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LAMPIRAN

Lampiran 1. Surat Izin Etik Penelitian

KEMENTERIAN PENDIDIKAN, KEBUDAYAAN, RISET DAN TEKNOLOGI
UNIVERSITAS HASANUDDIN FAKULTAS KEDOKTERAN
KOMITE ETIK PENELITIAN UNIVERSITAS HASANUDDIN
RSPTN UNIVERSITAS HASANUDDIN
RSUP Dr. WAHIDIN SUDIROHUSODO MAKASSAR
Sekretariat : Lantai 2 Gedung Laboratorium Terpadu
JL.PERINTIS KEMERDEKAAN KAMPUS TAMALANREA KM.10 MAKASSAR 90245.
Contact Person: dr. Agussalim Bukhari.,MMed.PhD, SpGK TELP. 081241850858, 0411 5780103, Fax : 0411-581431

REKOMENDASI PERSETUJUAN ETIK
Nomor : 495/UN4.6.4.5.31/ PP36/ 2024

Tanggal: 2 Juli 2024

Dengan ini Menyatakan bahwa Protokol dan Dokumen yang Berhubungan Dengan Protokol berikut ini telah mendapatkan Persetujuan Etik :

No Protokol	UH24060440	No Sponsor	
Peneliti Utama	**Eka Sukmawati Dewi, S.Tr. Kes**	Sponsor	
Judul Peneliti	Pengaruh Pemberian Nata de Papaya Terhadap Profil Lipid Pada Tikus (Rattus Norvegicus) Yang Diinduksi Diet Tinggi Lemak		
No Versi Protokol	**1**	Tanggal Versi	**14 Juni 2024**
No Versi PSP		Tanggal Versi	
Tempat Penelitian	Lab Biokimia FKUH, LPPM Universitas Hasanuddin dan Balai Besar Laboratorium Kesehatan Masyarakat Makassar		
Jenis Review	[ ] Exempted [x] Expedited [ ] Fullboard Tanggal	Masa Berlaku **2 Juli 2024** sampai **2 Juli 2025**	Frekuensi review lanjutan
Ketua KEP Universitas Hasanuddin	**Prof. dr. Muh Nasrum Massi,PhD,SpMK, Subsp. Bakt(K)**	Tanda tangan	
Sekretaris KEP Universitas Hasanuddin	**dr. Firdaus Hamid, PhD, SpMK(K)**	Tanda tangan	

Kewajiban Peneliti Utama:

- Menyerahkan Amandemen Protokol untuk persetujuan sebelum di implementasikan
- Menyerahkan Laporan SAE ke Komisi Etik dalam 24 Jam dan dilengkapi dalam 7 hari dan Lapor SUSAR dalam 72 Jam setelah Peneliti Utama menerima laporan
- Menyerahkan Laporan Kemajuan (progress report) setiap 6 bulan untuk penelitian resiko tinggi dan setiap setahun untuk penelitian resiko rendah
- Menyerahkan laporan akhir setelah Penelitian berakhir
- Melaporkan penyimpangan dari prokol yang disetujui (protocol deviation / violation)
- Mematuhi semua peraturan yang ditentukan

Lampiran 2. Surat Izin Penelitian

KEMENTERIAN PENDIDIKAN KEBUDAYAAN,
RISET DAN TEKNOLOGI
UNIVERSITAS HASANUDDIN
SEKOLAH PASCASARJANA
JL. PERINTIS KEMERDEKAAN KM. 10, MAKASSAR 90245
TELEPON (0411) 586200, (6 SALURAN), 584200, FAX (0411) 585188
Laman: www.unhas.ac.id

Nomor : 02280/UN4.20.1/PT.01.04/2024 13 Maret 2024
Hal : Permohonan Izin Penggunaan Laboratorium

Yth. Kepala Laboratorium Biokimia Fak. Kedokteran
Universitas Hasanuddin
Makassar

Dengan hormat disampaikan bahwa mahasiswa Sekolah Pascasarjana Universitas Hasanuddin yang tersebut dibawah ini :

Nama	: Eka Sukmawati Dewi
Nomor Pokok	: P062222003
Program Pendidikan	: Magister (S2)
Program Studi	: Ilmu Biomedik

Bermaksud melakukan penelitian dalam rangka persiapan penulisan tesis terkait dengan judul "Pengaruh Pemberian Nata de Papaya Terhadap Profil Lipid Pada Tikus (Rattus Norvegicus) yang di Induksi Diet Tinggi Lemak".

Sehubungan dengan hal tersebut, mohon kiranya yang bersangkutan diberikan izin untuk melakukan penelitian di instansi yang Bapak/Ibu pimpin.

Atas perkenan dan kerjasamanya disampaikan terima kasih.

an. Dekan,
Wakil Dekan Bidang Akademik dan
Kemahasiswaan

Prof. Baharuddin Hamzah, ST., M.Arch., Ph.D.
NIP. 196903081995121001

Tembusan:
1. Dekan SPs. Unhas "sebagai laporan";
2. Mahasiswa yang bersangkutan;
3. Pertinggal.

Lampiran 3. Hasil Uji Pemeriksaan Kadar Serat dan Antioksidan

Kementerian Kesehatan
Labkesmas Makassar I
Jl. Perintis Kemerdekaan KM. 11 Kec. Tamalanrea
Makassar 90245
0811415655
www.bblabkesmasmakassar.go.id

LAPORAN HASIL UJI
Report of Analysis
No : 24003504 - 24003515 / LHU / BBLK-MKS / II / 2024

Nama Customer / *Customer Name*	:	EKA SUKMAWATI DEWI
Alamat / *Address*	:	Jl. Pengayoman Perum Taman Permata Sari No. 17
Jenis Sampel / *Type of Sample (S)*	:	Makanan & Minuman
No. Sampel / *No. Sample*	:	24003504 - 24003515
Tanggal Penerimaan / *Received Date*	:	20 Februari 2024 / *February 20, 2024*
Tanggal Pengujian / *Test Date*	:	20 Februari 2024 s/d 28 Februari 2024 / *February 20, 2024* to *February 28, 2024*

HASIL PEMERIKSAAN

No	No. Lab	Kode Sampel	Parameter	Satuan	Hasil Uji	Spesifikasi Metode
1	24003504	Jus Pepaya Sampel 1	Serat Kasar	%	1,94	Gravimetrik
			Antioksidan	mg/kg	45	Spektrofotometrik
2	24003505	Jus Pepaya Sampel 2	Serat Kasar	%	2,08	Gravimetrik
			Antioksidan	mg/kg	38,05	Spektrofotometrik
3	24003506	Jus Pepaya Sampel 3	Serat Kasar	%	2,47	Gravimetrik
			Antioksidan	mg/kg	45,99	Spektrofotometrik
4	24003507	Jus Pepaya Sampel 4	Serat Kasar	%	2,27	Gravimetrik
			Antioksidan	mg/kg	26,57	Spektrofotometrik
5	24003508	Nata Depapaya Sampel 5	Serat Kasar	%	1,41	Gravimetrik
			Antioksidan	mg/kg	7,96	Spektrofotometrik
6	24003509	Nata Depapaya Sampel 6	Serat Kasar	%	1,47	Gravimetrik
			Antioksidan	mg/kg	10,71	Spektrofotometrik
7	24003510	Nata Depapaya Sampel 7	Serat Kasar	%	3,70	Gravimetrik
			Antioksidan	mg/kg	6,58	Spektrofotometrik
8	24003511	Nata Depapaya Sampel 8	Serat Kasar	%	3,99	Gravimetrik
			Antioksidan	mg/kg	4,56	Spektrofotometrik
9	24003512	Nata Depapaya & Jus Pepaya Sampel 10	Serat Kasar	%	4,09	Gravimetrik
			Antioksidan	mg/kg	13,26	Spektrofotometrik
10	24003513	Nata Depapaya & Jus Pepaya Sampel 9	Serat Kasar	%	3,92	Gravimetrik
			Antioksidan	mg/kg	10,99	Spektrofotometrik
11	24003514	Nata Depapaya & Jus Pepaya Sampel 11	Serat Kasar	%	1,06	Gravimetrik
			Antioksidan	mg/kg	13,56	Spektrofotometrik
12	24003515	Nata Depapaya & Jus Pepaya Sampel 12	Serat Kasar	%	1,02	Gravimetrik
			Antioksidan	mg/kg	12,27	Spektrofotometrik

Catatan / Note :
1 Hasil uji ini berlaku untuk sampel yang diuji
The analytical result are only valid for the tested sample
2 Laporan hasil uji ini terdiri dari 1 halaman
The report of analysis consists of 1 page
3 Laporan hasil uji ini tidak boleh digandakan kecuali secara lengkap dan seizin tertulis Laboratorium Penguji Labkesmas Makassar I
This report of analysis shall not be reproduced (copyed) except for the completed one and with theis written permission of the testing Laboratory Labkesmas Makassar I

Makassar, 6 Maret 2024
Koordinator Pelayanan,

dr. IRMAWATY HAERUDDIN
NIP. 19931028201012001

Lampiran 4. Data Primer

Perlakuan	BB T1 (g)	BB T2(g)	BB T3 (g)
K+ (1)	190	215	214
K+ (2)	172	197	194
K+ (3)	170	206	203
K+ (4)	175	203	200
K+ (5)	180	207	205
K- (1)	199	210	215
K- (2)	176	200	207
K- (3)	188	196	200
K- (4)	190	208	213
K- (5)	197	206	211
NdP1 (1)	189	199	200
NdP1 (2)	173	196	194
NdP1 (3)	180	201	202
NdP1 (4)	176	195	192
NdP1 (5)	193	206	202
NdP2 (1)	197	211	206
NdP2 (2)	179	204	202
NdP2 (3)	188	200	201
NdP2 (4)	186	201	199
NdP2 (5)	183	199	197
NdP3 (1)	189	199	195
NdP3 (2)	186	209	206
NdP3 (3)	190	206	200
NdP3 (4)	195	208	205
NdP3 (5)	199	212	207

Perlakuan	KOLESTEROL TOTAL					
	T1		T2		T3	
	Abs 1	Abs 2	Abs 1	Abs 2	Abs 1	Abs 2
K+ (1)	0.061	0.064	0.100	0.097	0.078	0.082
K+ (2)	0.060	0.061	0.099	0.088	0.087	0.090
K+ (3)	0.049	0.050	0.110	0.106	0.072	0.079
K+ (4)	0.051	0.055	0.099	0.090	0.079	0.081
K+ (5)	0.059	0.084	0.105	0.103	0.075	0.078
K- (1)	0.067	0.092	0.115	0.111	0.087	0.091
K- (2)	0.056	0.060	0.101	0.085	0.095	0.099
K- (3)	0.069	0.071	0.105	0.094	0.093	0.097
K- (4)	0.070	0.076	0.112	0.112	0.099	0.098
K- (5)	0.063	0.086	0.105	0.106	0.097	0.099
NdP3 (1)	0.065	0.075	0.093	0.091	0.087	0.083
NdP3 (2)	0.041	0.064	0.093	0.084	0.075	0.071
NdP3 (3)	0.058	0.056	0.099	0.035	0.070	0.066
NdP3 (4)	0.056	0.050	0.080	0.080	0.077	0.074
NdP3 (5)	0.062	0.068	0.116	0.095	0.076	0.072
NdP4 (1)	0.070	0.076	0.094	0.133	0.086	0.089
NdP4 (2)	0.046	0.047	0.084	0.106	0.071	0.075

Perlakuan	KOLESTEROL TOTAL					
	T1		T2		T3	
	Abs 1	Abs 2	Abs 1	Abs 2	Abs 1	Abs 2
NdP4 (3)	0.060	0.060	0.075	0.091	0.071	0.077
NdP4 (4)	0.053	0.064	0.081	0.086	0.081	0.086
NdP4 (5)	0.058	0.053	0.075	0.083	0.066	0.070
NdP5 (1)	0.052	0.042	0.086	0.074	0.068	0.072
NdP5 (2)	0.052	0.050	0.088	0.120	0.089	0.093
NdP5 (3)	0.075	0.083	0.099	0.077	0.075	0.079
NdP5 (4)	0.054	0.079	0.103	0.087	0.068	0.072
NdP5 (5)	0.065	0.058	0.099	0.088	0.073	0.076

Perlakuan	TRIGLISERIDA					
	T1		T2		T3	
	Abs 1	Abs 2	Abs 1	Abs 2	Abs 1	Abs 2
K+ (1)	0.069	0.048	0.043	0.049	0.028	0.034
K+ (2)	0.062	0.061	0.054	0.060	0.018	0.023
K+ (3)	0.051	0.051	0.038	0.044	0.015	0.011
K+ (4)	0.039	0.044	0.036	0.041	0.016	0.021
K+ (5)	0.054	0.055	0.050	0.040	0.022	0.026
K- (1)	0.045	0.034	0.040	0.046	0.026	0.038
K- (2)	0.045	0.052	0.037	0.042	0.022	0.038
K- (3)	0.037	0.042	0.036	0.040	0.028	0.026
K- (4)	0.078	0.047	0.042	0.048	0.028	0.031
K- (5)	0.067	0.075	0.047	0.054	0.039	0.063
NdP3 (1)	0.040	0.029	0.023	0.029	0.028	0.032
NdP3 (2)	0.028	0.027	0.030	0.035	0.034	0.041
NdP3 (3)	0.020	0.020	0.033	0.039	0.037	0.045
NdP3 (4)	0.053	0.044	0.073	0.076	0.010	0.014
NdP3 (5)	0.029	0.016	0.059	0.054	0.054	0.052
NdP4 (1)	0.028	0.024	0.050	0.048	0.014	0.020
NdP4 (2)	0.041	0.043	0.033	0.030	0.025	0.028
NdP4 (3)	0.023	0.026	0.042	0.038	0.023	0.027
NdP4 (4)	0.034	0.036	0.050	0.046	0.022	0.028
NdP4 (5)	0.032	0.034	0.049	0.045	0.030	0.035
NdP5 (1)	0.024	0.033	0.045	0.050	0.026	0.024
NdP5 (2)	0.027	0.033	0.026	0.031	0.022	0.021
NdP5 (3)	0.026	0.024	0.038	0.044	0.016	0.020
NdP5 (4)	0.044	0.056	0.037	0.040	0.022	0.026
NdP5 (5)	0.032	0.037	0.049	0.054	0.012	0.018

Perlakuan	HDL					
	T1		T2		T3	
	Abs 1	Abs 2	Abs 1	Abs 2	Abs 1	Abs 2
K+ (1)	0.101	0.097	0.043	0.040	0.026	0.028
K+ (2)	0.059	0.060	0.041	0.042	0.032	0.032
K+ (3)	0.053	0.061	0.043	0.041	0.027	0.027
K+ (4)	0.063	0.072	0.042	0.041	0.039	0.039

Perlakuan	HDL					
	T1		T2		T3	
	Abs 1	Abs 2	Abs 1	Abs 2	Abs 1	Abs 2
K+ (5)	0.083	0.082	0.048	0.045	0.033	0.047
K- (1)	0.081	0.108	0.048	0.047	0.037	0.035
K- (2)	0.068	0.080	0.049	0.049	0.027	0.023
K- (3)	0.065	0.099	0.044	0.044	0.024	0.022
K- (4)	0.076	0.097	0.047	0.047	0.035	0.033
K- (5)	0.069	0.097	0.045	0.045	0.036	0.033
NdP3 (1)	0.068	0.093	0.035	0.035	0.022	0.021
NdP3 (2)	0.039	0.069	0.042	0.043	0.027	0.026
NdP3 (3)	0.060	0.078	0.044	0.042	0.033	0.029
NdP3 (4)	0.044	0.073	0.035	0.034	0.029	0.027
NdP3 (5)	0.072	0.097	0.047	0.047	0.029	0.027
NdP4 (1)	0.066	0.094	0.040	0.041	0.031	0.030
NdP4 (2)	0.045	0.072	0.034	0.034	0.030	0.025
NdP4 (3)	0.076	0.106	0.044	0.044	0.035	0.031
NdP4 (4)	0.056	0.091	0.045	0.045	0.028	0.024
NdP4 (5)	0.061	0.095	0.047	0.047	0.030	0.025
NdP5 (1)	0.054	0.095	0.042	0.041	0.031	0.030
NdP5 (2)	0.056	0.084	0.049	0.043	0.039	0.034
NdP5 (3)	0.081	0.106	0.042	0.040	0.034	0.030
NdP5 (4)	0.052	0.087	0.045	0.043	0.031	0.025
NdP5 (5)	0.059	0.088	0.042	0.040	0.039	0.032

Lampiran 5. Analisis Data

3.4.4.1 Data Berat Badan

Descriptives

		N	Mean	SD	SE	95% Confidence Interval for Mean Lower Bound	95% Confidence Interval for Mean Upper Bound	Min	Max
K_pos	T1	5	177.40	7.987	3.572	167.48	187.32	170	190
	T2	5	205.60	6.542	2.926	197.48	213.72	197	215
	T3	5	203.20	7.328	3.277	194.10	212.30	194	214
	Total	15	195.40	14.846	3.833	187.18	203.62	170	215
K_neg	T1	5	190.00	9.083	4.062	178.72	201.28	176	199
	T2	5	204.00	5.831	2.608	196.76	211.24	196	210
	T3	5	209.20	5.933	2.653	201.83	216.57	200	215
	Total	15	201.07	10.667	2.754	195.16	206.97	176	215
NdP1	T1	5	182.20	8.526	3.813	171.61	192.79	173	193
	T2	5	199.40	4.393	1.965	193.95	204.85	195	206
	T3	5	198.00	4.690	2.098	192.18	203.82	192	202
	Total	15	193.20	9.886	2.553	187.73	198.67	173	206
NdP2	T1	5	186.60	6.731	3.010	178.24	194.96	179	197
	T2	5	203.00	4.848	2.168	196.98	209.02	199	211
	T3	5	201.00	3.391	1.517	196.79	205.21	197	206
	Total	15	196.87	8.951	2.311	191.91	201.82	179	211
NdP3	T1	5	191.80	5.167	2.311	185.38	198.22	186	199
	T2	5	206.80	4.868	2.177	200.76	212.84	199	212
	T3	5	202.60	5.030	2.249	196.35	208.85	195	207
	Total	15	200.40	8.025	2.072	195.96	204.84	186	212

Test of Homogeneity of Variances

		Levene Statistic	df1	df2	Sig.
K_pos	Based on Mean	.173	2	12	.843
	Based on Median	.074	2	12	.929
	Based on Median and with adjusted df	.074	2	11.425	.929
	Based on trimmed mean	.156	2	12	.858
K_neg	Based on Mean	.328	2	12	.726
	Based on Median	.351	2	12	.711

	Based on Median and with adjusted df	.351	2	10.724	.712
	Based on trimmed mean	.362	2	12	.703
NdP1	Based on Mean	3.212	2	12	.076
	Based on Median	1.239	2	12	.324
	Based on Median and with adjusted df	1.239	2	9.294	.333
	Based on trimmed mean	3.093	2	12	.083
NdP2	Based on Mean	.695	2	12	.518
	Based on Median	.473	2	12	.634
	Based on Median and with adjusted df	.473	2	9.691	.637
	Based on trimmed mean	.652	2	12	.539
NdP3	Based on Mean	.126	2	12	.882
	Based on Median	.034	2	12	.967
	Based on Median and with adjusted df	.034	2	11.824	.967
	Based on trimmed mean	.123	2	12	.886

ANOVA

		Sum of Squares	df	Mean Square	F	Sig.
K_pos	Between Groups	2444.400	2	1222.200	22.873	.000
	Within Groups	641.200	12	53.433		
	Total	3085.600	14			
K_neg	Between Groups	986.133	2	493.067	9.751	.003
	Within Groups	606.800	12	50.567		
	Total	1592.933	14			
NdP1	Between Groups	912.400	2	456.200	12.005	.001
	Within Groups	456.000	12	38.000		
	Total	1368.400	14			
NdP2	Between Groups	800.533	2	400.267	14.954	.001
	Within Groups	321.200	12	26.767		
	Total	1121.733	14			
NdP3	Between Groups	598.800	2	299.400	11.865	.001
	Within Groups	302.800	12	25.233		
	Total	901.600	14			

Multiple Comparisons

Tukey HSD

Dependent Variable	I	J	Mean Difference (I-J)	Std. Error	Sig.	95% Confidence Interval Lower Bound	95% Confidence Interval Upper Bound
K_pos	T1	T2	-28.200*	4.623	.000	-40.53	-15.87
		T3	-25.800*	4.623	.000	-38.13	-13.47
	T2	T1	28.200*	4.623	.000	15.87	40.53
		T3	2.400	4.623	.864	-9.93	14.73
	T3	T1	25.800*	4.623	.000	13.47	38.13
		T2	-2.400	4.623	.864	-14.73	9.93
K_neg	T1	T2	-14.000*	4.497	.023	-26.00	-2.00
		T3	-19.200*	4.497	.003	-31.20	-7.20
	T2	T1	14.000*	4.497	.023	2.00	26.00
		T3	-5.200	4.497	.500	-17.20	6.80
	T3	T1	19.200*	4.497	.003	7.20	31.20
		T2	5.200	4.497	.500	-6.80	17.20
NdP1	T1	T2	-17.200*	3.899	.002	-27.60	-6.80
		T3	-15.800*	3.899	.004	-26.20	-5.40
	T2	T1	17.200*	3.899	.002	6.80	27.60
		T3	1.400	3.899	.932	-9.00	11.80
	T3	T1	15.800*	3.899	.004	5.40	26.20
		T2	-1.400	3.899	.932	-11.80	9.00
NdP2	T1	T2	-16.400*	3.272	.001	-25.13	-7.67
		T3	-14.400*	3.272	.002	-23.13	-5.67
	T2	T1	16.400*	3.272	.001	7.67	25.13
		T3	2.000	3.272	.817	-6.73	10.73
	T3	T1	14.400*	3.272	.002	5.67	23.13
		T2	-2.000	3.272	.817	-10.73	6.73
NdP3	T1	T2	-15.000*	3.177	.001	-23.48	-6.52
		T3	-10.800*	3.177	.014	-19.28	-2.32
	T2	T1	15.000*	3.177	.001	6.52	23.48
		T3	4.200	3.177	.410	-4.28	12.68
	T3	T1	10.800*	3.177	.014	2.32	19.28
		T2	-4.200	3.177	.410	-12.68	4.28

*. The mean difference is significant at the 0.05 level.

3.4.4.2 Data Profil Lipid

Descriptives

		N	Mean	SD	SE	95% Confidence Interval for Mean Lower Bound	95% Confidence Interval for Mean Upper Bound	Min	Max
TC_K_Pos	T1	5	93.8808	6.45005	2.88455	85.8720	101.8896	85.82	101.49
	T2	5	105.5026	5.65679	2.52980	98.4788	112.5264	100.00	114.29
	T3	5	95.1764	2.86393	1.28079	91.6204	98.7324	92.35	98.82
	Total	15	98.1866	7.23505	1.86808	94.1800	102.1932	85.82	114.29
TC_K_Neg	T1	5	105.9702	11.99857	5.36592	91.0720	120.8684	86.57	118.66
	T2	5	110.6880	8.95891	4.00655	99.5640	121.8120	98.41	119.58
	T3	5	112.3532	6.41710	2.86981	104.3853	120.3211	104.71	118.82
	Total	15	109.6705	9.14662	2.36165	104.6052	114.7357	86.57	119.58
TC_NdP1	T1	5	88.8060	8.83017	3.94897	77.8419	99.7701	78.36	99.25
	T2	5	91.6402	7.23914	3.23744	82.6516	100.6288	83.60	99.47
	T3	5	89.0588	6.41161	2.86736	81.0977	97.0199	83.53	100.00
	Total	15	89.8350	7.12412	1.83944	85.8898	93.7802	78.36	100.00
TC_NdP2	T1	5	88.6568	8.11324	3.62835	78.5829	98.7307	79.85	100.75
	T2	5	96.0846	7.52555	3.36553	86.7404	105.4288	85.71	105.82
	T3	5	91.4118	5.30398	2.37201	84.8260	97.9976	84.71	99.41
	Total	15	92.0511	7.28677	1.88144	88.0158	96.0863	79.85	105.82
TC_NdP3	T1	5	91.0450	7.13824	3.19232	82.1817	99.9083	82.09	98.51
	T2	5	97.4604	4.27237	1.91066	92.1556	102.7652	89.95	100.53
	T3	5	90.9410	5.22179	2.33526	84.4573	97.4247	83.53	97.65
	Total	15	93.1488	6.12576	1.58167	89.7565	96.5411	82.09	100.53
TG_K_Pos	T1	5	86.2964	6.46169	2.88976	78.2732	94.3196	75.00	90.74
	T2	5	94.6390	3.45003	1.54290	90.3552	98.9228	89.69	97.94
	T3	5	60.7500	9.58514	4.28661	48.8485	72.6515	55.00	77.50
	Total	15	80.5618	16.25671	4.19746	71.5591	89.5645	55.00	97.94
TG_K_Neg	T1	5	89.0738	12.04424	5.38635	74.1189	104.0287	81.48	110.19
	T2	5	90.3092	12.61782	5.64286	74.6421	105.9763	81.44	112.37
	T3	5	91.7500	12.70458	5.68166	75.9752	107.5248	82.50	113.75
	Total	15	90.3777	11.59020	2.99258	83.9592	96.7961	81.44	113.75
TG_NdP1	T1	5	56.6666	14.17027	6.33714	39.0719	74.2613	45.37	80.56
	T2	5	92.9898	9.92568	4.43890	80.6654	105.3142	85.57	110.31
	T3	5	84.7500	8.07194	3.60988	74.7274	94.7726	76.25	93.75
	Total	15	78.1355	19.05718	4.92054	67.5820	88.6890	45.37	110.31
TG_NdP2	T1	5	59.4444	13.16662	5.88829	43.0959	75.7929	45.37	77.78
	T2	5	85.7732	10.74820	4.80674	72.4275	99.1189	76.29	98.97
	T3	5	63.0000	13.82367	6.18213	45.8357	80.1643	42.50	81.25

	Total	15	69.4059	16.81982	4.34286	60.0914	78.7204	42.50	98.97
TG_NdP3	T1	5	62.2224	18.11380	8.10074	39.7311	84.7137	46.30	92.59
	T2	5	84.3298	15.07044	6.73971	65.6174	103.0422	58.76	95.88
	T3	5	51.7500	3.70810	1.65831	47.1458	56.3542	46.25	56.25
	Total	15	66.1007	18.97805	4.90011	55.5910	76.6104	46.25	95.88
HDL_K_Pos	T1	5	63.0172	11.66745	5.21784	48.5301	77.5043	51.29	78.88
	T2	5	62.6470	11.72321	5.24278	48.0907	77.2033	50.74	78.68
	T3	5	73.4090	4.58788	2.05176	67.7124	79.1056	67.05	79.55
	Total	15	66.3577	10.52783	2.71827	60.5276	72.1879	50.74	79.55
HDL_K_Neg	T1	5	72.4140	6.41521	2.86897	64.4485	80.3795	63.79	81.47
	T2	5	67.9410	4.30645	1.92590	62.5938	73.2882	63.24	73.53
	T3	5	69.3182	4.75384	2.12598	63.4155	75.2209	63.64	73.86
	Total	15	69.8911	5.22137	1.34815	66.9996	72.7826	63.24	81.47
HDL_NdP1	T1	5	63.7072	6.90596	3.08844	55.1323	72.2821	57.76	72.85
	T2	5	58.9706	7.80597	3.49093	49.2782	68.6630	50.74	69.12
	T3	5	61.8182	4.37154	1.95501	56.3902	67.2462	57.96	69.32
	Total	15	61.4987	6.36843	1.64432	57.9719	65.0254	50.74	72.85
HDL_NdP2	T1	5	65.6896	10.17547	4.55061	53.0551	78.3241	50.43	78.45
	T2	5	61.9118	7.23056	3.23360	52.9339	70.8897	50.00	68.38
	T3	5	66.1362	5.98071	2.67465	58.7102	73.5622	59.09	75.00
	Total	15	64.5792	7.65423	1.97631	60.3404	68.8180	50.00	78.45
HDL_NdP3	T1	5	65.6894	2.10264	.94033	63.0786	68.3002	63.36	68.10
	T2	5	62.7940	3.27195	1.46326	58.7313	66.8567	60.29	67.65
	T3	5	73.8636	5.68180	2.54098	66.8087	80.9185	68.18	81.82
	Total	15	67.4490	6.08980	1.57238	64.0766	70.8214	60.29	81.82
LDL_K_Pos	T1	5	13.6042	5.75603	2.57418	6.4571	20.7513	4.65	19.93
	T2	5	23.9276	14.19280	6.34721	6.3049	41.5503	6.79	43.96
	T3	5	9.6174	3.75824	1.68074	4.9509	14.2839	6.49	15.23
	Total	15	15.7164	10.48871	2.70817	9.9079	21.5249	4.65	43.96
LDL_K_Neg	T1	5	15.7416	5.80338	2.59535	8.5358	22.9474	5.74	20.90
	T2	5	24.6846	7.28283	3.25698	15.6418	33.7274	17.84	34.61
	T3	5	24.6848	4.51383	2.01865	19.0801	30.2895	17.42	28.21
	Total	15	21.7037	7.04562	1.81917	17.8019	25.6054	5.74	34.61
LDL_K_NdP1	T1	5	13.7658	4.71052	2.10661	7.9169	19.6147	7.67	18.76
	T2	5	14.0718	8.93585	3.99623	2.9765	25.1671	4.63	28.77
	T3	5	10.2906	9.55477	4.27302	-1.5732	22.1544	2.49	26.80
	Total	15	12.7094	7.64125	1.97296	8.4778	16.9410	2.49	28.77
LDL_K_NdP2	T1	5	11.0780	7.88697	3.52716	1.2850	20.8710	3.37	22.15
	T2	5	17.0184	12.36632	5.53039	1.6636	32.3732	3.55	34.33
	T3	5	12.6752	9.88399	4.42026	.4026	24.9478	1.41	23.87

	Total	15	13.5905	9.80451	2.53151	8.1610	19.0201	1.41	34.33
LDL_K_NdP3	T1	5	12.9108	6.40756	2.86555	4.9548	20.8668	3.31	20.13
	T2	5	17.8000	3.92254	1.75421	12.9295	22.6705	11.39	21.21
	T3	5	6.7276	3.02409	1.35241	2.9727	10.4825	3.46	10.98
	Total	15	12.4795	6.38214	1.64786	8.9452	16.0138	3.31	21.21

Multiple Comparisons

Tukey HSD

Dependent Variable	(I)	(J)	Mean Difference (I-J)	Std. Error	Sig.	95% Confidence Interval	
						Lower Bound	Upper Bound
TC_K_Pos	T1	T2	-11.62180*	3.30261	.011	-20.4327	-2.8109
		T3	-1.29560	3.30261	.919	-10.1065	7.5153
	T2	T1	11.62180*	3.30261	.011	2.8109	20.4327
		T3	10.32620*	3.30261	.022	1.5153	19.1371
	T3	T1	1.29560	3.30261	.919	-7.5153	10.1065
		T2	-10.32620*	3.30261	.022	-19.1371	-1.5153
TC_K_Neg	T1	T2	-4.71780	5.94875	.714	-20.5882	11.1526
		T3	-6.38300	5.94875	.548	-22.2534	9.4874
	T2	T1	4.71780	5.94875	.714	-11.1526	20.5882
		T3	-1.66520	5.94875	.958	-17.5356	14.2052
	T3	T1	6.38300	5.94875	.548	-9.4874	22.2534
		T2	1.66520	5.94875	.958	-14.2052	17.5356
TC_NdP1	T1	T2	-2.83420	4.78171	.827	-15.5912	9.9228
		T3	-.25280	4.78171	.998	-13.0098	12.5042
	T2	T1	2.83420	4.78171	.827	-9.9228	15.5912
		T3	2.58140	4.78171	.853	-10.1756	15.3384
	T3	T1	.25280	4.78171	.998	-12.5042	13.0098
		T2	-2.58140	4.78171	.853	-15.3384	10.1756
TC_NdP2	T1	T2	-7.42780	4.48093	.261	-19.3823	4.5267
		T3	-2.75500	4.48093	.815	-14.7095	9.1995
	T2	T1	7.42780	4.48093	.261	-4.5267	19.3823
		T3	4.67280	4.48093	.565	-7.2817	16.6273
	T3	T1	2.75500	4.48093	.815	-9.1995	14.7095
		T2	-4.67280	4.48093	.565	-16.6273	7.2817
TC_NdP3	T1	T2	-6.41540	3.58654	.215	-15.9838	3.1530
		T3	.10400	3.58654	1.000	-9.4644	9.6724
	T2	T1	6.41540	3.58654	.215	-3.1530	15.9838
		T3	6.51940	3.58654	.205	-3.0490	16.0878
	T3	T1	-.10400	3.58654	1.000	-9.6724	9.4644

		T2	-6.51940	3.58654	.205	-16.0878	3.0490
TG_K_Pos	T1	T2	-8.34260	4.40501	.183	-20.0946	3.4094
		T3	25.54640*	4.40501	.000	13.7944	37.2984
	T2	T1	8.34260	4.40501	.183	-3.4094	20.0946
		T3	33.88900*	4.40501	.000	22.1370	45.6410
	T3	T1	-25.54640*	4.40501	.000	-37.2984	-13.7944
		T2	-33.88900*	4.40501	.000	-45.6410	-22.1370
TG_K_Neg	T1	T2	-1.23540	7.87976	.987	-22.2575	19.7867
		T3	-2.67620	7.87976	.939	-23.6983	18.3459
	T2	T1	1.23540	7.87976	.987	-19.7867	22.2575
		T3	-1.44080	7.87976	.982	-22.4629	19.5813
	T3	T1	2.67620	7.87976	.939	-18.3459	23.6983
		T2	1.44080	7.87976	.982	-19.5813	22.4629
TG_NdP1	T1	T2	-36.32320*	6.97110	.001	-54.9212	-17.7252
		T3	-28.08340*	6.97110	.004	-46.6814	-9.4854
	T2	T1	36.32320*	6.97110	.001	17.7252	54.9212
		T3	8.23980	6.97110	.485	-10.3582	26.8378
	T3	T1	28.08340*	6.97110	.004	9.4854	46.6814
		T2	-8.23980	6.97110	.485	-26.8378	10.3582
TG_NdP2	T1	T2	-26.32880*	7.99981	.016	-47.6712	-4.9864
		T3	-3.55560	7.99981	.898	-24.8980	17.7868
	T2	T1	26.32880*	7.99981	.016	4.9864	47.6712
		T3	22.77320*	7.99981	.036	1.4308	44.1156
	T3	T1	3.55560	7.99981	.898	-17.7868	24.8980
		T2	-22.77320*	7.99981	.036	-44.1156	-1.4308
TG_NdP3	T1	T2	-22.10740	8.70998	.063	-45.3444	1.1296
		T3	10.47240	8.70998	.474	-12.7646	33.7094
	T2	T1	22.10740	8.70998	.063	-1.1296	45.3444
		T3	32.57980*	8.70998	.007	9.3428	55.8168
	T3	T1	-10.47240	8.70998	.474	-33.7094	12.7646
		T2	-32.57980*	8.70998	.007	-55.8168	-9.3428
HDL_K_Pos	T1	T2	.37020	6.26750	.998	-16.3506	17.0910
		T3	-10.39180	6.26750	.261	-27.1126	6.3290
	T2	T1	-.37020	6.26750	.998	-17.0910	16.3506
		T3	-10.76200	6.26750	.239	-27.4828	5.9588
	T3	T1	10.39180	6.26750	.261	-6.3290	27.1126
		T2	10.76200	6.26750	.239	-5.9588	27.4828
HDL_K_Neg	T1	T2	4.47300	3.31259	.396	-4.3645	13.3105
		T3	3.09580	3.31259	.630	-5.7417	11.9333
	T2	T1	-4.47300	3.31259	.396	-13.3105	4.3645

		T3	-1.37720	3.31259	.910	-10.2147	7.4603
	T3	T1	-3.09580	3.31259	.630	-11.9333	5.7417
		T2	1.37720	3.31259	.910	-7.4603	10.2147
HDL_NdP1	T1	T2	4.73660	4.12692	.505	-6.2734	15.7466
		T3	1.88900	4.12692	.892	-9.1210	12.8990
	T2	T1	-4.73660	4.12692	.505	-15.7466	6.2734
		T3	-2.84760	4.12692	.774	-13.8576	8.1624
	T3	T1	-1.88900	4.12692	.892	-12.8990	9.1210
		T2	2.84760	4.12692	.774	-8.1624	13.8576
HDL_NdP2	T1	T2	3.77780	5.05424	.741	-9.7062	17.2618
		T3	-.44660	5.05424	.996	-13.9306	13.0374
	T2	T1	-3.77780	5.05424	.741	-17.2618	9.7062
		T3	-4.22440	5.05424	.689	-17.7084	9.2596
	T3	T1	.44660	5.05424	.996	-13.0374	13.9306
		T2	4.22440	5.05424	.689	-9.2596	17.7084
HDL_NdP3	T1	T2	2.89540	2.51422	.503	-3.8122	9.6030
		T3	-8.17420*	2.51422	.018	-14.8818	-1.4666
	T2	T1	-2.89540	2.51422	.503	-9.6030	3.8122
		T3	-11.06960*	2.51422	.002	-17.7772	-4.3620
	T3	T1	8.17420*	2.51422	.018	1.4666	14.8818
		T2	11.06960*	2.51422	.002	4.3620	17.7772
LDL_K_Pos	T1	T2	-10.32340	5.75838	.213	-25.6860	5.0392
		T3	3.98680	5.75838	.772	-11.3758	19.3494
	T2	T1	10.32340	5.75838	.213	-5.0392	25.6860
		T3	14.31020	5.75838	.069	-1.0524	29.6728
	T3	T1	-3.98680	5.75838	.772	-19.3494	11.3758
		T2	-14.31020	5.75838	.069	-29.6728	1.0524
LDL_K_Neg	T1	T2	-8.94300	3.77877	.084	-19.0243	1.1383
		T3	-8.94320	3.77877	.084	-19.0245	1.1381
	T2	T1	8.94300	3.77877	.084	-1.1383	19.0243
		T3	-.00020	3.77877	1.000	-10.0815	10.0811
	T3	T1	8.94320	3.77877	.084	-1.1381	19.0245
		T2	.00020	3.77877	1.000	-10.0811	10.0815
LDL_K_NdP1	T1	T2	-.30600	5.07716	.998	-13.8512	13.2392
		T3	3.47520	5.07716	.777	-10.0700	17.0204
	T2	T1	.30600	5.07716	.998	-13.2392	13.8512
		T3	3.78120	5.07716	.742	-9.7640	17.3264
	T3	T1	-3.47520	5.07716	.777	-17.0204	10.0700
		T2	-3.78120	5.07716	.742	-17.3264	9.7640
LDL_K_NdP2	T1	T2	-5.94040	6.45831	.639	-23.1703	11.2895

		T3	-1.59720	6.45831	.967	-18.8271	15.6327
	T2	T1	5.94040	6.45831	.639	-11.2895	23.1703
		T3	4.34320	6.45831	.783	-12.8867	21.5731
	T3	T1	1.59720	6.45831	.967	-15.6327	18.8271
		T2	-4.34320	6.45831	.783	-21.5731	12.8867
LDL_K_NdP3	T1	T2	-4.88920	2.95721	.262	-12.7786	3.0002
		T3	6.18320	2.95721	.134	-1.7062	14.0726
	T2	T1	4.88920	2.95721	.262	-3.0002	12.7786
		T3	11.07240*	2.95721	.007	3.1830	18.9618
	T3	T1	-6.18320	2.95721	.134	-14.0726	1.7062
		T2	-11.07240*	2.95721	.007	-18.9618	-3.1830

*. The mean difference is significant at the 0.05 level.

Multiple Comparisons

Tukey HSD

Dependent Variable	(I)	(J)	Mean Difference (I-J)	Std. Error	Sig.
Kolesterol Total	Kpos	Kneg	10.68800*	3.09862	.019
		NdP1	6.90200	3.09862	.210
		NdP2	5.03800	3.09862	.499
		NdP3	3.39000	3.09862	.808
	Kneg	Kpos	-10.68800*	3.09862	.019
		NdP1	-3.78600	3.09862	.739
		NdP2	-5.65000	3.09862	.388
		NdP3	-7.29800	3.09862	.169
	NdP1	Kpos	-6.90200	3.09862	.210
		Kneg	3.78600	3.09862	.739
		NdP2	-1.86400	3.09862	.973
		NdP3	-3.51200	3.09862	.787
	NdP2	Kpos	-5.03800	3.09862	.499
		Kneg	5.65000	3.09862	.388
		NdP1	1.86400	3.09862	.973
		NdP3	-1.64800	3.09862	.983
	NdP3	Kpos	-3.39000	3.09862	.808
		Kneg	7.29800	3.09862	.169
		NdP1	3.51200	3.09862	.787
		NdP2	1.64800	3.09862	.983
Trigliserida	Kpos	Kneg	7.35600*	1.79330	.004
		NdP1	5.34000	1.79330	.052
		NdP2	2.31200	1.79330	.701

		NdP3	.27200	1.79330	1.000
	Kneg	Kpos	-7.35600*	1.79330	.004
		NdP1	-2.01600	1.79330	.792
		NdP2	-5.04400	1.79330	.072
		NdP3	-7.08400*	1.79330	.006
	NdP1	Kpos	-5.34000	1.79330	.052
		Kneg	2.01600	1.79330	.792
		NdP2	-3.02800	1.79330	.463
		NdP3	-5.06800	1.79330	.070
	NdP2	Kpos	-2.31200	1.79330	.701
		Kneg	5.04400	1.79330	.072
		NdP1	3.02800	1.79330	.463
		NdP3	-2.04000	1.79330	.785
	NdP3	Kpos	-.27200	1.79330	1.000
		Kneg	7.08400*	1.79330	.006
		NdP1	5.06800	1.79330	.070
		NdP2	2.04000	1.79330	.785
HDL	Kpos	Kneg	6.19600	2.23698	.078
		NdP1	5.22600	2.23698	.175
		NdP2	4.31600	2.23698	.335
		NdP3	-.20400	2.23698	1.000
	Kneg	Kpos	-6.19600	2.23698	.078
		NdP1	-.97000	2.23698	.992
		NdP2	-1.88000	2.23698	.915
		NdP3	-6.40000	2.23698	.065
	NdP1	Kpos	-5.22600	2.23698	.175
		Kneg	.97000	2.23698	.992
		NdP2	-.91000	2.23698	.994
		NdP3	-5.43000	2.23698	.149
	NdP2	Kpos	-4.31600	2.23698	.335
		Kneg	1.88000	2.23698	.915
		NdP1	.91000	2.23698	.994
		NdP3	-4.52000	2.23698	.292
	NdP3	Kpos	.20400	2.23698	1.000
		Kneg	6.40000	2.23698	.065
		NdP1	5.43000	2.23698	.149
		NdP2	4.52000	2.23698	.292
LDL	Kpos	Kneg	8.54400*	2.70576	.035
		NdP1	6.28600	2.70576	.179
		NdP2	5.95000	2.70576	.220

		NdP3	1.93600	2.70576	.950
	Kneg	Kpos	-8.54400*	2.70576	.035
		NdP1	-2.25800	2.70576	.917
		NdP2	-2.59400	2.70576	.870
		NdP3	-6.60800	2.70576	.145
	NdP1	Kpos	-6.28600	2.70576	.179
		Kneg	2.25800	2.70576	.917
		NdP2	-.33600	2.70576	1.000
		NdP3	-4.35000	2.70576	.510
	NdP2	Kpos	-5.95000	2.70576	.220
		Kneg	2.59400	2.70576	.870
		NdP1	.33600	2.70576	1.000
		NdP3	-4.01400	2.70576	.584
	NdP3	Kpos	-1.93600	2.70576	.950
		Kneg	6.60800	2.70576	.145
		NdP1	4.35000	2.70576	.510
		NdP2	4.01400	2.70576	.584
Berat Badan	Kpos	Kneg	31.66600*	4.33051	.000
		NdP1	4.16800	4.33051	.869
		NdP2	1.67000	4.33051	.995
		NdP3	-7.50000	4.33051	.438
	Kneg	Kpos	-31.66600*	4.33051	.000
		NdP1	-27.49800*	4.33051	.000
		NdP2	-29.99600*	4.33051	.000
		NdP3	-39.16600*	4.33051	.000
	NdP1	Kpos	-4.16800	4.33051	.869
		Kneg	27.49800*	4.33051	.000
		NdP2	-2.49800	4.33051	.977
		NdP3	-11.66800	4.33051	.090
	NdP2	Kpos	-1.67000	4.33051	.995
		Kneg	29.99600*	4.33051	.000
		NdP1	2.49800	4.33051	.977
		NdP3	-9.17000	4.33051	.251
	NdP3	Kpos	7.50000	4.33051	.438
		Kneg	39.16600*	4.33051	.000
		NdP1	11.66800	4.33051	.090
		NdP2	9.17000	4.33051	.251

*. The mean difference is significant at the 0.05 level.

Lampiran 6. Dokumentasi Penelitian

Pembuatan Nata De papaya		
 Pepaya California	 Proses penimbangan pepaya	 Proses pemblenderan pepaya
 Penyaringan sari pepaya	 Pemanasan sari pepaya setelah penambahan gula dan ZA food grade	 Sari pepaya dimasukan dalam botol steril
 Bibit Nata	 Lapisan nata yang terbentuk	 Nata de papaya
Perlakuan Pada Hewan Coba		
 Kandang Hewan coba	 *Rattus norvegicus*	 Pakan Tinggi Lemak

<table>
<tr><td> 
Perlakuan pada tikus</td><td></td><td></td></tr>
<tr><td colspan="3">Pemeriksaan Profil Lipid</td></tr>
<tr><td> 
Alat & bahan pengambilan darah</td><td> 
Proses pengambilan darah tikus</td><td> 
Darah tikus setelah sentrifuge</td></tr>
<tr><td> 
Sampel serum tikus</td><td> 
Spektrofotometer</td><td> 
Preparasi sampel</td></tr>
<tr><td> 
Pemeriksaan kadar lipid</td><td> 
Reagen Glory Diagnostic</td><td></td></tr>
</table>

Lampiran 7. Riwayat Hidup

CURRICULUM VITAE

A. Data Pribadi

1.	Nama	: Eka Sukmawati Dewi
2.	Tempat, tgl. Lahir	: Wairiang, 26 Agustus 1998
3.	Alamat	: RT 14/RW 005, Umaleu, Buyasuri, Lembata, NTT
4.	Agama	: Islam
5.	Jenis Kelamin	: Perempuan
6.	No Telepon	: 081246263568
7.	Email	: ekasukmawatidewi01@gmail.com
8.	Kewarganegaraan	: Indonesia

B. Riwayat Pendidikan

1. Tamat SD tahun 2010 di SD Inpres Kaohua Wairiang
2. Tamat SLTP tahun 2013 di SMP Negeri 1 Buyasuri
3. Tamat SLTA tahun 2016 di MA Negeri Kedang
4. Tamat Diploma III tahun 2019 di AAK Manggala Yogyakarta
5. Tamat Diploma IV tahun 2022 di Poltekes Kemenkes Surabaya