

DAFTAR PUSTAKA

- Aborhyem, S., Ismail, H., Agamy, N. and Tayel, D., (2016). Effect of Moringa Oleifera on Lipid Profile in Rats. *Journal of High Institute of Public Health*, 46(1), pp.8-14.
- Adedapo, A. A., Mogbojuri, O. M., and Emikpe, B. O. (2009). Safety evaluations of the aqueous extract of the leaves of Moringa oleifera in rats. *J. Med. Plant* 3, pp.586–591
- 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, p.100232.
- Alamsyah, M.A.B.O., (2019). Pengaruh Glukomanan Terhadap Penurunan Risiko Penyakit Stroke Iskemik. *Jurnal Ilmiah Kesehatan Sandi Husada*, 10(2), pp.292-298.
- Alethea, T. dan Ramadhian, M.R. (2015). Efek Antidiabetik pada Daun Kelor. *Jurnal Majority*, 4(9), pp.118-122
- Anggraini, D. I., & Labibah, Z. (2016). Diet Mediterania dan Manfaatnya terhadap Kesehatan Jantung dan Kardiovaskular. *Jurnal Majority*, 5(3), pp.188-193
- Anna, Y. and Nursalim, N. (2020). Acceptability and Nutrition Ingredients of Tempeh Stick with Anchovy Flour Addition. *Urban Health*, 2(1). 318-325
- Anwar F, Latif S, Ashraf M and Gilani AH. (2007). Moringa oleifera: a food plant with multiple medicinal uses. *Phytother Res*. 21: 17–25
- Anyanwu, C. F., Obianime, W. A., Siminialayi, I. M., & Aigbogun, E. O. (2019). Evaluating the effects of Moringa oleifera on atherogenic lipoprotein indices of HIV infected Nigerian adults on tenofovir-based antiretroviral regimen. *International Journal of Basic & Clinical Pharmacology*, 8(6), 1312.
- Aprilita, K. (2014). *Pengaruh Campuran Ekstrak Antosianin Beras Hitam (Oryza sativa L.) dan Ekstrak Protein Kedelai Hitam (Glycine max (L)Merr.) Terhadap Profil Lipid dan Status Antioksidan Plasma Tikus Ilmu dan Teknologi Pangan*. Skripsi. Universitas Gadjah Mada
- Arifin, W.N. and Zahiruddin, W.M., (2017). Sample size calculation in animal studies using resource equation approach. *The Malaysian journal of medical sciences: MJMS*, 24(5), p.101.
- Arifuddin, W. (2018). Aktivitas Antioksidan Senyawa Antosianin dari Ekstrak Etanol Ubi Jalar Ungu (Ipomoea batatas L). *Celebes Biodiversitas*, 1(2), pp.26-29
- Arnett, D.K., Blumenthal, R.S., Albert, M.A., Buroker, A.B., Goldberger, Z.D., Hahn, E.J., Himmelfarb, C.D., Khera, A., Lloyd-Jones, D., McEvoy, J.W. and Michos, E.D. (2019). 2019 ACC/AHA guideline on the primary prevention of cardiovascular disease: a report of the American College of Cardiology/American Heart Association Task Force on Clinical Practice Guidelines. *Journal of the American College of Cardiology*, 74(10), pp.e177-e232.

- Aryati, E. dan Dharmayanti, A.W.S. (2014). Manfaat ikan teri segar (*Stolephorus* sp) terhadap pertumbuhan tulang dan gigi. *ODONTO: Dental Journal*, 1(2), pp.52-56.
- Astrina, I. (2019). *Pengaruh Pemberian Ikan Teri Nasi Terhadap Jumlah Osteosit dan Kepadatan Tulang Alveolar Rahang Bawah pada Tikus Wistar Putih (Rattus norvegicus)*. Thesis. Universitas Sumatera Utara.
- Atsukwei, D., Eze, E.D., Adams, M.D., Adinoyi, S.S. and Ukpabi, C.N. (2014). Hypolipidaemic effect of ethanol leaf extract of *Moringa oleifera* Lam. in experimentally induced hypercholesterolemic wistar rats. *Int J Nutr Food Sci*, 3(4), pp.355-360.
- Azizah, A. (2020). *Analisis Vitamin A, Serat Kasar, dan Antioksidan Biskuit Tepung Campuran (Tepung Ubi Ungu, Daun Kelor, dan Ikan Teri) Sebagai Pangan Fungsional Berbasis Pangan Lokal*. Skripsi. Universitas Gadjah Mada
- Badan Penelitian dan Pengembangan Kesehatan. (2015). *Sample Registration System 2014*. Jakarta: Balitbangkes Kemenkes Indonesia.
- Badan Standarisasi Nasional. 1992. *SNI 01-2973-1992 : Biskuit*. Jakarta : Badan Standarisasi Nasional
- Bais, S., Singh, G.S. and Sharma, R. (2014). Antiobesity and hypolipidemic activity of *Moringa oleifera* leaves against high fat diet-induced obesity in rats. *Advances in Biology*. pp1-9
- Ballantyne, C. M., O'Keefe Jr, J. H., & Gotto Jr, A. M. (2008). *Dyslipidemia & Atherosclerosis Essentials*. New York: Jones & Bartlett Publishers.
- Bargut, T. C. L., Frantz, E. D., Mandarim-de-Lacerda, C. A., & Aguila, M. B. (2014). Effects of a diet rich in n-3 polyunsaturated fatty acids on hepatic lipogenesis and beta-oxidation in mice. *Lipids*, 49(5), pp.431-444
- Basuny, A. M., Arafat, S. M., & El-Marzooq, M. A. (2012). Antioxidant and antihyperlipidemic activities of anthocyanins from eggplant peels. *Journal of Pharma Research & Reviews*, 2(3), pp.50-57.
- Bergen, W. G., & Mersmann, H. J. (2005). Comparative aspects of lipid metabolism: impact on contemporary research and use of animal models. *The Journal of nutrition*, 135(11), pp.2499-2502.
- Bogoriani, N. W., & Ratnayani, K. (2015). Efek berbagai minyak pada metabolisme kolesterol terhadap tikus wistar. *Jurnal Kimia*, 9(1), pp.53-60.
- Bowen, K.J., Sullivan, V.K., Kris-Etherton, P.M. and Petersen, K.S. (2018). Nutrition and cardiovascular disease—an update. *Current atherosclerosis reports*, 20(2), p.1-11.
- Breukelman, G. J., Basson, A. K., Djarova, T. G., Du Preez, C. J., Shaw, I., & Shaw, B. S. (2019). Combination low carbohydrate, high fat diet and physical activity intervention on lipoprotein-lipids in type 2 diabetics. *Asian Journal of Sports Medicine*, 10(4). e86905.

- Brower, M., Grace, M., Kotz, C. M., & Koya, V. (2015). Comparative analysis of growth characteristics of Sprague Dawley rats obtained from different sources. *Laboratory animal research*, 31(4), pp.166-173.
- Burton-Freeman, B., Sandhu, A., & Edirisinghe, I. (2016). Anthocyanins. In *Nutraceuticals* (pp. 489-500). Cambridge : Academic Press
- Chen, W.P., Mao, T.J., Fan, L., Zhou, Y.H., Yu, J., Jin, Y. and Hou, P.C. (2011). Effect of purple sweet potato on lipid metabolism and oxidative stress in hyperlipidemic rats. *Journal of Zhejiang University. Medical sciences*, 40(4), pp.360-364.
- Chukwuebuka, E. (2015). Moringa oleifera “the mother’s best friend”. *International Journal of Nutrition and Food Sciences*, 4(6), 624-630.
- Chumark, P., Khunawat, P., Sanvarinda, Y., Phornchirasilp, S., Morales, N.P., Phivthong-ngam, L., Ratanachamnong, P., Srisawat, S. and Klai-upsorn, S.P. (2008). The in vitro and ex vivo antioxidant properties, hypolipidaemic and antiatherosclerotic activities of water extract of Moringa oleifera Lam. leaves. *Journal of ethnopharmacology*, 116(3), pp.439-446.
- Daeng, R.A. (2019). Pemanfaatan Tepung Tulang Ikan Cakalang (Katsuwonus pelamis) sebagai Sumber Kalsium dan Fosfor untuk Meningkatkan Nilai Gizi Biskuit. *JURNAL BIOSAINSTEK*, 1(01), pp.22-30.
- Djafri, D., & Hasanah, S. R. (2016). Meta-Analisis Faktor Risiko Modifiable Penyakit Kardiovaskular di Asia Tenggara. *Jukema (Jurnal Kesehatan Masyarakat Aceh)*, 2(1), pp.38-57
- El Husna, N., Novita, M. and Rohaya, S. (2013). Kandungan antosianin dan aktivitas antioksidan ubi jalar ungu segar dan produk olahannya. *Agritech*, 33(3), pp.296-302.
- 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. *Macedonian journal of medical sciences*, 6(8), p.1359.
- Fairudz, A. (2015). Pengaruh serat pangan terhadap kadar kolesterol penderita overweight. *Jurnal Majority*, 4(8), pp.121-126.
- Fatimatuzzahro, N. and Prasetya, R.C. (2018). Efek Kopi Robusta Terhadap Profil Lipid Darah Tikus Yang Diinduksi Seduhan Dan Berat Badan Diet Tinggi Lemak. *Jurnal Kedokteran Brawijaya*, 30(1), p.7-11
- Fernandez, M.L. and Webb, D. (2008). The LDL to HDL cholesterol ratio as a valuable tool to evaluate coronary heart disease risk. *Journal of the American College of Nutrition*, 27(1), pp.1-5.
- 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), pp.243-258.
- Fitriani, D., Rusmini, H. and Marek, Y.W. (2019). Pengaruh Pemberian Ekstrak Bunga Pepaya (*Carica Papaya* L) terhadap Kadar *High Density Lipoprotein*

(HDL) dan *Low Density Lipoprotein* (LDL) Darah Tikus (*Rattus Norvegicus*) Galur *Sprague Dawley* Jantan yang Diberi Diet Tinggi Lemak. *Jurnal Ilmu Kedokteran dan Kesehatan*, 6(4), pp.247-256.

Frianto, F., Fajriaty, I., Riza, H. (2019). Evaluasi Faktor Yang Mempengaruhi Jumlah Perkawinan Tikus Putih (*Rattus norvegicus*) Secara Kualitatif. *Jurnal Mahasiswa Farmasi Fakultas Kedokteran UNTAN*, 3(1), pp1-4

Gandasoebrata, R. (2010). *Penuntun Laboratorium Klinik*, Edisi 16. Dian Rakyat: Jakarta.

Ginting, E., Utomo, J.S., Yulifianti, R. and Jusuf, M., (2015). Potensi ubi jalar ungu sebagai pangan fungsional. *Iptek Tanaman Pangan*, 6(1), pp116-138

Gita, R.S.D. dan Danuji, S. (2018). Studi Pembuatan Biskuit Fungsional dengan Substitusi Tepung Ikan Gabus dan Tepung Daun Kelor. *BIOEDUSAINS: Jurnal Pendidikan Biologi Dan Sains*, 1(2), pp.155-162.

Gopalakrishnan, L., Doriya, K. and Kumar, D.S. (2016). Moringa oleifera: A review on nutritive importance and its medicinal application. *Food science and human wellness*, 5(2), pp.49-56.

Handayani, S. (2018). Efek Daun Alpukat (*Persea Americana* M.) dan Daun Kelor (*Moringa Oleifera* L.) terhadap Peningkatan Kadar HDL Pada Model Tikus Putih Hiperlipidemia. *Jurnal Keperawatan Soedirman*, 12(1), pp.47-54.

Harijono, H., Syamsuri, A. A., Fibrianto, K., Wulan, S. N., & Prasmita, H. S. (2021). Potensi Ekstrak Polisakarida Larut Air (PLA) dari Biji Asam (*Tamarindus indica* L) Sebagai Kontrol Berat Badan dan Glukosa Darah. *Jurnal Pangan dan Agroindustri*, 9(2), pp. 121-128.

Harvey, R. and Ferrier, D., (2014). *Biochemistry (Lippincott's illustrated reviews) Sixth Edition*. Philadelphia : Lippincott Williams & Wilkins

Hatmi, R.U. and Djaafar, T.F. (2014). Keberagaman Umbi-Umbian Sebagai Pangan Fungsional. In *Prosiding Seminar Hasil Penelitian Tanaman Aneka Kacang dan Umbi*, p. 951-960.

Helmy, S. A., Morsy, N. F., Elaby, S. M., & Ghaly, M. A. (2017). Hypolipidemic effect of Moringa oleifera Lam leaf powder and its extract in diet-induced hypercholesterolemic rats. *Journal of medicinal food*, 20(8), pp755-762.

Hendrayati, T.D.K., Budyghifari, L. and Adam, A. (2020). Proximate Characteristics and Nutritional Value of White Anchovy Flour. *Medico Legal Update*, 20(3), pp.744-749.

Igwe, K.K., Nwankwo, P.O., Otuokere, I.E., Ijioma, S.N. and Amaku, F. (2015). GCMS analysis of phytochemicals in the methanolic extract of Moringa oleifera leave. *Journal of Research in Pharmaceutical science*, 20, pp.01-06.

Ihedioha, J.I., Noel-Uneke, O.A. and Ihedioha, T.E. (2013). Reference values for the serum lipid profile of albino rats (*Rattus norvegicus*) of varied ages and sexes. *Comparative Clinical Pathology*, 22(1), pp.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), pp.32-42.
- Ismail, R. 2017. *Efek Ekstrak Daun Kelor (Moringa oleifera Lam.) terhadap Gambaran Histopatologi Jantung Tikus Putih (Rattus norvegicus) Model Hiperkolesterolemia*. Thesis. Universitas Sebelas Maret.
- Isnain, W. dan Muin, N., (2017). Ragam manfaat tanaman kelor (*Moringa oleifera* Lamk.) bagi masyarakat. *Buletin Eboni*, 14(1), pp.63-75.
- Jain, P.G., Patil, S.D., Haswani, N.G., Girase, M.V., Surana, S.J. (2010). Hypolipidemic activity of *Moringa oleifera* Lam, Moringaceae, on high fat diet induced hyperlipidemia in albino rats. *Revista Brasileira de Farmacognosia* 20, pp.969–973
- Jagat, A.N., Pramono, Y.B. and Nurwantoro, N. (2017). Pengkayaan Serat pada Pembuatan Biskuit dengan Substitusi Tepung Ubi Jalar Kuning (*Ipomea batatas* L.). *Jurnal Aplikasi Teknologi Pangan*, 6(2) pp1-4
- Jawi, I.M., Indrayani, A.W. and Sutirtayasa, I.W.P. (2015). Aqueous extract of balinese purple sweet potato (*Ipomoea Batatas* L.) prevents oxidative stress and decreases blood interleukin-1 in hypercholesterolemic rabbits. *Bali Med J*, 4(1), pp.37-40.
- Jawi, I.M., Sutirta-Yasa, I.W.P. and Mahendra, A.N. (2016). Antihypertensive and antioxidant potential of purple sweet potato tuber dry extract in Hypertensive rats. *Bali Med J*, 5, p.2.
- Jawi, I. M., Yasa, I. W. P. S., Mahendra, A. N., & Sumardika, I. W. (2020). Effective Dose and Safety Profile of Purple Sweet Potato Tablet Preparation in Rats With High Cholesterol Diet. *Biomedical and Pharmacology Journal*, 13(2), pp665-672.
- Jim, E.L. (2013). Metabolisme lipoprotein. *JURNAL BIOMEDIK: JBM*, 5(3). pp149-156
- Karim, N.A.A., Ibrahim, M.D., Kntayya, S.B., Rukayadi, Y., Hamid, H.A. and Razis, A.F.A., (2016). *Moringa oleifera* Lam Targeting Chemoprevention. *Asian Pacific Journal of Cancer Prevention*, 17(8), pp.3675-3686.
- Kementerian Kesehatan Republik Indonesia. (2013). *Riset Kesehatan Dasar tahun 2013*. Jakarta : Kementerian Kesehatan Republik Indonesia.
- Kementerian Kesehatan Republik Indonesia. (2018). *Tabel Komposisi Pangan Indonesia 2017*. Jakarta: Kementerian Kesehatan Republik Indonesia.
- Kementerian Kesehatan Republik Indonesia. (2018). *Hasil Utama Riskesdas 2018*. Jakarta : Kementerian Kesehatan Republik Indonesia.
- Kou, X., Li, B., Olayanju, J.B., Drake, J.M., Chen, N. (2018). Nutraceutical or pharmacological potential of *Moringa oleifera* Lam. *Nutrients* 10, 343.
- Kovar, J. dan Havel, R.J., (2002). Sources and properties of triglyceride-rich lipoproteins containing apoB-48 and apoB-100 in postprandial blood plasma

of patients with primary combined hyperlipidemia. *Journal of lipid research*, 43(7), pp.1026-1034.

Kumar PS, Mishra D, Ghosh G dan Panda GS. (2010). Medicinal uses and pharmacological properties of *Moringa oleifera*. *Int. J. Phytomed.*, 2010(2). pp 210–216.

Kunutsor, S. K., Zaccardi, F., Karppi, J., Kurl, S., & Laukkanen, J. A. (2016). Is high serum LDL/HDL cholesterol ratio an emerging risk factor for sudden cardiac death? Findings from the KIH study. *Journal of atherosclerosis and thrombosis*, 37184.

Kusumawardani, H.D., Riyanto, S., Setianingsih, I., Puspitasari, C., Juwantoro, D., Harfana, C. dan Ayuni, P.D., (2018). Kandungan gizi, organoleptik, dan umur simpan biskuit dengan substitusi tepung komposit (daun kelor, rumput laut, dan pisang). *Media Gizi Mikro Indonesia*, 9(2), pp.123-138.

Leocádio, P.C.L., Dias, R.P., Pinto, D.V., Reis, J.M., Nascimento, J.C.R., de Castro Brito, G.A., Valença Jr, J.T., Foureaux, G., Ferreira, A.J., Windmöller, C.C. dan Crespo-Lopez, M.E. (2020). Pollutants and nutrition: Are methylmercury effects on blood pressure and lipoprotein profile comparable to high-fat diet in mice?. *Ecotoxicology and Environmental Safety*, 204, p.111036.

Leone, A., Spada, A., Battezzati, A., Schiraldi, A., Aristil, J. and Bertoli, S. (2015). Cultivation, genetic, ethnopharmacology, phytochemistry and pharmacology of *Moringa oleifera* leaves: An overview. *International journal of molecular sciences*, 16(6), pp.12791-12835.

Lin, M., Zhang, J. and Chen, X. (2018). Bioactive flavonoids in *Moringa oleifera* and their health-promoting properties. *Journal of functional foods*, 47, pp.469-479.

Lordan, R., Tsoupras, A. and Zabetakis, I. (2017). Phospholipids of animal and marine origin: Structure, function, and anti-inflammatory properties. *Molecules*, 22(11), p.1964.

M. Calderon-Montano, J., Burgos-Moron, E., Perez-Guerrero, C., & Lopez-Lazaro, M. (2011). A Review on the Dietary Flavonoid Kaempferol. *Mini-Reviews in Medicinal Chemistry*, 11(4), pp. 298–344.

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*, pp.1-9.

Martiningsih, M. and Haris, A. (2019). Risiko Penyakit Kardiovaskuler pada Peserta Program Pengelolaan Penyakit Kronis (Prolanis) di Puskesmas Kota Bima: Korelasinya dengan Ankle Brachial Index dan Obesitas. *Jurnal Keperawatan Indonesia*, 22(3), pp.200-208.

Mattioli, R., Francioso, A., Mosca, L. and Silva, P. (2020). Anthocyanins: A Comprehensive Review of Their Chemical Properties and Health Effects on

Cardiovascular and Neurodegenerative Diseases. *Molecules*, 25(17), p.3809.

- Ma'rufi, R. and Rosita, L. (2014). Hubungan dislipidemia dan kejadian penyakit jantung S, M. (2012). Therapeutic potential of Moringa oleifera leaves in chronic hyperglycemia and dyslipidemia: a review. *Frontiers in pharmacology*, 3(24)., pp1-12
- Mbikay, M., Sirois, F., Simoes, S., Mayne, J., & Chretien, M. (2014). Quercetin-3-glucoside increases low-density lipoprotein receptor (LDLR) expression, attenuates proprotein convertase subtilisin/kexin 9 (PCSK9) secretion, and stimulates LDL uptake by Huh7 human hepatocytes in culture. *FEBS Open Bio*, 4, 755–762
- Millán, J., Pintó, X., Muñoz, A., Zúñiga, M., Rubiés-Prat, J., Pallardo, L. F., ... & Pedro-Botet, J. (2009). Lipoprotein ratios: physiological significance and clinical usefulness in cardiovascular prevention. *Vascular health and risk management*, 5, 757.
- Miyazaki, K., Makino, K., Iwadate, E., Deguchi, Y. and Ishikawa, F. (2008). Anthocyanins from purple sweet potato Ipomoea batatas cultivar Ayamurasaki suppress the development of atherosclerotic lesions and both enhancements of oxidative stress and soluble vascular cell adhesion molecule-1 in apolipoprotein E-deficient mice. *Journal of agricultural and food chemistry*, 56(23), pp.11485-11492
- Mohan, C. (2011). Tropical tuber crops. In H. P. Singh & V. A. Parthasarathy (Eds.), *Advances in Horticultur biotechnology: Molecular markers and marker assisted selection-vegetables, ornamental and tuber crops (Volume IV)*, pp 187-230, New Delhi : Westville Publishing House
- Mohanraj, R. dan Sivasankar, S. (2014). Sweet Potato (Ipomoea batatas [L.] Lam)- A valuable medicinal food: A review. *Journal of medicinal food*, 17(7), pp.733-741.
- Mohanty, B.P., Ganguly, S., Mahanty, A., Sankar, T.V., Anandan, R., Chakraborty, K., Paul, B.N., Sarma, D., Syama Dayal, J., Venkateshwarlu, G. and Mathew, S. (2016). DHA and EPA content and fatty acid profile of 39 food fishes from India. *BioMed Research International*, 2016, pp1-14
- Moyo, B., Masika, P.J., Hugo, A., dan Muchenje V. (2011). Nutritional characterization of Moringa (Moringa oleifera Lam.) leaves. *Afr J Biotechnol*. 2011(10).pp 12925–12933.
- Nahar, S., Faisal, F. M., Iqbal, J., Rahman, M. M., & Yusuf, M. A. (2016). Antiobesity activity of Moringa oleifera leaves against high fat diet-induced obesity in rats. *Int J Basic Clin Pharmacol*, 10, pp.1263-8.
- Nambiar, V.S., Guin, P., Pamami, S. and Daniel, M. (2010). Impact of antioxidants from drumstick leaves on the lipid profile of hyperlipidemics. *J Herb Med Toxicol*, 4(1), pp.165-172.
- National Cholesterol Education Program (US). (2002). *Third report of the National Cholesterol Education Program (NCEP) Expert Panel on detection,*

evaluation, and treatment of high blood cholesterol in adults (Adult Treatment Panel III) (No. 2). National Cholesterol Education Program, National Heart, Lung, and Blood Institute, National Institutes of Health.

- Novidiyanto, N., Farmawati, A., & Lestari, L. A. (2016). Pengaruh pemberian kecambah kacang hijau (*Phaseolus radiatus* (L.)) terhadap kadar malondealdehid (MDA) plasma dan jaringan hati tikus Sprague Dawley yang diberi pakan lemak tinggi. *Jurnal Gizi Klinik Indonesia*, 13(2), pp.82-89.
- Nurman, Z., Masrul, M. and Sastri, S. (2018). Pengaruh pektin buah apel (*Malus sylvestris* mill) terhadap kadar LDL kolesterol pada tikus putih jantan (*Rattus norvegicus*) hiperkolesterolemia. *Jurnal Kesehatan Andalas*, 6(3), pp.679-684.
- Obayuwana, E.E., Ubhenin, A.E. and Innih, S.O. (2019). Hypocholesterolemic and Protective Effects of Aqueous Extract of *Moringa oleifera* on High Fat Diet-Induced Cardiovascular Lesions in Rats. *African Scientist*, 17(4), pp.295-306.
- Olayaki, L.A., Irekpita, J.E., Yakubu, M.T. and Ojo, O.O. (2015). Methanolic extract of *Moringa oleifera* leaves improves glucose tolerance, glycogen synthesis and lipid metabolism in alloxan-induced diabetic rats. *Journal of basic and clinical physiology and pharmacology*, 26(6), pp.585-593.
- Onwe, P.E., Folawiyo, M.A., Anyigor-Ogah, C.S., Uche, J.E., Balogun, M.E., Umahi, G., Besong, E.E., Okorochoa, A.E. and Afoke, A.O. (2015). *Extracts of Moringa oleifera a sure bet for Hyperlipidemia management*. IOSR Journal of Pharmacy and Biological Sciences (IOSR-JPBS) 10(5) pp28-32
- Oyeleye, S.I., Olasehinde, T.A., Ademosun, A.O., Akinyemi, A.J. dan Oboh, G. (2019). Horseradish (*Moringa oleifera*) seed and leaf inclusive diets modulates activities of enzymes linked with hypertension, and lipid metabolites in high-fat fed rats. *PharmaNutrition*, 7, p.100141.
- Paliwal, R.; Sharma, V., Pracheta. (2011). A review on horse radish tree (*Moringa oleifera*): A multipurpose tree with high economic and commercial importance. *Asian J. Biotechnol.*, 3, 317–328.
- Pallazola, V. A., Davis, D. M., Whelton, S. P., Cardoso, R., Latina, J. M., Michos, E. D., ... & Welty, F. K. (2019). A Clinician's guide to healthy eating for cardiovascular disease prevention. *Mayo Clinic Proceedings: Innovations, Quality & Outcomes*, 3(3), pp 251-267.
- Panda, V. and Sonkamble, M. (2012). Phytochemical constituents and pharmacological activities of *Ipomoea batatas* L.(Lam)—A review. *International Journal of Research in Phytochemistry and Pharmacology*, 2(1), pp.25-34.
- Parim, B., Harishankar, N., Balaji, M., Pothana, S. and Sajjalaguddam, R.R. (2015). Effects of *Piper nigrum* extracts: Restorative perspectives of high-fat diet-induced changes on lipid profile, body composition, and hormones in Sprague–Dawley rats. *Pharmaceutical biology*, 53(9), pp.1318-1328.

- Pitoyo, F.L.H. dan Fatmawati, H. (2012). Efek quercetin untuk menurunkan kadar trigliserida dan glukosa darah pada tikus model diet-induced obesity. *Jurnal Medika Planta*, 1(5): pp40-44.
- 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), p.1099.
- Prabu, S.L., Umamaheswari, A. and Puratchikody, A. (2019). Phytopharmacological potential of the natural gift Moringa oleifera Lam and its therapeutic application: An overview. *Asian Pacific Journal of Tropical Medicine*, 12(11), p.485-498
- Pratama, A.C. dan 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), pp.11-18.
- Primawestri, M. A., & Rustanti, N. (2014). Pengaruh pemberian susu koro pedang (*Canavalia ensiformis*) terhadap kadar kolesterol total dan trigliserida serum tikus Sprague dawley hiperkolesterolemia. *Journal of Nutrition College*, 3(4), pp.447-455.
- Putri, Y., Julianti, E. and Ridwansyah, R. (2020). Karakteristik Kimia Biskuit dari Tepung Ubi Jalar Ungu dan Terigu. *Jurnal Teknologi dan Industri Pertanian Indonesia*, 12(1), pp.30-36.
- Qin, Y., Xia, M., Ma, J., Hao, Y., Liu, J., Mou, H. (2009). Anthocyanin supplementation improves serum LDL- and HDL-cholesterol concentrations associated with the inhibition of cholesteryl ester transfer protein in dyslipidemic subjects. *Am J Clin Nutr*. 90 pp.485-492.
- Rahmi, Y., Widya, N., Anugerah, P.N. and Tanuwijaya, L.K. (2018). Tepung ikan teri nasi (*Stoleporus commersini* Lac.) sebagai sumber kalsium dan protein pada corn flakes alternatif sarapan anak usia sekolah. *Nutrire Diaita*, 10(1), pp.34-44.
- Rajanandh, M.G., Satishkumar, M.N., Elango, K., dan Suresh, B. (2012). Moringa oleifera Lam. a herbal medicine for hyperlipidemia: a pre-clinical report. *Asian Pacific Journal of Tropical Disease*, 2:S790-S795.
- Rajesh, V., Perumal, P. and Aruna, P. (2013). Hypolipidemic and antioxidant activity of grape skin extract and resveratrol on rats fed with high-fat diet. *Oriental Pharmacy and Experimental Medicine*, 13(1), pp.11-20.
- Ratnasari, D., Yuniarta, Y. and Maligan, J.M. (2015). Pengaruh Tepung Kacang Hijau, Tepung Labu Kuning, Margarin Terhadap Fisikokimia dan Organoleptik Biskuit. *Jurnal Pangan dan Agroindustri*, 3(4). pp1652-1661
- Reeves, P. G., Nielsen, F. H., & Fahey, G. C., Jr. 1993. AIN-93 purified diets for laboratory rodents: final report of the American Institute of Nutrition ad hoc writing committee on the reformulation of the AIN-76A rodent diet. *The Journal of nutrition*, 123(11)., pp.1939-1951

- Rijal, M., Natsir, N.A. and Sere, I. (2019). Analisis Kandungan Gizi pada Tepung Ubi Ungu (*Ipomoea batatas* var *Ayumurasaki*) dengan Pengeringan Sinar Matahari dan Oven. *Jurnal Biotek*, 7(1), pp.48-57.
- 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), pp.76-86.
- Romadhoni, D. (2013). *Efek Pemberian Ekstrak Air Daun Kelor (Moringa oleifera Lam.) Terhadap Kadar LDL dan HDL Serum Tikus Putih (Rattus norvegicus) Strain Wistar yang Diberi Diet Aterogenik*. Doctoral dissertation. Universitas Brawijaya.
- Roth, G.A., Johnson, C., Abajobir, A., Abd-Allah, F., Abera, S.F., Abyu, G., Ahmed, M., Aksut, B., Alam, T., Alam, K. and Alla, F. (2017). Global, regional, and national burden of cardiovascular diseases for 10 causes, 1990 to 2015. *Journal of the American College of Cardiology*, 70(1), pp.1-25.
- Roth, G.A., Abate, D., Abate, K.H., Abay, S.M., Abbafati, C., Abbasi, N., Abbastabar, H., Abd-Allah, F., Abdela, J., Abdelalim, A. and Abdollahpour, I. (2018). Global, regional, and national age-sex-specific mortality for 282 causes of death in 195 countries and territories, 1980–2017: a systematic analysis for the Global Burden of Disease Study 2017. *The Lancet*, 392(10159), pp.1736-1788.
- Saputra, B.F., Affandi, D.R. and Praseptianga, D. (2014). Kajian Sensoris, Sifat Kimia Dan Sifat Fungsional Mi Instan Dengan Substitusi Bekatul Beras Merah Dan Tepung Ubi Jalar Ungu. *Jurnal Teknosains Pangan*, 3(2)pp49-56
- Saravanan, G., Ponmurugan, P., Deepa, M.A. and Senthilkumar, B. (2014). Anti-obesity action of gingerol: effect on lipid profile, insulin, leptin, amylase and lipase in male obese rats induced by a high-fat diet. *Journal of the Science of Food and Agriculture*, 94(14), pp.2972-2977.
- Sari, I.P., Pontoh, J. and Sangi, M.S. (2018). Komposisi kimia asam-asam lemak pada daging ikan teri (*Stophelorus* sp.). *Chemistry Progress*, 11(2), pp63-68.
- Savitri, N., & Puruhita, N. (2014). Pengaruh Pemberian Ikan Teri (*Engraulis encrasicolus*) Terhadap Kadar C-reactive Protein (Crp) Tikus Sprague Dawley Usia Satu Bulan. *Journal of Nutrition College*, 3(4), 966-971.
- Setiawan, M. and Rahadi, E.F., 2019. Pengaruh Ekstrak Ubi Jalar Ungu (*Ipomoea batatas* L.) Terhadap Kadar Superoksida Dismutase (SOD) Tikus Putih Jantan (*Rattus Norvegicus*) Galur Wistar Model Aterosklerosis. *MED-ART*, 1(2), pp.15-20
- Shekhar, S., Mishra, D., Buragohain, A. K., Chakraborty, S., & Chakraborty, N. (2015). Comparative analysis of phytochemicals and nutrient availability in two contrasting cultivars of sweet potato (*Ipomoea batatas* L.). *Food Chemistry*, 173, 957–965.

- Shen, T., Xing, G., Zhu, J., Zhang, S., Cai, Y., Li, D., ... & Shi, R. (2017). Effects of 12-week supplementation of marine Omega-3 PUFA-based formulation Omega3Q10 in older adults with prehypertension and/or elevated blood cholesterol. *Lipids in health and disease*, 16(1), pp1-11
- Sidhu, K.S. (2003). Health benefits and potential risks related to consumption of fish or fish oil. *Regulatory toxicology and pharmacology*, 38(3), pp.336-344.
- Sirois, M. (2005). *Laboratory Animal Medicine: Principles and Procedures*. St Louis: Elsevier Mosby
- Smith, J.B. & Mangkoewidjojo, S. (1988). *Pemeliharaan, Pembiakan dan Penggunaan Hewan Percobaan di Daerah Tropis*. Jakarta : Penerbit Universitas Indonesia.
- Sudjatinah, Wibowo, C.H. and Putri, A.S. (2020). A Study on The Utilization of Purple Sweet Potato (*Ipomea batatas* L) for Ice Cream as Antioxidants. *Journal of Applied Food Technology*, 7(1), pp. 1-4
- Surampudi, P., Enkhmaa, B., Anuurad, E. and Berglund, L. (2016). Lipid lowering with soluble dietary fiber. *Current atherosclerosis reports*, 18(12), pp1-13
- Suter, I. K. (2013). Pangan Fungsional dan Prospek Pengembangannya. *Prosiding Seminar Sehari dengan Tema "Pentingnya Makanan Alamiah (Natural Food) Untuk Kesehatan Jangka Panjang"*. pp. 1-17
- Sutirta-Yasa, I.W.P. and Jawi, I.M. (2017). Antioxidant potential and hypolipidemic effects of combined purple sweet potato (*Ipomoea batatas* L.) tuber extract with honey in rats given high cholesterol feed. *Bali Medical Journal*, 6(3), pp.65-69.
- Sutirta-Yasa, I.W.P.S., Jawi, I.M. and Astawa, P. (2018). The Comparative Effect of Liquid and Tablet Preparation of Purple Sweet Potato (*Ipomoea batatas* L) Extract to Lipid Profile, MDA, and SOD Level in Male Wistar Rats After Given High-Cholesterol Diet. *Journal of Global Pharma Technology*. 10(07). pp356-361
- Syadza, M. N., & Isnawati, M. (2014). Pengaruh pemberian Jus pare (*Momordica charantia* Linn.) dan jus jeruk nipis (*Citrus aurantifolia*) terhadap peningkatan kadar kolesterol HDL (High Density Lipoprotein) tikus Sprague dawley dyslipidemia. *J Nutr Coll* 3(4), pp933-942
- Thomas, H., Diamond, J., Vieco, A....., Moran, A.E. (2018). Global Atlas of Cardiovascular Disease 2000-2016: The Path to Prevention and Control. *Glob Heart* 2018; 13 (3): 143-63.
- 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*, pp.1-7.
- Udomkasemsab, A. and Prangthip, P. (2018). 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), pp.56-62.

- Upa, F.T., Saroyo, S. and Katili, D.Y. (2017). Komposisi pakan tikus ekor putih (*Maxomys hellwandi*) di kandang. *Jurnal Ilmiah Sains*, 17(1), pp.7-12.
- Utami,A.N.D.P. Hadju, V., Masni. (2016). Pengaruh Pemberian Kapsul Ubi Jalar Ungu Terhadap Kadar HDL dan LDL Guru Obesitas Sentral di SMPN Kota Makassar. *JST Kesehatan*, 6(1), pp91-96
- Valdez-Solana, M.A., Mejía-García, V.Y., Téllez-Valencia, A., García-Arenas, G., Salas-Pacheco, J., Alba-Romero, J.J. and Sierra-Campos, E. (2015). Nutritional content and elemental and phytochemical analyses of *Moringa oleifera* grown in Mexico. *Journal of Chemistry*, 2015(1), pp1-9
- Vasudevan, D.M., Sreekumari, S. and Vaidyanathan, K. (2013). *Textbook of biochemistry for medical students*. New Delhi : JP Medical Ltd.
- Vergara-Jimenez, M., Almatrafi, M.M. and Fernandez, M.L. (2017). Bioactive components in *Moringa oleifera* leaves protect against chronic disease. *Antioxidants*, 6(4), p.91.Wang, S., Nie, S. and Zhu, F., 2016. Chemical constituents and health effects of sweet potato. *Food Research International*, 89, pp.90-116.
- Verma, A. R., Vijayakumar, M., Mathela, C. S., & Rao, C. V. (2009). In vitro and in vivo antioxidant properties of different fractions of *Moringa oleifera* leaves. *Food and Chemical Toxicology*, 47(9), pp. 2196–2201.
- Virani, S.S., Alonso, A., Benjamin, E.J., Bittencourt, M.S., Callaway, C.W., Carson, A.P., Chamberlain, A.M., Chang, A.R., Cheng, S., Delling, F.N. and Djousse, L. (2020). Heart disease and stroke statistics—2020 update: a report from the American Heart Association. *Circulation*, pp.E139-E596.
- Wang, S., Nie, S., & Zhu, F. (2016). Chemical constituents and health effects of sweet potato. *Food Research International*, 89, pp. 90–116.
- Winarsi, H. (2019). Isoflavon Kedelai Diperkaya dengan Zn sebagai Suplemen Antiarterosklerosis Wanita Premenopause. *Biota: Jurnal Ilmiah Ilmu-Ilmu Hayati*, 12(2), pp.70-77.
- World Health Organization. (2020). *Cardiovascular diseases (CVDs)* [Internet]. Tersedia dalam: <[https://www.who.int/news-room/fact-sheets/detail/cardiovascular-diseases-\(cvds\)](https://www.who.int/news-room/fact-sheets/detail/cardiovascular-diseases-(cvds))> [Diakses 8 September 2020].
- Wu, Q., Qu, H., Jia, J., Kuang, C., Wen, Y., Yan, H. and Gui, Z. (2015). Characterization, antioxidant and antitumor activities of polysaccharides from purple sweet potato. *Carbohydrate Polymers*, 132, pp.31-40.
- Wulandari, R. L., Susilowati, S., & Amelya, S. (2017). Pengaruh kombinasi ekstrak etanol daun sirsak dan gemfibrozil terhadap kadar trigliserida dan HDL tikus yang diinduksi pakan tinggi lemak. *Jurnal Ilmu Farmasi dan Farmasi Klinik*, pp.78-84.
- 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), p.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), pp.1-8.
- Yolanda, R.S., Dewi, D.P. and Wijanarka, A. (2018). Kadar serat pangan, proksimat, dan energi pada mie kering substitusi tepung ubi jalar ungu (*Ipomoea batatas* L. Poir). *Ilmu Gizi Indonesia*, 2(1), pp.01-06.
- Yu, E., Malik, V. S., & Hu, F. B. (2018). Cardiovascular disease prevention by diet modification: JACC health promotion series. *Journal of the American College of Cardiology*, 72(8), pp.914-926.
- Yuan, F., Wang, H., Tian, Y., Li, Q., He, L., Li, N. and Liu, Z. (2016). Fish oil alleviated high-fat diet-induced non-alcoholic fatty liver disease via regulating hepatic lipids metabolism and metaflammation: a transcriptomic study. *Lipids in health and disease*, 15(1), p.20.
- Yustisiani, A., & Andari, D. (2013). Pengaruh pemberian kopi terhadap penurunan kadar glukosa darah pada tikus putih strain wistar diabetes mellitus tipe 2. *Saintika Medika*, 9(1), pp.38-45.
- Zhu, Y., Huang, X., Zhang, Y., Wang, Y., Liu, Y., Sun, R. and Xia, M. (2014). Anthocyanin supplementation improves HDL-associated paraoxonase 1 activity and enhances cholesterol efflux capacity in subjects with hypercholesterolemia. *The Journal of Clinical Endocrinology & Metabolism*, 99(2), pp.561-569.
- Zhu, F. and Sun, J. (2019). Physicochemical and sensory properties of steamed bread fortified with purple sweet potato flour. *Food Bioscience*, 30, p.100411.
- Zibaeenezhad, M. J., Ghavipisheh, M., Attar, A., & Aslani, A. (2017). Comparison of the effect of omega-3 supplements and fresh fish on lipid profile: a randomized, open-labeled trial. *Nutrition & diabetes*, 7(12), pp.1-8.
- Zuliani, G., Galvani, M., Leitersdorf, E., Volpato, S., Cavalieri, M. and Fellin, R. (2009). The role of polyunsaturated fatty acids (PUFA) in the treatment of dyslipidemias. *Current pharmaceutical design*, 15(36), pp.4087-4093.