

## DAFTAR PUSTAKA

- Abdel-Reheim, E.S., Abdel-Hafeez, H.A., Mahmoud, B.M. and Abd-Allah, E.N., 2014. Effect of food additives (monosodium glutamate and sodium nitrite) on some biochemical parameters in albino rats. *International Journal of bioassays*, 3(08):3260-3273.
- Abeyrathne, E.D.N.S., Nam, K.C., Huang, X. and Ahn, D.U., 2022. Egg yolk lipids: separation, characterization, and utilization. *Food Science and Biotechnology*, 31(10):1243-1256.
- Aisyah, S., Balqis, U. and Friyan, E.K., 2014. Histopatologi Jantung Tikus Putih (*Rattus norvegicus*) Akibat Pemberian Minyak Jelantah. *Jurnal Medika Veterinari*, 8(1):7-9
- Alamsyah, M.A.B.O., 2019. Pengaruh glukomanan terhadap penurunan risiko penyakit stroke iskemik. *Jurnal Ilmiah Kesehatan Sandi Husada*, 8(2):292-298.
- Al-Hajj, N.Q.M., Sharif, H.R., Aboshora, W. and Wang, H., 2016. In vitro and in vivo evaluation of antidiabetic activity of leaf essential oil of *Pulicaria inuloides*-Asteraceae. 4(7): 461-470
- Al-Hayder, M.N., Al-Mayyahi, R.S. and Abdul-Razak, A.S., 2020. Effects of sunflower oils and beef tallow on serum parameters and liver histopathology in experimental rats. *Obesity Medicine*, 18(11):100-132.
- Amor, A.J. and Perea, V., 2019. Dyslipidemia in nonalcoholic fatty liver disease. *Current Opinion in Endocrinology, Diabetes and Obesity*, 26(2):103-108.
- Arbi, B., Ma'ruf, W.F. and Romadhon, R., The activity of bioactive compounds from sea lettuce (*Ulva lactuca*) as antioxidant in fish oil. *Indonesian Journal of Fisheries Science and Technology*, 12(1):12-18.
- Astuti, N.R. 2015. *Makanan-makanan tinggi kolesterol*. Yogyakarta: Flash Books. pp. 34-35
- Aulawi, T., 2013. Hubungan konsumsi daging merah dan gaya hidup terhadap risiko kanker kolon. *Kutubkhanah*, 16(1):37-45.
- Baynes, J.W. and Dominiczak, M.H., 2014. *Medical Biochemistry E-Book*. Elsevier Health Sciences.p.90
- Boren, J., C J. Packard and M.R.T. Taskinen. 2020. The Roles of ApoCII on the Metabolism of Triglyceride-Rich Lipoproteins in Humans. *Frontiers in Endocrinology*, 11:474.
- Cannon, J. and Miller, P., 2017. Stable control of firing rate mean and variance by dual homeostatic mechanisms. *The Journal of Mathematical Neuroscience*, 7(1):1-7
- Carmo R, Castro-Ferreira, Oliveira JP. 2017. Defisiensi lesitin-kolesterol asiltransferase: review untuk nephrologists klinis. *Port Journal Nephrol Hypert*. 2(31): 286–292.
- Desiana, S.M., Susianti, S. dan Wulan, A.J., 2023. Pengaruh Pemberian Vitamin C Terhadap Jumlah Sel Piramidal Lapisan CA1 Hippocampus Tikus Putih (*Rattus norvegicus*) Jantan Galur Sprague-Dawley yang Diinduksi *Monosodium Glutamat* (MSG). *Medical Profession Journal of Lampung*, 13(5):816-826.

- Dharmayanti, A.W.S., 2015. Pengaruh Stresor Renjatan Listrik pada Kadar Kolesterol Total pada Serum Tikus Jantan (*Rattus norvegicus*) Strain Wistar. *STOMATOGNATIC-Jurnal Kedokteran Gigi*, 9(1):54-57.
- Djunaidi, C.S., Affandi, D.R., dan Praseptiangga, D. 2014. Efek hipoglikemik tepung komposit (ubi jalar ungu, jagung kuning, dan kacang tunggak) pada tikus diabetes induksi streptozotocin. *Jurnal Gizi Klinik Indonesia*, 10(3):119-126.
- Elabd, E.M.Y., Morsy, S.M. and Elmalt, H.A. 2018. Investigating of Moringa oleifera role on gut microbiota composition and inflammation associated with obesity following high fat diet feeding. *Open access macedonian journal of medical sciences*, 6(8):1359.
- El-Ezaby, M.M., Abd-El Hamide, N.A.H., El-Maksoud, M.A.E., Shaheen, E.M. and Embashi, M.M., 2018. Effect of some food additives on lipid profile, kidney function and liver function of adult male albino rats. *Journal of Environment Science*, 5(8):52-59.
- Engelking, L. J., McFarlane, M.R., Cantoria, M.J., Linden, A.G., January, B.A., Liang, G. and 2015. Scap is required for sterol synthesis and crypt growth in intestinal mucosa. *Journal of lipid research*, 56(8):1560-1571.
- Falade, A.O. and Oboh, G., 2015. Thermal oxidation induces lipid peroxidation and changes in the physicochemical properties and  $\beta$ -carotene content of arachis oil. *International Journal of Food Science*, 7(5):66-67
- Fatimatuzzahro, N. and Prasetya, R.C., 2018. Efek seduhan kopi robusta terhadap profil lipid darah dan berat badan tikus yang diinduksi diet tinggi lemak. *Jurnal Kedokteran Brawijaya*, 2(9):7-11.
- Fadzilah, A.D., Dieny, F.F., Kurniawati, D.M.A. and Probosari, E., 2023. Pengaruh pemberian diet fleksitarian terhadap rasio trigliserida/high density lipoprotein-cholesterol (tg/hdl-c) pada mahasiswi obesitas. *Majalah Kesehatan*, 10(1):17-34.
- Fitria, L., Lukitowati, F. and Kristiawati, D. 2019. Nilai rujukan untuk evaluasi fungsi hati dan ginjal pada tikus (*Rattus norvegicus* Berkenhout, 1769) Galur Wistar. *Jurnal Pendidikan Matematika dan IPA*, 10(2):243-258.
- Feleke, D.G., Gebeyehu, G.M. and Admasu, T.D., 2022. Effect of deep-fried oil consumption on lipid profile in rats. *Scientific African*, 17: 12-14.
- Gani, N., I. Lidya dan M.M. PitOI. 2013. Profil Lipida pLasma Tikus Wistar yang Hiperkolesterolemia pada Pemberian Gedi Merah (*Abelmoschus Manihot* L.). *Jurnal MIPA UNSTRAT*, 2(1): 44-49.
- Gorinstein, S., Leontowicz, H., Leontowicz, M., Krzeminski, R., Gralak, M., Delgado-Licon, E., Martinez Ayala, A.L., Katrich, E. and Trakhtenberg, S., 2005. Changes in plasma lipid and antioxidant activity in rats as a result of naringin and red grapefruit supplementation. *Journal of agricultural and food chemistry*, 53(8):3223-3228.
- Guidone, M., Thornber, C., Wysor, B. and O'Kelly, C.J., 2013. Molecular and morphological diversity of Narragansett Bay (RI, USA) Ulva (Ulvales, Chlorophyta) populations. *Journal of Phycology*, 49(5):979-995.
- Gunawan, H., Sitorus, P. and Rosidah, R. 2018. Pengaruh Pemberian Ekstrak Etanol Herba Poguntano (*Picria FelTerrae Lour*) Terhadap Profil Lipid Tikus Putih Jantan Dislipidemia. In *Talenta Conference Series: Tropical Medicine (TM)* 1(1): 230-236.

- Handayani D, dan Prijadi B, 2007. Pengaruh Pasta Tomat Terhadap Jumlah Sel Busa Aorta Tikus Dengan Diet Aterogenik. *Jurnal Kedokteran Brawijaya*. 23(4): 92-99
- Hassan, S., Abd El-Twab, S., Hetta, M. and Mahmoud, B., 2011. Improvement of lipid profile and antioxidant of hypercholesterolemic albino rats by polysaccharides extracted from the green alga *Ulva lactuca* Linnaeus. *Saudi journal of biological sciences*, 18(4):333-340.
- Helal, E.G., Barayan, A.W., Abdelaziz, M.A. and El-Shenawe, N.S., 2019. Adverse effects of mono sodium glutamate, sodium benzoate and chlorophyllins on some physiological parameters in male albino rats. *The Egyptian Journal of Hospital Medicine*, 74(8), pp.1857-1864.
- Heryani, R. 2016. Pengaruh ekstrak buah naga merah terhadap profil lipid darah tikus putih hiperlipidemia. *Jurnal Ipteks Terapan*, 10(1):917.
- Huff, M.W. and Hegele, R.A., 2013. Apolipoprotein C-III: going back to the future for a lipid drug target. *Circulation research*, 112(11):1405-1408.
- Ihedioha, J.I., O.A. Noel-Uneke and T.E. Ihedioha. 2013. Reference values for the serum lipid profile of albino rats (*Rattus norvegicus*) of varied ages and sexes. *Comparative Clinical Pathology*, 22:93-99
- Iskandar, I., Hadi, A. and Alfridsyah, A. 2017. Faktor risiko terjadinya penyakit jantung koroner pada pasien Rumah Sakit Umum Meuraxa Banda Aceh. *AcTion: Aceh Nutrition Journal*, 2(1):32-42.
- Istiadi, H. and Sunarsih, E.S., 2010. Pengaruh Jus Lidah Buaya (*Aloe Vera* Linn) terhadap Kadar Kolesterol Tikus Hiperlipidem. *Media Medika Muda*, (4):5-10.
- Jakicic, J.M., Rogers, R.J., Davis, K.K. and Collins, K.A. 2018. Role of physical activity and exercise in treating patients with overweight and obesity. *Clinical chemistry*, 64(1):99-107.
- Jim, E.L., 2013. Metabolisme lipoprotein. *Jurnal Biomedik: JBM*, 5(3):149-151
- Jung, U.J., Lee, M.K., Park, Y.B., Kang, M.A. and Choi, M.S. 2006. Effect of citrus flavonoids on lipid metabolism and glucose-regulating enzyme mRNA levels in type-2 diabetic mice. *The international journal of biochemistry & cell biology*, 38(7):1134-1145.
- Kammoun, I., Bkhairia, I., Ben Abdallah, F., Jaballi, I., Ktari, N., Boudawara, O., Nasri, M., Gharsallah, N., Hakim, A. and Ben Amara, I., 2017. Potential protective effects of polysaccharide extracted from *Ulva lactuca* against male reprotoxicity induced by thiacloprid. *Archives of physiology and biochemistry*, 123(5):334-343.
- Kanuri, G. and Bergheim, I., 2013. In vitro and in vivo models of non-alcoholic fatty liver disease (NAFLD). *International journal of molecular sciences*, 14(6):11963-11980.
- Karim, M., Taslim, N.A., Bukhari, A., Hamid, F., Idris, I. and Sanusi, H.D. 2022. Perubahan Berat Badan Tikus Sprague Dawley Setelah Pemberian Ekstrak Kurma Ajwa. *Indonesian Journal of Human Nutrition*, 9(1):40-48.
- Kato, S., Shimizu, N., Hanzawa, Y., Otoki, Y., Ito, J., Kimura, F., Takekoshi, S., Sakaino, M., Sano, T., Eitsuka, T. and Miyazawa, T., 2018. Determination of triacylglycerol oxidation mechanisms in canola oil using liquid chromatography–tandem mass spectrometry. *npj Science of Food*, 2(1):1.

- Khan, M. and Khaleel, M. 2016. Comparative study of serum lipid profile of obese and non-obese students (male) of Aljounf University. *IJBAR*, 7(1):35-37.
- Kidgell, J.T., Magnusson, M., de Nys, R. and Glasson, C.R., 2019. Ulvan: A systematic review of extraction, composition and function. *Algal research*, 39:101-122.
- Kim, D.Y., J. Kim, H.J. Ham, dan R. Choue. 2013. Effects of  $\alpha$ -tocopherol Supplements on Lipid Metabolism in a High-Fat Diet-Fed Animal Model. *Nutrition Research and Practice*. 7(6): 481-487
- Kothapalli Kothapalli, D., Liu, S.L., Bae, Y.H., Monslow, J., Xu, T., Hawthorne, E.A., Byfield, F.J., Castagnino, P., Rao, S., Rader, D.J. and Puré, E. 2012. Cardiovascular protection by ApoE and ApoE-HDL linked to suppression of ECM gene expression and arterial stiffening. *Cell reports*, 2(5):1259-1271.
- Kraan, S. Pigmen dan senyawa kecil dalam ganggang. Dalam *Bahan Fungsional dari Alga untuk Makanan dan Nutraceuticals*;8(9):99-100
- Ktari, L., 2017. Pharmacological potential of *Ulva* species: a valuable resource. *J. Anal. Pharm. Res*, 6:165.
- Kushnerova, N.F., Fomenko, S.E., Sprygin, V.G., Drugova, E.S., Momot, T.V., Lesnikova, L.N. and Merzlyakov, V.Y., 2022. Effect of the Lipid Complex from Green Seaweed *Ulva lactuca* Linnaeus, 1753 on the Biochemical Parameters of Blood Plasma and the Liver in Experimental Dyslipidemia. *Russian Journal of Marine Biology*, 48(2):113-121.
- Leeuwen, E.M., Emri, E., Merle, B.M., Colijn, J.M., Kersten, E., Cougnard-Gregoire, A., Dammeier, S., Meester-Smoor, M., Pool, F.M., de Jong, E.K. and Delcourt, C., 2018. A new perspective on lipid research in age-related macular degeneration. *Progress in retinal and eye research*, 67:56-86.
- Li, J., Hua, J., Yuan, H., Deng, Y., Zhou, Q., Yang, Y., Dong, C., Zeng, J. and Jiang, Y., 2021. Investigation on green tea lipids and their metabolic variations during manufacturing by nontargeted lipidomics. *Food chemistry*, 339, p.128114.
- Li S, Tan HY, Wang N, Zhang ZJ, Lao L, Wong CW. Feng Y. The Role of oxidative stress and antioxidant in liver disease. *International Journal of Molecular Science*, 16(11):87-12.
- Makkar, H.P., Tran, G., Heuzé, V., Giger-Reverdin, S., Lessire, M., Lebas, F. and Ankers, P., 2016. Seaweeds for livestock diets: A review. *Animal Feed Science and Technology*, 212:1-17.
- Mark-Maria, A.U., Ngozi, O.E., Boniface, M.T., Adejoh, I.P. and Chukwuemeka, N.A.P. 2019. Effects of 'ZPC' Polyherbal Formulation on Diabetic-Dyslipidemic Wistar Rats. *Asian Journal of Research in Biochemistry*, 4(3):1-9.
- Marques, C., Meireles, M., Norberto, S., Leite, J., Freitas, J., Pestana, D., Faria, A. and Calhau, C., 2016. High-fat diet-induced obesity Rat model: a comparison between Wistar and Sprague-Dawley Rat. *Adipocyte*, 5(1):11-21.
- Matthan, N.R. and Lichtenstein, A.H., 2004. Approaches to measuring cholesterol absorption in humans. *Atherosclerosis*, 174(2):197-205.
- Megawati, M. and Muhartono, M., 2019. Konsumsi Minyak Jelantah dan Pengaruhnya terhadap Kesehatan. *Jurnal Majority*, 8(2):259-264.



- Mescher, A. L., 2016. *Junqueira's basic histology text and atlas 14<sup>th</sup> edition*. Publisher: McGraw-Hill Medica. pp.29-45
- Mohapatra, L., Bhattamishra, S.K., Panigrahy, R., Parida, S. and Pati, P., 2016. Antidiabetic effect of *Sargassum wightii* and *Ulva fasciata* in high fat diet and multi low dose streptozotocin induced type 2 diabetic mice. *Pharmaceutical and Biosciences Journal*, pp.13-23.
- Mulyati., W. Ningrum dan P. Callista. 2021. Penurunan Kadar Kadmium (Cd) Sebagai Kontaminan Pada Makroalga *Ulva lactuca* L. *Research Collaboration Lecturer and Student Universitas Gadjah Mada*. Pp:1-11.
- Noviyanti, F., Decroli, E. and Sastri, S., 2015. Perbedaan Kadar LDL-kolesterol pada Pasien Diabetes Melitus Tipe 2 dengan dan tanpa Hipertensi di RS Dr. M. Djamil Padang Tahun 2011. *Jurnal Kesehatan Andalas*, 4(2).1-6
- Nurman, Z., Masrul, M. and Sastri, S., 2018. Pengaruh pektin buah apel (*Malus sylvestris* mill) terhadap kadar LDL kolesterol pada tikus putih jantan (*Rattus novergicus*) hiperkolesterolemia. *Jurnal Kesehatan Andalas*, 6(3):679-684.
- Oktaviani, R., Febriyatna, A., Damayati, R. and Agustin, F., 2022. Pengaruh Berbagai Dosis Tepung Pisang Berlin Mentah Terhadap Penurunan Kadar LDL Tikus Wistar Dislipidemia. *HARENA: Jurnal Gizi*, 2(2):62-70.
- Okediran, B.S., Olurotimi, A.E., Rahman, S.A., Michael, O.G. and Olukunle, J.O., 2014. Alterations in the lipid profile and liver enzymes of rats treated with monosodium glutamate. *Sokoto journal of veterinary sciences*, 12(3):42-46.
- Ondu, A. F., dan Jayadipraja, E. A. 2019. Efektifitas *Citrus aurantifolia* Swingle dan *Averrhoa bilimbi* dalam Menurunkan Konsentrasi Timbal pada Kerang Kalandue (*Polymesoda* sp.) dari Teluk Kendari. *Hygiene*. 5: 1–13
- Otto, G.M., Franklin, C.L. and Clifford, C.B., 2015. Biology and diseases of rats. In *Laboratory animal medicine*. America: Academic Press, pp :151-207
- Parekh, A., Smeeth, D., Milner, Y. and Thuret, S., 2017, February. The role of lipid biomarkers in major depression. In *Healthcare*, 5(1):5-9
- Pan, X. and Hussain, M.M., 2012. Gut triglyceride production. *Biochimica et Biophysica Acta (BBA)-Molecular and Cell Biology of Lipids*, 1821(5):727-735.
- Perumal, P.C., Sophia, D., Raj, C.A., Ragavendran, P., Starlin, T. and Gopalakrishnan, V.K., 2012. In vitro antioxidant activities and HPTLC analysis of ethanolic extract of *Cayratia trifolia* (L.). *Asian Pacific Journal of tropical disease*, 2(7):952-S956.
- Perumpail, B.J., Li, A.A., John, N., Sallam, S., Shah, N.D., Kwong, W., Cholankeril, G., Kim, D. and Ahmed, A., 2018. The Role of Vitamin E in the Treatment of NAFLD. *Diseases*, 6(4):86.
- Pizzini, A., Lunger, L., Demetz, E., Hilbe, R., Weiss, G., Ebenbichler, C. and Tancevski, I., 2017. The role of omega-3 fatty acids in reverse cholesterol transport: A review. *Nutrients*, 9(10):1099.
- Prabaningrum, S.H., Bintanah, S. and Kusuma, H.S., 2022. Peningkatan Kadar Kolesterol HDL pada Tikus Wistar Hiperkolesterolemia dengan Formula Yosuwak. In *Prosiding Seminar Nasional Unimus* 6(5):9-11.
- Prasedya, E.S., Martyasari, N.W.R., Apriani, R., Mayshara, S., Fanani, R.A. and Sunarpi, H. 2019. December. Antioxidant activity of *Ulva lactuca* L. from

- different coastal locations of Lombok Island, Indonesia. In *AIP Conference Proceedings*, 2199(1): 020003.
- Pratama, A.C. and Safitri, D. E. 2019. Asupan Buah dan Sayur, Asupan Lemak, Aktivitas Fisik Berhubungan dengan Rasio Ldl/Hdl Orang Dewasa. *ARGIPA (Arsip Gizi dan Pangan)*, 4(1):11-8.
- Puan raissa, L.E.N.K.A., 2024. Efek pemberian ekstrak kulit pisang kepok lampung (*Musa paradisiaca* Linnaeus) dengan pelarut etanol dan metanol terhadap kadar kolesterol total dan trigliserida pada tikus putih (*Rattus norvegicus*) jantan galur sprague dawley yang diinduksi diet tinggi lemak.
- Purbayanti, D., 2015. Pengaruh Waktu pada Penyimpanan Serum untuk Pemeriksaan Kolesterol Total: Effect of Time on Serum Storage for Total Cholesterol Testing. *Jurnal Surya Medika (JSM)*, 1(1):8-17.
- Putra, N.R., Fajriah, S., Qomariyah, L., Dewi, A.S., Rizkiyah, D.N., Irianto, I., Rusmin, D., Melati, M., Trisnawati, N.W., Darwati, I. and Arya, N.N., 2024. Exploring the potential of *Ulva lactuca*: Emerging extraction methods, bioactive compounds, and health applications-A perspective review. *South African Journal of Chemical Engineering*, 47(1):233-245.
- Putri, C.A., Pradana, D.A. and Susanto, Q., 2017. Efek ekstrak etanolik daun bayam merah (*Amaranthus tricolor* L.) terstandar terhadap indeks massa tubuh dan kadar glukosa darah pada tikus sprague dawley yang diberikan diet tinggi lemak sebagai upaya preventif obesitas. *PHARMACY: Jurnal Farmasi Indonesia (Pharmaceutical Journal of Indonesia)*, 13(02):150-161.
- Rohman, M.S., Lukitasari, M., Nugroho, D.A., Nashi, W., Nugraheini, N.I.P. and Sardjono, T.W., 2017. Development of an experimental model of metabolic syndrome in sprague dawley rat. *Research Journal of Life Science*, 4(1):76-86.
- Salim, B.R.K., Wihandani, D.M. and Dewi, N.N.A., 2021. Obesitas sebagai faktor risiko terjadinya peningkatan kadar trigliserida dalam darah: tinjauan pustaka. *Intisari Sains Medis*, 12(2):519-523.
- Shahidi, F., and Yeo, J.D. (2018). Bioactivities of phenolics by focusing on suppression of chronic diseases: A review. *Int. J. Mol. Sci.* 19: 15-23.
- Shastri CS, Ambalal PN, Himanshu J, Aswathanarayana BJ. Evaluation of effect of reused edible oils on vital organs of wistar rats. *Nitte University Journal of Health Science*, 21(4):10-5.
- Siregar, R.N.I., 2015. The effect of *Eugenia polyantha* extract on ldl cholesterol. *Jurnal majority*, 4(5): 85-89.
- Sumarsih, S. and Hastono, S.P., 2020. Indeks Masa Tubuh, Usia, dan peningkatan kadar kolesterol total. *Jurnal Kesehatan Metro Sai Wawai*, 13(1):44-50.
- Sundari, L.P. and Wijaya, P.A., 2021. Sea Lettuce (*Ulva lactuca*) as a Source of Dietary Antioxidant. *Tropical Journal of Natural Product Research*, 5(4): 603-608
- Surampudi, P., Enkhmaa, B., Anuurad, E. and Berglund, L., 2016. Lipid lowering with soluble dietary fiber. *Current atherosclerosis reports*, 18(8):1-13.
- Syamsunarno, M.R.A., Agustin, D.F., Anggraeni, N. and Kania, N., 2020. Effect of fish oil, virgin coconut oil, and used-cooking oil consumption on mice hematological profile. *Indonesian Journal of Clinical Pharmacy Volume*, 9(2):137-139

- Szkudelski, T., 2012. Streptozotocin–nicotinamide-induced diabetes in the rat. Characteristics of the experimental model. *Experimental biology and medicine*, 23(5):481-490
- Tabarsa, M., Rezaei, M., Ramezanpour, Z. and Waaland, J.R., 2012. Chemical compositions of the marine algae *Gracilaria salicornia* (Rhodophyta) and *Ulva lactuca* (Chlorophyta) as a potential food source. *Journal of the Science of Food and Agriculture*, 92(12):2500-2506.
- Tamrin, T., 2013. Waste Cooking Oil Gasification with Pressure Stoves. *Jurnal Teknik Pertanian Lampung*, 2(2):274.
- Uchendu, N.O., Nkwocha, C.C., Anaduaka, E.G. and Ezeanyika, L.U.S., 2021. Metabolic syndrome in adult male rats induced by feeding beef tallow-enriched homemade diet with fructose-containing drinking water. *Comparative Clinical Pathology*, 30(3):541-547.
- Udomkasemsab, A. and Prangthip, P., 2019. High fat diet for induced dyslipidemia and cardiac pathological alterations in Wistar rats compared to Sprague Dawley rats. *Clínica e Investigación en Arteriosclerosis*, 31(2):56-62.
- Venkata, R.P. and Subramanyam, R., 2016. Evaluation of the deleterious health effects of consumption of repeatedly heated vegetable oil. *Toxicology reports*, 3:636-643.
- Wang, M., Wang, F., Wang, Y., Ma, X., Zhao, M. and Zhao, C., 2013. Metabonomics study of the therapeutic mechanism of *Gynostemma pentaphyllum* and atorvastatin for hyperlipidemia in rats. *PLoS One*, 8(11):78731.
- Widowati, L., Astuti, Y. and Winarno, M.W., 2012. Efek Pemberian Air Embun terhadap Gambaran Hematologi dan Biokimia Darah. *Jurnal Kefarmasian Indonesia*, 11(9):.68-82.
- Widyaningsih, W., Salamah, N. and Maulida, F.Q., 2016. The effects of ethanolic extract of green algae (*Ulva lactuca* L.) on blood cholesterol levels in male rats induced by a high fat diet. *JKKI: Jurnal Kedokteran dan Kesehatan Indonesia*, 8(7):181-186.
- Winarsi, H., Yuniaty, A. dan Nuraeni, I., 2016. Peningkatan status antioksidan dan kekebalan adrenalin tikus aterosklerotik dan kuning telur yang diinduksi menggunakan ekstrak kapulaga-rimpang-etanolat: Studi awal makanan fungsional. *Pertanian dan Ilmu Pertanian Procedia*, 9(6):264-270.
- Windyaswari, A.S., Elfahmi, E., Faramayuda, F., Riyanti, S., Luthfi, O.M., Ayu, I.P., Pratiwi, N.T.M., Husna, K.H.N. and Magfirah, R., 2019. Profil fitokimia selada laut (*Ulva lactuca*) dan mikro alga filamen (*Spirogyra* sp) sebagai bahan alam bahari potensial dari perairan Indonesia. *Kartika: Jurnal Ilmiah Farmasi*, 7(2):88-101.
- Wurdianing, I., Nugraheni, S.A. and Rahfiludin, Z., 2014. Efek ekstrak daun sirsak (*Annona muricata* Linn) terhadap profil lipid tikus putih jantan (*Rattus Norvegicus*). *Jurnal Gizi Indonesia (The Indonesian Journal of Nutrition)*, 3(1):7-12.
- World Health Organization (WHO). *Interim Report of the Commission on Ending Childhood Obesity*; World Health Organization (WHO): Geneve, Switzerland

- Yanai, H., Masui, Y., Katsuyama, H., Adachi, H., Kawaguchi, A., Hakoshima, M., Waragai, Y., Harigae, T. and Sako, A., 2018. An improvement of cardiovascular risk factors by omega-3 polyunsaturated fatty acids. *Journal of clinical medicine research*, 10(4):281
- Yang, C., Li, L., Yang, L., Lü, H., Wang, S. and Sun, G., 2018. Anti-obesity and Hypolipidemic effects of garlic oil and onion oil in rats fed a high-fat diet. *Nutrition & metabolism*, 15(1):1-8.
- Yunita, D., L.P. Wrsiati, dan L. 2018. Suhendra. Characteristics of Bioactive Compounds Extract of Sea Lettuce (*Ulva lactuca* L.) on Ethanol Solvent Concentration and Extraction Time. *Jurnal Rekayasadan Manajemen Agroindustri*, 6 (3):189- 195
- Zaragoza, C., Gomez-Guerrero, C., Martin-Ventura, J.L., Blanco-Colio, L., Lavin, B., Mallavia, B., Tarin, C., Mas, S., Ortiz, A. and Egido, J., 2011. Animal models of cardiovascular diseases. *BioMed Research International*, 4(9):99
- Zaki, I. and Johan, A., 2015. Pengaruh pemberian jus mangga terhadap profil lipid dan malondialdehyde pada tikus yang diberi minyak jelantah. *Jurnal Gizi Indonesia (The Indonesian Journal of Nutrition)*, 3(2):108-115.
- Zeb, A., 2018. Asam ellagic dalam menekan tekanan oksidatif in vivo dan in vitro. *Biokimia Molekuler dan Seluler*, 448(1-2):27-41.
- Zhao, H., Gao, X. m., Cao, X. x., Zhang, L., Zhou, D., and Li, J. (2021). Revealing serum lipidomic characteristics and potential lipid biomarkers in patients with POEMS syndrome. *Journal of Cellular and Molecular Medicine*, 25(9):4307-4315.
- Zou, Y., Zhang, C., Ju, X., Wang, Z., Wu, Y., Yuan, J., Chen, W., and He, R. 2019. Effect of Removing Cadmium with Citric Acid on the Physicochemical and Microstructure Properties of Rice Bran. *Food Control*. pp: 290–296.