

DAFTAR PUSTAKA

- Abdelraouf Korany, Mohamed, Ahmed Sonbol, and Sameh Mohamed Elgouhary. 2018. "Omentin-1 and Diabetic Retinopathy in Type 2 Diabetic Patients." *Alexandria Journal of Medicine* 54(4):323–26. doi: 10.1016/j.ajme.2018.04.003.
- Ansari, Mohammad Hassan Khadem, Mahdia Gholamnejad, Khadije Meghrazi, and Hamid Reza Khalkhali. 2018. "Association of Circulating Omentin-1 Level with Lung Cancer in Smokers." *Medical Journal of the Islamic Republic of Iran* 32(1):1–5. doi: 10.14196/mjiri.32.133.
- As'habi, Atefeh, Malihe Sadeghi, Arman Arab, and Hossein Hajianfar. 2019. "The Association between Omentin and Diabetes: A Systematic Review and Meta-Analysis of Observational Studies." *Diabetes, Metabolic Syndrome and Obesity* 12:1277–86. doi: 10.2147/DMSO.S206981.
- Biscetti, Federico, Elisabetta Nardella, Nicola Bonadia, Flavia Angelini, Dario Pitocco, Angelo Santoliquido, Marco Filipponi, Raffaele Landolfi, and Andrea Flex. 2019. "Association between Plasma Omentin-1 Levels in Type 2 Diabetic Patients and Peripheral Artery Disease." *Cardiovascular Diabetology* 18(1):1–7. doi: 10.1186/s12933-019-0880-7.
- Cole, Joanne B., and Jose C. Florez. 2020. "Genetics of Diabetes Mellitus and Diabetes Complications." *Nature Reviews Nephrology* 16(7):377–90. doi: 10.1038/s41581-020-0278-5.
- Decroli, Eva. 2019. *Diabetes Melitus Tipe 2*. 1st ed. Padang: Pusat Penerbitan Bagian Ilmu Penyakit Dalam Fakultas Kedokteran Universitas Andalas Padang.
- Eimal Latif, Abdul Habib, Sana Anwar, Kanagala Sai Gautham, Firas Kadurei, Roland Oluwapelumi Ojo, Farukhzad Hafizyar, Daniya Muhammad Haroon, FNU Rakesh, and Abdul Subhan Talpur. 2021. "Association of Plasma Omentin-1 Levels With Diabetes and Its Complications." *Cureus* 13(August):1–4. doi: 10.7759/cureus.18203.
- Escoté, Xavier, Saioa Gómez-Zorita, Miguel López-Yoldi, Iñaki Milton-Laskibar, Alfredo Fernández-Quintela, J. Alfredo Martínez, María J. Moreno-Aliaga, and María P. Portillo. 2017. "Role of Omentin, Vaspin, Cardiotrophin-1, TWEAK and NOV/CCN3 in Obesity and Diabetes Development." *International Journal of Molecular Sciences* 18(8):1–27. doi: 10.3390/ijms18081770.
- Halabis, Magdalena, Marcin Dziedzic, Joanna Warchulinska, Iwona Kaznowska-Bystryk, and Janusz Solski. 2015. "Omentin - A New Adipokine with Many Roles to Play." *Current Issues in Pharmacy and Medical Sciences* 28(3):176–80. doi: 10.1515/cipms-2015-0067.
- Heriansyah, Teuku. 2014. "Hubungan Indeks Massa Tubuh Dengan Jumlah

- Circulating Endothelial Cell.” *Jurnal Kedokteran Syiah Kuala* 14(1):1–6.
- Indyk, Diana, Agnieszka Bronowicka-Szydelko, Andrzej Gamian, and Aleksandra Kuzan. 2021. “Advanced Glycation End Products and Their Receptors in Serum of Patients with Type 2 Diabetes.” *Scientific Reports* 11(1):1–14. doi: 10.1038/s41598-021-92630-0.
- Jiang, Tian, Yi Zhang, Fang Dai, Chao Liu, Honglin Hu, and Qiu Zhang. 2022. “Advanced Glycation End Products and Diabetes and Other Metabolic Indicators.” *Diabetology and Metabolic Syndrome* 14(1):1–15. doi: 10.1186/s13098-022-00873-2.
- Kadium, Tahrir Etihad, Abdulhadi Alrubaie, and Salim Abd Mohammed Ghanim. 2023. “The Link between Serum Omentin Level and Insulin Resistance Biomarkers, Lipid Profile, and Atherogenic Indices in Iraqi Obese Patients.” *Baghdad Science Journal* 20(1):74–81. doi: 10.21123/bsj.2022.6535.
- Kementerian Kesehatan RI. 2020. “Infodatin Tetap Produktif, Cegah, Dan Atasi Diabetes Melitus 2020.” *Pusat Data Dan Informasi Kementerian Kesehatan RI* 1–10.
- Kuzan, Aleksandra. 2021. “Toxicity of Advanced Glycation End Products (Review).” *Biomedical Reports* 14(5). doi: 10.3892/br.2021.1422.
- Lestar, Et. a. 2021. “Omentin-1 Levels in Obesity.”
- Lestari, Zulkarnain, and ST Aisyah Sijid. 2021. “Diabetes Melitus: Review Etiologi, Patofisiologi, Gejala, Penyebab, Cara Pemeriksaan, Cara Pengobatan Dan Cara Pencegahan.” *UIN Alauddin Makassar* (November):237–41.
- Meerwaldt, Robbert, Thera Links, Clark Zeebregts, Rene Tio, Jan Luuk Hillebrands, and Andries Smit. 2008. “The Clinical Relevance of Assessing Advanced Glycation Endproducts Accumulation in Diabetes.” *Cardiovascular Diabetology* 7:1–8. doi: 10.1186/1475-2840-7-29.
- Mulyati, Sri. 2016. “Peranan Advanced Glycation End-Products Pada Diabetes.” *Jurnal Cermin Dunia Kedokteran* 43(6):422–26.
- Mustafa, Hussein Inam, Sami A. Zbaar, and Marwan Salah Salman. 2020. “Study the Role Serum Omentin-1 in Occurrence and Development of Diabetic Retinopathy.” *Medico-Legal Update* 20(4):1949–55. doi: 10.37506/mlu.v20i4.2130.
- Novia Khila Firani. 2017. *Metabolisme Karbohidrat*. Pertama. edited by Tim UB Press. Malang: UB Press.
- Oświecimiska, J., A. Suwała, E. Świetochowska, Z. Ostrowska, P. Gorczyca, K. Ziora-Jakutowicz, E. Machura, M. Szczepańska, M. Kukła, M. Stojewska, D. Ziora, and K. Ziora. 2015. “Serum Omentin Levels in Adolescent Girls with Anorexia Nervosa and Obesity.” *Physiological Research* 64(5):701–9. doi:

10.33549/physiolres.932841.

- Pan, Hong Yan, Lin Guo, and Qiang Li. 2010. "Changes of Serum Omentin-1 Levels in Normal Subjects and in Patients with Impaired Glucose Regulation and with Newly Diagnosed and Untreated Type 2 Diabetes." *Diabetes Research and Clinical Practice* 88(1):29–33. doi: 10.1016/j.diabres.2010.01.013.
- Peppia, Melpomeni, Jaime Uribarri, and Helen Vlassara. 2003. "Glucose, Advanced Glycation End Products, and Diabetes Complications: What Is New and What Works." *Clinical Diabetes* 21(4):186–87. doi: 10.2337/diaclin.21.4.186.
- Perrone, Anna, Antonio Giovino, Jubina Benny, and Federico Martinelli. 2020. "Advanced Glycation End Products (AGEs): Biochemistry, Signaling, Analytical Methods, and Epigenetic Effects." *Oxidative Medicine and Cellular Longevity* 2020(Cml). doi: 10.1155/2020/3818196.
- Rathwa, Nirali, Roma Patel, Sayantani Pramanik Palit, Shahnawaz D. Jadeja, Mahendra Narwaria, A. V. Ramachandran, and Rasheedunnisa Begum. 2019. "Circulatory Omentin-1 Levels but Not Genetic Variants Influence the Pathophysiology of Type 2 Diabetes." *Cytokine* 119(March):144–51. doi: 10.1016/j.cyto.2019.03.011.
- Sharma, Chetan, Amarjeet Kaur, S. S. Thind, Baljit Singh, and Shiveta Raina. 2015. "Advanced Glycation End-Products (AGEs): An Emerging Concern for Processed Food Industries." *Journal of Food Science and Technology* 52(12):7561–76. doi: 10.1007/s13197-015-1851-y.
- Shubrook, Jay, Amy Butts, James J. Chamberlain, Eric L. Johnson, Sandra Leal, Andrew S. Rhinehart, Neil Skolnik, Sarah Bradley, Florence M. Jaffa, William H. Herman, Rita R. Kalyani, Andrea L. Cherrington, Donald R. Coustan, Ian De Boer, Robert James, Hope Feldman, Hermes J. Florez, Suneil Koliwad, Melinda Maryniuk, Joshua J. Neumiller, Joseph Wolfsdorf, Erika Gebel Berg, Alicia H. McAuliffe-Fogarty, and Robert Ratner. 2017. "Standards of Medical Care in Diabetes—2017 Abridged for Primary Care Providers." *Clinical Diabetes* 35(1):5–26. doi: 10.2337/cd16-0067.
- Tan, Bee K., Raghu Adya, Syed Farhatullah, Jing Chen, Hendrik Lehnert, and Harpal S. Randeve. 2010. "Metformin Treatment May Increase Omentin-1 Levels in Women with Polycystic Ovary Syndrome." *Diabetes* 59(12):3023–31. doi: 10.2337/db10-0124.
- Tan, Bee K., Raghu Adya, and Harpal S. Randeve. 2010. "Omentin: A Novel Link Between Inflammation, Diabetes, and Cardiovascular Disease." *Trends in Cardiovascular Medicine* 20(5):143–48. doi: 10.1016/j.tcm.2010.12.002.
- Vlassara, Helen, and Gary E. Striker. 2013. "Advanced Glycation Endproducts in Diabetes and Diabetic Complications." *Endocrinology and Metabolism Clinics of North America* 42(4):697–719. doi: 10.1016/j.ecl.2013.07.005.

- Watanabe, Takuya, Kaho Watanabe-Kominato, Yui Takahashi, Miho Kojima, and Rena Watanabe. 2017. "Adipose Tissue-Derived Omentin-1 Function and Regulation." *Comprehensive Physiology* 7(3):765–81. doi: 10.1002/cphy.c160043.
- Widiasari, Kadek Resa, I. Made, Kusuma Wijaya, and Putu Adi Suputra. 2021. "Tatalaksana Diabetes Melitus Tipe II." *Ganesha Medicina Journal* 1(2):114–20.
- Yamawaki, Hideyuki, Junji Kuramoto, Satoshi Kameshima, Tatsuya Usui, Muneyoshi Okada, and Yukio Hara. 2011. "Omentin, a Novel Adipocytokine Inhibits TNF-Induced Vascular Inflammation in Human Endothelial Cells." *Biochemical and Biophysical Research Communications* 408(2):339–43. doi: 10.1016/j.bbrc.2011.04.039.
- Yilmaz, Yusuf, Oya Yonal, Ramazan Kurt, Yesim Ozen Alahdab, Fatih Eren, Osman Ozdogan, Cigdem Ataizi Celikel, Nese Imeryuz, Cem Kalayci, and Erol Avsar. 2011. "Serum Levels of Omentin, Chemerin and Adipsin in Patients with Biopsy-Proven Nonalcoholic Fatty Liver Disease." *Scandinavian Journal of Gastroenterology* 46(1):91–97. doi: 10.3109/00365521.2010.516452.
- Ying, Lingwen, Yun Shen, Yang Zhang, Yikun Wang, Yong Liu, Jun Yin, Yufei Wang, Jingrong Yin, Wei Zhu, Yuqian Bao, and Jian Zhou. 2021. "Association of Advanced Glycation End Products with Diabetic Retinopathy in Type 2 Diabetes Mellitus." *Diabetes Research and Clinical Practice* 177:108880. doi: 10.1016/j.diabres.2021.108880.
- Yusnanda, Febri, R. Kintoko Rochadi, and Linda T. Maas. 2019. "Pengaruh Riwayat Keturunan Terhadap Kejadian Diabetes Mellitus Pada Pra Lansia Di BLUD RSUD Meuraxa Kota Banda Aceh Tahun 2017." *Journal of Healthcare Technology and Medicine* 4(1):18. doi: 10.33143/jhtm.v4i1.163.
- Zengi, Senay, Oguzhan Zengi, Aysegul Kirankaya, Suat Hayri Kucuk, Emine Erdogan Kutanis, and Ozgul Yigit. 2019. "Serum Omentin-1 Levels in Obese Children." *Journal of Pediatric Endocrinology and Metabolism* 32(3):247–51. doi: 10.1515/jpem-2018-0231.
- Zhou, Yan, Bo Zhang, Caixia Hao, Xiaoting Huang, Xiaohong Li, Yanhong Huang, and Ziqiang Luo. 2018. "Omentin-A Novel Adipokine in Respiratory Diseases." *International Journal of Molecular Sciences* 19(1). doi: 10.3390/ijms19010073.

LAMPIRAN

Surat Izin Etik



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 : 826/UN4.6.4.5.31/ PP36/ 2023

Tanggal: 30 Oktober 2023

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

No Protokol	UH23090709		No Sponsor	
Peneliti Utama	Vifriana, S.Tr.kes		Sponsor	
Judul Peneliti	ANALISIS ADVANCED GLICATED END PRODUCTS DENGAN OMENTIN SERUM PADA SUBJEK DIABETES MELITUS TIPE 2S)			
No Versi Protokol	2	Tanggal Versi	27 Oktober 2023	
No Versi PSP	2	Tanggal Versi	27 Oktober 2023	
Tempat Penelitian	RS Universitas Hasanuddin dan RSUP Dr. Wahidin Sudirohusodo Makassar			
Jenis Review	<input type="checkbox"/> Exempted <input checked="" type="checkbox"/> Expedited <input type="checkbox"/> Fullboard Tanggal		Masa Berlaku	Frekuensi review lanjutan
			30 Oktober 2023 sampai 30 Oktober 2024	
Ketua KEP Universitas Hasanuddin	Nama Prof. dr. Muh Nasrum Massi, PhD, SpMK, Subsp. Bakt(K)		Tanda tangan 	
Sekretaris KEP Universitas Hasanuddin	Nama 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 Laporan 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 protokol yang disetujui (protocol deviation / violation)
- Mematuhi semua peraturan yang ditentukan



**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 : 18363/UN4.20.1/PT.01.04/2023
Hal : Permohonan Izin Penelitian

7 November 2023

Yth. Direktur RSUP. dr. Wahidin Sudirohusodo
Makassar

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

Nama : Vifriana
Nomor Pokok : P062221033
Program Pendidikan : Magister (S2)
Program Studi : Ilmu Biomedik

Bermaksud melakukan penelitian dalam rangka persiapan penulisan tesis terkait dengan judul "Analisis Advanced Glicated End Products dengan Omentin Serum Pada Subjek Diabetes Melitus Tipe 2".

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.

	ADMINISTRASI	FORMULIR 2
	Nomor : 508/11/FR2/2023	Tanggal : 17 November 2023
SURAT KETERANGAN SELESAI PENGAMBILAN DATA/ ANALISA BAHAN HAYATI		

Dengan hormat,

Dengan ini menerangkan bahwa peneliti/mahasiswa berikut ini :

Nama : Vifriana
 NIM : P062221033
 Institusi : S2 Ilmu Biomedik Sekolah PascaSarjana UNHAS
 Judul Penelitian : **Analisis Advanced Glicated End Products Dengan Omentin Serum Pada Subjek Diabetes Melitus Tipe 2**

Telah selesai melakukan pengambilan data/ analisa bahan hayati :

Pada tanggal : 16 November 2023
 Jumlah subjek : ± 88 sampel
 Jenis data : Data Primer

Dengan staf pendamping/pembimbing :

Nama : Marina Binti Ali, S.Si
 Konsultan : -

Surat keterangan ini juga merupakan penjelasan bahwa peneliti/mahasiswa diatas tidak mempunyai sangkutan lagi pada unit/laboratorium kami.

Demikian surat ini dibuat untuk dipergunakan sebagaimana mestinya.

Pendamping/Pembimbing


Marina Binti Ali, S.Si
 NIP

Mengetahui,
 Kepala Laboratorium,

dr. Rusdina Bte Lajju, Ph.D
 NIP 198108302012122002

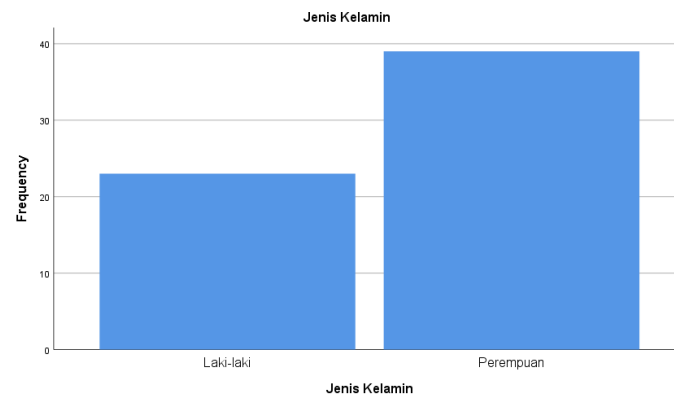
Data Primer

No Sampel	Jenis Kelami	Umur	Omentin	AGEs	IMT	HbA1c	GDP
3	2	61	6,7124	22,1458	23,23	9,8	132
4	1	50	4,8074	23,9650	24,61	9,7	237
5	2	58	4,5200	13,7168	27,42	8,5	149
6	2	54	5,3134	20,5085	20,22	10,8	195
7	1	56	6,0923	22,1727	26,68	10,8	212
8	2	76	4,9956	17,9549	22,61	6,1	87
10	1	62	6,3355	25,4473	17,78	8,6	119
11	2	61	5,1903	21,3103	30,11	7,8	132
12	2	62	4,5527	12,2075	20,02	6,8	105
17	2	73	4,8522	25,4338	23,02	11,0	161
18	1	64	5,3194	21,0677	20,29	8,1	85
20	2	63	4,2632	22,4086	23,72	9,6	92
23	2	48	4,0916	20,4546	23,6	8,4	143
25	2	58	4,0103	20,5018	23,2	8,5	81
28	2	47	6,5306	19,7741	27,09	11,4	212
30	1	48	4,0960	18,7634	22,94	6,7	131
33	2	59	4,9164	22,5164	22,71	5,7	145
34	2	69	5,6822	18,3726	26,06	10,7	128
35	2	58	6,3675	22,0649	21,64	10,2	139
36	2	83	4,5884	17,8605	26,87	6,1	102
37	2	61	5,0854	33,3980	21,12	6,6	120
38	2	61	5,1978	20,2659	24,18	6,8	150
39	2	57	4,9523	24,6388	26,22	6,7	130
41	1	66	5,6611	20,6567	24,72	6,8	102
42	2	61	4,3952	24,2952	33,97	6,8	158
43	1	54	3,3076	29,7461	24,1	6,7	149
45	2	59	4,3863	21,5933	25,76	10,1	134
46	1	54	6,0438	25,0026	19,5	6,8	105
47	2	74	4,9194	24,0593	22,04	6,2	129
48	2	61	5,1229	22,0178	24,61	7,8	130
50	2	74	4,6837	14,3164	25,48	6,9	159
51	1	61	5,4471	17,2743	23,34	7,8	164
52	2	49	5,3780	22,5433	23,94	9,4	172
53	2	65	4,1670	21,0206	25,08	6,5	110
54	2	49	4,8581	18,2581	36,89	5,8	75
58	1	55	5,0300	22,9611	28,16	9,7	164
62	2	69	5,6807	26,1076	22,35	9,1	141
65	1	39	4,5259	18,0492	26,64	7,5	107
66	2	72	5,1798	18,0627	26,98	14,1	178
67	1	57	3,8672	27,0779	25,42	9,6	123
69	2	64	4,7105	36,9892	23,05	8,3	129
72	2	53	5,6173	26,0470	32,19	10,8	168
74	2	57	5,1798	31,7674	29,49	8,9	218
79	1	59	4,4145	19,0396	21,33	10,3	143
80	2	58	4,8790	28,2840	22,8	9,0	201
81	1	55	5,7517	24,7264	20,14	5,9	79
83	2	36	5,1393	23,3990	26,84	9,0	153
84	2	69	4,4115	22,0447	22,36	8,5	114
85	2	30	3,3808	23,5742	32,24	8,3	185
87	1	57	4,1419	18,8240	28,98	9,1	236
90	2	55	4,1818	18,6691	21,55	6,3	156
91	2	22	5,0270	28,4861	20,27	8,9	75
94	1	50	5,3795	29,5035	31,86	9,0	286
95	1	69	4,9971	19,2081	19,65	6,7	91
96	2	49	4,8417	23,7292	20,79	11,7	215
101	1	46	8,9457	23,9313	27,96	8,2	224
103	2	55	4,1922	17,3552	25,02	9,8	154
105	1	57	5,0555	28,5602	23,79	10,7	159
108	1	37	7,1313	22,3816	36,02	13,6	291
109	1	72	4,1552	18,0559	25,75	6,6	145
111	1	64	6,5733	24,8005	27,78	9,6	239

Analisis Data

1. Karakteristik Subjek Penelitian a. Jenis Kelamin

		Jenis Kelamin			Cumulative Percent
		Frequency	Percent	Valid Percent	
Valid	Laki-laki	23	37.1	37.1	37.1
	Perempuan	39	62.9	62.9	100.0
	Total	62	100.0	100.0	



b. Umur, HbA1c, dan GDP
Descriptives

		Statistic	Std. Error	
Umur (Tahun)	Mean	58.00	1.407	
	95% Confidence Interval for Mean	Lower Bound	55.19	
		Upper Bound	60.81	
	5% Trimmed Mean	58.49		
	Median	58.00		
	Variance	122.656		
	Std. Deviation	11.075		
	Minimum	22		
	Maximum	83		
	Range	61		
	Interquartile Range	10		
	Skewness	-.676	.304	
	Kurtosis	1.450	.599	
	HbA1c (%)	Mean	8.566	.2392
95% Confidence Interval for Mean		Lower Bound	8.088	
		Upper Bound	9.044	
5% Trimmed Mean		8.469		
Median		8.500		
Variance		3.548		
Std. Deviation		1.8837		
Minimum		5.7		
Maximum		14.1		
Range		8.4		
Interquartile Range		2.9		
Skewness		.605	.304	
Kurtosis		.280	.599	
GDP (mg/dL)		Mean	149.74	6.247
	95% Confidence Interval for Mean	Lower Bound	137.25	
		Upper Bound	162.23	
	5% Trimmed Mean	147.08		
	Median	143.00		
	Variance	2419.309		
	Std. Deviation	49.186		
	Minimum	75		
	Maximum	291		
	Range	216		
	Interquartile Range	51		
	Skewness	.857	.304	
	Kurtosis	.645	.599	

c. IMT, AGEs, dan Omentin

Descriptives

		Statistic	Std. Error	
IMT (kg/m ²)	Mean	24.9508	.50970	
	95% Confidence Interval for Mean	Lower Bound	23.9316	
		Upper Bound	25.9700	
	5% Trimmed Mean	24.6938		
	Median	24.1400		
	Variance	16.107		
	Std. Deviation	4.01335		
	Minimum	17.78		
	Maximum	36.89		
	Range	19.11		
	Interquartile Range	4.54		
	Skewness	.972	.304	
	Kurtosis	1.012	.599	
	Omentin (ng/mL)	Mean	5.054056	.1189968
95% Confidence Interval for Mean		Lower Bound	4.816108	
		Upper Bound	5.292005	
5% Trimmed Mean		4.999071		
Median		4.973950		
Variance		.878		
Std. Deviation		.9369817		
Minimum		3.3076		
Maximum		8.9457		
Range		5.6381		
Interquartile Range		.9890		
Skewness		1.357	.304	
Kurtosis		3.924	.599	
AGEs (ng/mL)		Mean	22.372268	.5824675
	95% Confidence Interval for Mean	Lower Bound	21.207552	
		Upper Bound	23.536984	
	5% Trimmed Mean	22.221922		
	Median	22.105350		
	Variance	21.035		
	Std. Deviation	4.5863540		
	Minimum	12.2075		
	Maximum	36.9892		
	Range	24.7817		
	Interquartile Range	5.9361		
	Skewness	.645	.304	
	Kurtosis	1.122	.599	

2. Uji Normalitas

a. Keseluruhan

	Kolmogorov-Smirnov ^a			Shapiro-Wilk		
	Statistic	Df	Sig.	Statistic	df	Sig.
IMT (kg/m ²)	.092	62	.200*	.939	62	.004
Omentin (ng/mL)	.133	62	.009	.916	62	.000
AGEs (ng/mL)	.085	62	.200*	.968	62	.106

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

a. Lilliefors Significance Correction

b. Laki-laki

	Kolmogorov-Smirnov ^a			Shapiro-Wilk		
	Statistic	Df	Sig.	Statistic	df	Sig.
IMT (kg/m ²)	.085	23	.200*	.964	23	.543
Omentin (ng/mL)	.096	23	.200*	.934	23	.132
AGEs (ng/mL)	.153	23	.174	.934	23	.134

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

a. Lilliefors Significance Correction

c. Perempuan

	Kolmogorov-Smirnov ^a			Shapiro-Wilk		
	Statistic	Df	Sig.	Statistic	df	Sig.
IMT (kg/m ²)	.126	39	.121	.899	39	.002
Omentin (ng/mL)	.140	39	.051	.954	39	.115
AGEs (ng/mL)	.118	39	.182	.951	39	.090

a. Lilliefors Significance Correction

3. Uji Korelasi Omentin dan AGEs

a. Keseluruhan

Correlations

		Omentin (ng/mL)	AGEs (ng/mL)
Omentin (ng/mL)	Pearson Correlation	1	.126
	Sig. (2-tailed)		.329
	N	62	62
AGEs (ng/mL)	Pearson Correlation	.126	1
	Sig. (2-tailed)	.329	
	N	62	62

Correlations

				Omentin (ng/mL)	AGEs (ng/mL)
Spearman's rho	Omentin (ng/mL)	Correlation Coefficient		1.000	.246
		Sig. (2-tailed)		.	.054
		N		62	62
	AGEs (ng/mL)	Correlation Coefficient		.246	1.000
		Sig. (2-tailed)		.054	.
		N		62	62

b. Laki-laki

Correlations

		Omentin (ng/mL)	AGEs (ng/mL)
Omentin (ng/mL)	Pearson Correlation	1	.153
	Sig. (2-tailed)		.485
	N	23	23
AGEs (ng/mL)	Pearson Correlation	.153	1
	Sig. (2-tailed)	.485	
	N	23	23

Correlations

				Omentin (ng/mL)	AGEs (ng/mL)
Spearman's rho	Omentin (ng/mL)	Correlation Coefficient		1.000	.233
		Sig. (2-tailed)		.	.284
		N		23	23
	AGEs (ng/mL)	Correlation Coefficient		.233	1.000
		Sig. (2-tailed)		.284	.
		N		23	23

Correlations

		Omentin (ng/mL)	AGEs (ng/mL)
Spearman's rho	Omentin (ng/mL)	Correlation Coefficient	1.000
		Sig. (2-tailed)	.
		N	39
	AGEs (ng/mL)	Correlation Coefficient	.199
		Sig. (2-tailed)	.225
		N	39

c. Perempuan

Correlations

		Omentin (ng/mL)	AGEs (ng/mL)
Omentin (ng/mL)	Pearson Correlation	1	.117
	Sig. (2-tailed)		.478
	N	39	39
AGEs (ng/mL)	Pearson Correlation	.117	1
	Sig. (2-tailed)	.478	
	N	39	39

4. Uji Korelasi Omentin dan IMT

a. Keseluruhan

Correlations

		Omentin (ng/mL)	IMT (kg/m ²)
Omentin (ng/mL)	Pearson Correlation	1	.066
	Sig. (2-tailed)		.612
	N	62	62
IMT (kg/m ²)	Pearson Correlation	.066	1
	Sig. (2-tailed)	.612	
	N	62	62

Correlations

		Omentin (ng/mL)	IMT (kg/m ²)
Spearman's rho	Omentin (ng/mL)	Correlation Coefficient	1.000
		Sig. (2-tailed)	.
		N	62
	IMT (kg/m ²)	Correlation Coefficient	.004
		Sig. (2-tailed)	.978
		N	62

b. Laki-laki**Correlations**

		Omentin (ng/mL)	IMT (kg/m ²)
Omentin (ng/mL)	Pearson Correlation	1	.223
	Sig. (2-tailed)		.306
	N	23	23
IMT (kg/m ²)	Pearson Correlation	.223	1
	Sig. (2-tailed)	.306	
	N	23	23

Correlations

		Omentin (ng/mL)	IMT (kg/m ²)
Spearman's rho	Omentin (ng/mL)	Correlation Coefficient	1.000
		Sig. (2-tailed)	.634
		N	23
	IMT (kg/m ²)	Correlation Coefficient	.105
		Sig. (2-tailed)	.634
		N	23

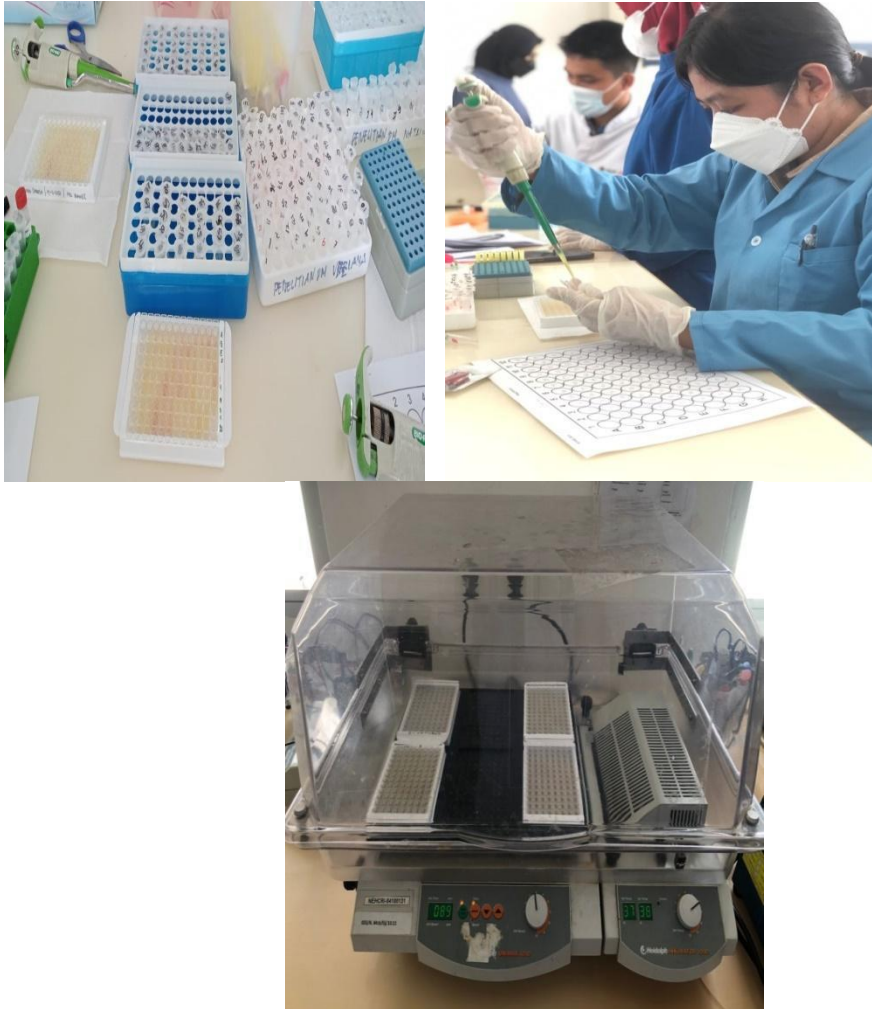
c. Perempuan**Correlations**

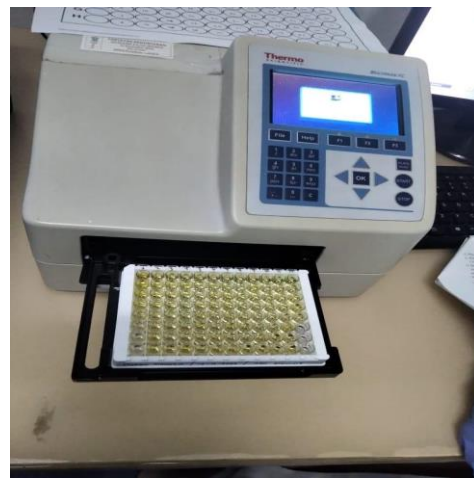
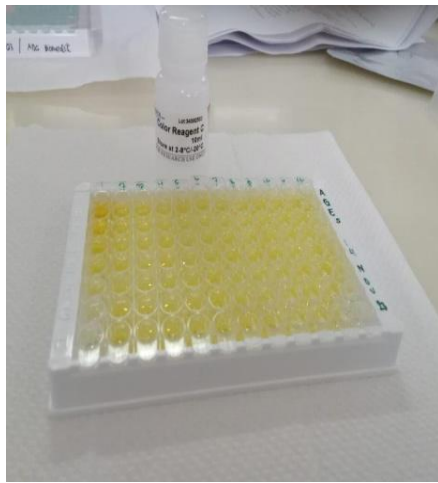
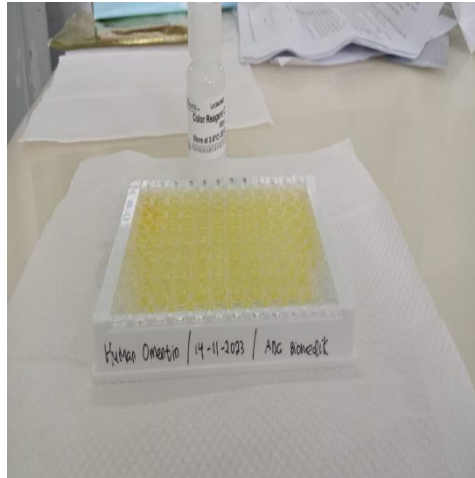
		Omentin (ng/mL)	IMT (kg/m ²)
Omentin (ng/mL)	Pearson Correlation	1	-.097
	Sig. (2-tailed)		.557
	N	39	39
IMT (kg/m ²)	Pearson Correlation	-.097	1
	Sig. (2-tailed)	.557	
	N	39	39

Correlations

		Omentin (ng/mL)	IMT (kg/m ²)
Spearman's rho	Omentin (ng/mL)	Correlation Coefficient	1.000
		Sig. (2-tailed)	.919
		N	39
	IMT (kg/m ²)	Correlation Coefficient	-.017
		Sig. (2-tailed)	.919
		N	39

Dokumentasi





Riwayat Hidup (*Curriculum Vitae*)

DATA PRIBADI

Nama : Vifriana
 Tempat, Tanggal Lahir : Ujung Pandang, 16 Juni 1992
 Agama : Khatolik
 No. HP : 085242346276
 Email : anavifr3@gmail.com
 Pekerjaan : Mahasiswa S2 Ilmu Biomedik
 Alamat : Jl. Baiturrahman VII Antang

RIWAYAT PENDIDIKAN

NO.	STRATA	INSTITUSI	TEMPAT	TAHUN LULUS
1	SD	SD Negeri Borong	Makassar	2004
2	SMP	SMP Mandiri	Makassar	2007
3	SMA	SMA Mahaputra	Makassar	2010
4	DIII	Stikes Megarezky (Jurusan Analis Kesehatan)	Makassar	2013
5	DIV	Universitas Megarezky (Jurusan Analis Kesehatan)	Makassar	2021
6	S2 (Sementara)	Ilmu Biomedik Pascasarjana Unhas	Makassar	2022- sekarang

