-32.4270
	P1	-24.69000*	1.34827	.000	-28.6497	-20.7303
	P2	-14.34667*	1.34827	.000	-18.3064	-10.3870
	P3	2.47667	1.34827	.376	-1.4830	6.4364
P1	Negatif	-11.69667*	1.34827	.000	-15.6564	-7.7370
	Positif	24.69000*	1.34827	.000	20.7303	28.6497
	P2	10.34333*	1.34827	.000	6.3836	14.3030
	P3	27.16667*	1.34827	.000	23.2070	31.1264
P2	Negatif	-22.04000*	1.34827	.000	-25.9997	-18.0803
	Positif	14.34667*	1.34827	.000	10.3870	18.3064
	P1	-10.34333*	1.34827	.000	-14.3030	-6.3836
	P3	16.82333*	1.34827	.000	12.8636	20.7830
P3	Negatif	-38.86333*	1.34827	.000	-42.8230	-34.9036
	Positif	-2.47667	1.34827	.376	-6.4364	1.4830
	P1	-27.16667*	1.34827	.000	-31.1264	-23.2070
	P2	-16.82333*	1.34827	.000	-20.7830	-12.8636

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

HDL Sebelum-HDL Sesudah perlakuan

Tukey HSD^a

Kelompok Perlakuan	N	Subset for alpha = .05			
		1	2	3	4
P3	6	-37.8617			
Positif	6	-35.3850			
P2	6		-21.0383		
P1	6			-10.6950	
Negatif	6				1.0017
Sig.		.376	1.000	1.000	1.000

Means for groups in homogeneous subsets are displayed.

a. Uses Harmonic Mean Sample Size = 6.000.

Descriptives

LDL Sebelum-LDL Sesudah perlakuan

	N	Mean	Std. Deviation	Std. Error	95% Confidence Interval for Mean		Minimum	Maximum
					Lower Bound	Upper Bound		
Negatif	6	-.9250	.50334	.20549	-1.4532	-.3968	-1.59	-.15
Positif	6	35.4633	1.64691	.67235	33.7350	37.1917	33.93	38.02
P1	6	9.6767	2.47974	1.01235	7.0743	12.2790	6.35	12.46
P2	6	30.1033	3.15903	1.28967	26.7881	33.4185	27.00	34.17
P3	6	34.5550	2.90472	1.18585	31.5067	37.6033	30.90	37.35
Total	30	21.7747	15.11790	2.76014	16.1296	27.4198	-1.59	38.02

Test of Homogeneity of Variances

LDL Sebelum-LDL Sesudah perlakuan

Levene Statistic	df1	df2	Sig.
5.882	4	25	.002

ANOVA

LDL Sebelum-LDL Sesudah perlakuan

	Sum of Squares	df	Mean Square	F	Sig.
Between Groups	6490.318	4	1622.580	294.676	.000
Within Groups	137.658	25	5.506		
Total	6627.976	29			

Multiple Comparisons

Dependent Variable: LDL Sebelum-LDL Sesudah perlakuan

Tukey HSD

(I) KP	(J) KP	Mean Difference (I-J)	Std. Error	Sig.	95% Confidence Interval	
					Lower Bound	Upper Bound
Negatif	Positif	-36.38833*	1.35478	.000	-40.3672	-32.4095
	P1	-10.60167*	1.35478	.000	-14.5805	-6.6228
	P2	-31.02833*	1.35478	.000	-35.0072	-27.0495
	P3	-35.48000*	1.35478	.000	-39.4588	-31.5012
Positif	Negatif	36.38833*	1.35478	.000	32.4095	40.3672
	P1	25.78667*	1.35478	.000	21.8078	29.7655
	P2	5.36000*	1.35478	.005	1.3812	9.3388
	P3	.90833	1.35478	.961	-3.0705	4.8872
P1	Negatif	10.60167*	1.35478	.000	6.6228	14.5805
	Positif	-25.78667*	1.35478	.000	-29.7655	-21.8078
	P2	-20.42667*	1.35478	.000	-24.4055	-16.4478
	P3	-24.87833*	1.35478	.000	-28.8572	-20.8995
P2	Negatif	31.02833*	1.35478	.000	27.0495	35.0072
	Positif	-5.36000*	1.35478	.005	-9.3388	-1.3812
	P1	20.42667*	1.35478	.000	16.4478	24.4055
	P3	-4.45167*	1.35478	.023	-8.4305	-.4728
P3	Negatif	35.48000*	1.35478	.000	31.5012	39.4588
	Positif	-.90833	1.35478	.961	-4.8872	3.0705
	P1	24.87833*	1.35478	.000	20.8995	28.8572
	P2	4.45167*	1.35478	.023	.4728	8.4305

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

LDL Sebelum-LDL Sesudah perlakuan

Tukey HSD^a

KP	N	Subset for alpha = .05			
		1	2	3	4
Negatif	6	-.9250			
P1	6		9.6767		
P2	6			30.1033	
P3	6				34.5550
Positif	6				35.4633
Sig.		1.000	1.000	1.000	.961

Means for groups in homogeneous subsets are displayed.

a. Uses Harmonic Mean Sample Size = 6.000.

LAMPIRAN 6

Dokumentasi Penelitian

