DAFTAR PUSTAKA

Abdelmalek, M.F. & Diehl, A.M. (2018). Nonalcoholic Fatty Liver Diseases and Nonalcoholic Steatohepatitis. Dalam Jameson, J.L., Kasper, D.L., Longo, L.D., Fauci, A.S., Hauser, S.L., and Loscalzo, J. Harrison's Principles of Internal Medicine. 20th ed. USA: McGraw-Hill Education. pp. 2401-2405.

Adiwinata, R., Kristanto, A., Christianty, F., Richard, T., & Edbert, D. (2015). Tatalaksana Terkini Perlemakan Hati Non Alkoholik. *Jurnal Penyakit Dalam Indonesia*, *2*(1), 53. https://doi.org/10.7454/jpdi.v2i1.65

Aggarwal, P., Singh, T., & Alkhouri, N. (2020). Metabolic Targets in Nonalcoholic Steatohepatitis: Treating the Disease at the Metabolic Root. *Current Hepatology Reports*, *19*(3), 302–314. https://doi.org/10.1007/s11901-020-00533-x

Al-Hajj, N. Q. M., Algabr, M., Sharif, H. R., Aboshora, W., & Wang, H. (2016). In Vitro and in Vivo Evaluation of Antidiabetic Activity of Leaf Essential Oil of Pulicaria inuloides-Asteraceae. *Journal of Food and Nutrition Research*, *4*(7), 461–470. https://doi.org/10.12691/jfnr-4-7-8

Althaher A. R. (2022). An Overview of Hormone-Sensitive Lipase (HSL). TheScientificWorldJournal, 2022, 1964684. https://doi.org/10.1155/2022/1964684

American Diabetes Association (ADA). (2023). Diabetes Care: Standards of Care in Diabetes—2023. Volume 46. USA. 291 p.

Apriani, Andrianus, Marisca, S., & Diana, P. (2023). Ez Prep Concentrate (Ez Prep) Sebagai Alternatif Reagen Deparafinasi Pada Pewarnaan Hematoksilin Eosin. *G-Tech: Jurnal Teknologi Terapan*, *7*(1), 96–102. https://doi.org/10.33379/gtech.v7i1.1874

Ariyadi, T., & Suryono, H. (2017). Kualitas sediaan jaringan kulit metode microwave dan conventional histoprocessing pewarnaan hematoxylin eosin. *JLabMed*, *1*(1), 7–11. https://jurnal.unimus.ac.id/index.php/JLabMed/article/view/2393

Bedi, O., Aggarwal, S., Trehanpati, N., Ramakrishna, G., & Krishan, P. (2019). Molecular and Pathological Events Involved in the Pathogenesis of Diabetes-Associated Nonalcoholic Fatty Liver Disease. *Journal of Clinical and Experimental Hepatology*, *9*(5), 607–618. https://doi.org/10.1016/j.jceh.2018.10.004

Bender, D.A. & Mayes, P.A. (2015). Tinjauan Umum Metabolisme dan Penyediaan Bahan Bakar Metabolik. Dalam Rodwell, V.W., Bender, D.A., Botham, K.M., Kennely, P.J., and Weil, P.A. Harper's Illustrated Biochemistry. 30th ed. USA: McGraw-Hill Education. pp. 139-151.

Bhatt, H. B., & Smith, R. J. (2015). Fatty liver disease in diabetes mellitus. *Hepatobiliary Surgery and Nutrition*, *4*(2), 101–108. https://doi.org/10.3978/j.issn.2304-3881.2015.01.03

Botham, K.M. & Mayes, P.A. (2015). Pengangkutan dan Penyimpanan Lipid. Dalam Rodwell, V.W., Bender, D.A., Botham, K.M., Kennely, P.J., and Weil, P.A. Harper's Illustrated Biochemistry. 30th ed. USA: McGraw-Hill Education. pp. 253-265.

Botham, K.M. & Mayes, P.A. (2015). Biosintesis Asam Lemak dan Eikosanoid. Dalam Rodwell, V.W., Bender, D.A., Botham, K.M., Kennely, P.J., and Weil, P.A. Harper's Illustrated Biochemistry. 30th ed. USA: McGraw-Hill Education. pp. 232-244.

Botham, K.M. & Mayes, P.A. (2015). Sintesis, Transpor, dan Ekskresi Kolesterol. Dalam Rodwell, V.W., Bender, D.A., Botham, K.M., Kennely, P.J., and Weil, P.A. Harper's Illustrated Biochemistry. 30th ed. USA: McGraw-Hill Education. pp. 266-276.

BPOM. (2023). Peraturan Badan Pengawas Obat dan Makanan Nomor 20 Tahun 2023 tentang Pedoman Uji Farmakodinamik Praklinik Obat Tradisional.

Brunt, E. M. (2016). Nonalcoholic fatty liver disease: Pros and cons of histologic systems of evaluation. *International Journal of Molecular Sciences*, *17*(1). https://doi.org/10.3390/ijms17010097

Budiarto, M. A., Yuniwarti, E. Y. W., & -, I. (2016). Pengaruh Pemberian Tepung Daun Jati Belanda (Guazuma ulmifolia L.) dalam Pakan terhadap Kadar Trigliserida Darah dan Lemak Abdominal Ayam Broiler. *Buletin Anatomi Dan Fisiologi*, *1*(1), 43. https://doi.org/10.14710/baf.1.1.2016.43-47

Buzzetti, E., Pinzani, M., & Tsochatzis, E. A. (2016). The multiple-hit pathogenesis of non-alcoholic fatty liver disease (NAFLD). *Metabolism: Clinical and Experimental*, *65*(8), 1038–1048. https://doi.org/10.1016/j.metabol.2015.12.012

Cardiff, R. D., Miller, C. H., & Munn, R. J. (2014). Manual hematoxylin and eosin staining of mouse tissue sections. *Cold Spring Harbor Protocols*, *2014*(6), 655–658. https://doi.org/10.1101/pdb.prot073411

Caturano, A., Acierno, C., Nevola, R., Pafundi, P. C., Galiero, R., Rinaldi, L., Salvatore, T., Adinolfi, L. E., & Sasso, F. C. (2021). Non-alcoholic fatty liver disease: From pathogenesis to clinical impact. *Processes*, *9*(1), 1–18. https://doi.org/10.3390/pr9010135

Chalasani, N., Younossi, Z., Lavine, J. E., Charlton, M., Cusi, K., Rinella, M., Harrison, S. A., Brunt, E. M., & Sanyal, A. J. (2018). The diagnosis and management of nonalcoholic fatty liver disease: Practice guidance from the American Association for the Study of Liver Diseases. *Hepatology*, *67*(1), 328–357. https://doi.org/10.1002/hep.29367

Ciumărnean, L., Milaciu, M. V., Runcan, O., Vesa, S. C., Răchisan, A. L., Negrean, V., Perné, M. G., Donca, V. I., Alexescu, T. G., Para, I., & Dogaru, G. (2020). The effects of flavonoids in cardiovascular diseases. *Molecules*, *25*(18), 1–18. https://doi.org/10.3390/molecules25184320

da Silva Pereira, E. N. G., de Araujo, B. P., Rodrigues, K. L., Silvares, R. R., Martins, C. S. M., Flores, E. E. I., Fernandes-Santos, C., & Daliry, A. (2022). Simvastatin Improves Microcirculatory Function in Nonalcoholic Fatty Liver Disease and Downregulates Oxidative and ALE-RAGE Stress. *Nutrients*, *14*(3). https://doi.org/10.3390/nu14030716

Devaraj, S., Semaan, J. R., & Jialal, I. (2023). Biochemistry, Apolipoprotein B. In StatPearls. StatPearls Publishing.

de Vries, M., Westerink, J., El-Morabit, F., Kaasjager, H. A. H. (Karin., & de Valk, H. W. (2022). Prevalence of non-alcoholic fatty liver disease (NAFLD) and its association with surrogate markers of insulin resistance in patients with type 1 diabetes. *Diabetes Research and Clinical Practice*, *186*(October 2021), 109827. https://doi.org/10.1016/j.diabres.2022.109827

Dewatisari, W. F., Rumiyanti, L., & Rakhmawati, I. (2018). Rendemen dan Skrining Fitokimia pada Ekstrak Daun Sanseviera sp. *Jurnal Penelitian Pertanian Terapan*, *17*(3), 197. https://doi.org/10.25181/jppt.v17i3.336

Drake, R.L., Vogl, A.W., & Mitchell, A.W.M. (2015). Gray's Anatomy for Students. 3rd ed. Philadelphia: Elsevier. 1161 p.

Enjoji, M., Kohjima, M., & Nakamuta, M. (2016). Lipid Metabolism and the Liver. Dalam Ohira, H. The Liver in Systemic Diseases. 1st ed. Tokyo: Springer Tokyo. pp. 105-122.

Fahrudin, F., Ningsih, S., Wardhana, H.I., Haribowo, D.R., & Hamida, F. (2020). Efektivitas Dosis Karbon Tetraklorida (CCL_4) terhadap Tikus (Rattus norvegicus L.) sebagai Hewan Model Fibrosis Hati. Dalam LIPI. Berita Biologi: Jurnal Ilmu-ilmu Hayati, 19 (3B). pp. 411-422.

Fatimah, S., & Prasetyaningsih, Y. (2019). Pengaruh Pemberian Ekstrak Etanol Daun Ubi Jalar Ungu (Ipomoea Batatas (L.) Lam) terhadap Kadar Kolesterol Ldl Tikus Hiperkolesterolemia. *Jurnal Nasional Teknologi Terapan (JNTT)*, *2*(2), 184. https://doi.org/10.22146/jntt.42772

Feingold, K. R. (2024). Cholesterol Lowering Drugs. In K. R. Feingold (Eds.) et. al., Endotext. MDText.com, Inc.

Fernando, D. H., Forbes, J. M., Angus, P. W., & Herath, C. B. (2019). Development and progression of non-alcoholic fatty liver disease: The role of advanced glycation end products. *International Journal of Molecular Sciences*, *20*(20). https://doi.org/10.3390/ijms20205037

Firdaus, Rimbawan, Anna Marliyati, S., & Roosita, K. (2016). Model Tikus Diabetes Yang Diinduksi Streptozotocin-Sukrosa Untuk Pendekatan Penelitian Diabetes Melitus Gestasional. *Jurnal Mkmi*, *12*(1), 29–34.

Foretz, M., Even, P. C., & Viollet, B. (2018). AMPK activation reduces hepatic lipid content by increasing fat oxidation in vivo. *International Journal of Molecular Sciences*, *19*(9). https://doi.org/10.3390/ijms19092826

Fungwe, T. V., Aldawood, F., Ngwa, J. S., & Hatahet, W. (2015). Stimulation of adipose tissue lipoprotein lipase activity improves glucose metabolism and increases high density lipoprotein cholesterol in the spontaneously hypertensive stroke-prone rat. *Current Research in Nutrition and Food Science*, *3*(3), 177–186. https://doi.org/10.12944/CRNFSJ.3.3.01

Gill, R.M. & Kakar, S. (2021). Liver and Gallbladder. Dalam Kumar, V., Abbas, A.K., and Aster, J.C. Robbins & Cotran: Pathologic Basis of Disease. 10th ed. Philadelphia: Elsevier. pp. 823-879.

Hall, J.E. & Hall, M.E. (2021). Guyton and Hall: Textbook of Medical Physiology. 14th ed. Philadelphia: Elsevier. 1152 p.

Hardy, T. & Day, C.P. (2018). Non-Alcoholic Fatty Liver Disease. Dalam Dooley, J.S., Lok, A.S.F., Garcia-Tsao, G., and Pinzani, M. Sherlock's Disease of the Liver and Biliary System. 13th ed. USA: Wiley Blackwell. pp. 540-560.

Harijati, N., Samino, S., Indriyani, S., & Soewondo, A. (2017). Mikroteknik Dasar. Malang: UB Press.

Haryoto, H., & Devi, E. S. (2018). Efek Pemberian Ekstrak Etanol Daun Dan Batang Ubi Jalar Ungu (Ipomoea batatas L.) Terhadap Penurunan Kadar Glukosa Darah Pada Tikus Jantan Galur Wistar Yang Diinduksi Aloksan. *Talenta Conference Series: Tropical Medicine (TM)*, *1*(3), 139–143. https://doi.org/10.32734/tm.v1i3.279

Haryoto, & Nur'aini, A. R. (2018). Antidiabetes Ethanol Mellitus Extract Of Yellow Potato Sticks And Leaves (Ipomoea Batatas Linn.) On Blood Glucose Levels Of Male Rats. *Journal of Science and Practical Pharmacy*, *IV*(2), 1–8.

Heyens, L. J. M., Busschots, D., Koek, G. H., Robaeys, G., & Francque, S. (2021). Liver Fibrosis in Non-alcoholic Fatty Liver Disease: From Liver Biopsy to Non-invasive Biomarkers in Diagnosis and Treatment. *Frontiers in Medicine*, *8*(April), 1–20. https://doi.org/10.3389/fmed.2021.615978

Hidayaturrahmah, Budi Santoso, H., Aulia Rahmi, R., & Kartikasari, D. (2020). Blood glucose level of white rats (Rattus norvegicus) after giving catfish biscuit (Pangasius hypothalmus) . *BIO Web of Conferences*, *20*, 04005. https://doi.org/10.1051/bioconf/20202004005

Hirano, T. (2018). Pathophysiology of diabetic dyslipidemia. *Journal of Atherosclerosis and Thrombosis*, *25*(9), 771–782. https://doi.org/10.5551/jat.RV17023

Hisamuddin, A. S. din Bin, Naomi, R., Bin Manan, K. A., Bahari, H., Yazid, M. D., Othman, F., Embong, H., Hadizah Jumidil, S., Hussain, M. K., & Zakaria, Z. A. (2023). Phytochemical component and toxicological evaluation of purple sweet potato leaf extract in male Sprague–Dawley rats. *Frontiers in Pharmacology*, *14*(April), 1–12. https://doi.org/10.3389/fphar.2023.1132087

Husen, S. A., Winarni, D., Salamun, Ansori, A. N. M., Susilo, R. J. K., & Hayaza, S. (2019). Hepatoprotective Effect of Gamma-mangostin for Amelioration of Impaired Liver Structure and Function in Streptozotocin-induced Diabetic Mice. *IOP Conference Series: Earth and Environmental Science*, *217*(1). https://doi.org/10.1088/1755-1315/217/1/012031

Ighodaro, O. M., Adeosun, A. M., & Akinloye, O. A. (2017). Alloxan-induced diabetes, a common model for evaluating the glycemic-control potential of therapeutic compounds and plants extracts in experimental studies. *Medicina (Lithuania)*, *53*(6), 365–374. https://doi.org/10.1016/j.medici.2018.02.001

Indriyani, R., Dewi Handayani, Nurhamidah, N., & Sundaryono, A. (2023). Uji Aktivitas Antikolesterol Ekstrak Batang Uncaria Cordata (Lour.) Merr. Terhadap Kadar Kolesterol Total Mencit Jantan (Mus musculus). *Alotrop*, *7*(1), 81–87. https://doi.org/10.33369/alo.v7i1.28163

International Diabetes Federation (IDF). (2021). IDF Diabetes Atlas. 10th ed. 135 p.

Irawan, A., Putra, T. A., & Ulwia, C. T. (2022). Uji Fitokimia Metabolit Sekunder Daun Ubi Jalar Ungu (Ipomoea batatas (L.) Lamk). *Borneo Journal of Pharmascientech*, *6*(2), 71–74. https://doi.org/10.51817/bjp.v6i2.424

Kang, H., & Lee, S. G. (2021). Protective effect of purple sweet potato leaf (Ipomoea batatas Linn Convolvulaceae) against alcohol-induced liver damage in mice. *Tropical Journal of Pharmaceutical Research*, *20*(2), 301–308. https://doi.org/10.4314/tjpr.v20i2.12

Kenta, Y. S., Tandi, J., T, B. L., & T, D. (2018). Penurunan Kadar Kolesterol Tikus Putih. *Farmakologika Jurnal Farmasi*, *XV*(1). https://jfarma.org/index.php/farmakologika/article/view/28

Kobyliak, N., & Abenavoli, L. (2015). The Role of Liver Biopsy to Assess Non-Alcoholic Fatty Liver Disease. *Reviews on Recent Clinical Trials*, *9*(3), 159–169. https://doi.org/10.2174/1574887109666141216102231

Koyama, Y., & Brenner, D. A. (2017). Liver inflammation and fibrosis. *Journal of Clinical Investigation*, *127*(1), 55–64. https://doi.org/10.1172/JCI88881

Krishan, S. (2016). Correlation between non-alcoholic fatty liver disease (NAFLD) and dyslipidemia in type 2 diabetes. *Diabetes and Metabolic Syndrome: Clinical Research and Reviews*, *10*(2), S77–S81. https://doi.org/10.1016/j.dsx.2016.01.034

Kurniasih, S., & Saputri, D. D. (2019). Phytochemical Screening And Gass Cromatography – Mass Spectrometer (Gc-Ms) Analysis Ethanol Extract Of Purple Sweet Potato (Ipomoea batatas L.). *Journal of Science Innovare*, *2*(2), 28–30. https://doi.org/10.33751/jsi.v2i2.1527

Kusumawati, N. R. D., Panunggal, D. G., Mexitalia, M., Sidhartani, M., Pratiwi, J., & Utari, A. (2021). Effect of Probiotic Supplementation on Sprague Dawley Rat Liver Histopathology Fed by High Fat High Fructose Diet. *Journal of Biomedicine and Translational Research*, *7*(2), 69–73. https://doi.org/10.14710/jbtr.v7i2.11918

Lackey, D. E., Lazaro, R. G., Li, P., Johnson, A., Hernandez-Carretero, A., Weber, N., Vorobyova, I., Tsukomoto, H., & Osborn, O. (2016). The role of dietary fat in obesity-induced insulin resistance. *American Journal of Physiology - Endocrinology and Metabolism*, *311*(6), E989–E997. https://doi.org/10.1152/ajpendo.00323.2016

Lara, A. D., Elisma, & Sani K, F. (2022). Uji Aktivitas Analgesik Infusa Daun Jeruju (Acanthus ilicifolius L.) Pada Mencit Putih Jantan (Mus musculus). *Indonesian Journal of Pharma Science*, *3*(2 SE-), 71–80. https://online-journal.unja.ac.id/IJPS/article/view/15383

Leow, W., Chan, A. W., Mendoza, P. G. L., Lo, R., Yap, K., & Kim, H. (2023). *Non-alcoholic fatty liver disease : the pathologist ' s perspective*. *29*.

Li, Z., Zhu, G., Chen, G., Luo, M., Liu, X., Chen, Z., & Qian, J. (2022). Distribution of lipid levels and prevalence of hyperlipidemia: data from the NHANES 2007–2018. *Lipids in Health and Disease*, *21*(1). https://doi.org/10.1186/s12944-022-01721-y

Lidyawati, L., Dita, S. F., & Agustiany, C. M. (2021). Uji Skrining Fitokimia Ekstrak Etanol Daun Ubi Jalar Ungu (Ipomoea Batatas L.). *Journal of Pharmaceutical and Health Research*, *2*(1), 1–3. https://doi.org/10.47065/jharma.v2i1.778

Ma, Y., Lee, G., Heo, S. Y., & Roh, Y. S. (2022). Oxidative stress is a key modulator in the development of nonalcoholic fatty liver disease. *Antioxidants*, *11*(1). https://doi.org/10.3390/antiox11010091

Mahfudh, N., Sulistyani, N., Syakbani, M., & Dewi, A. C. (2021). The antihyperlipidaemic and hepatoprotective effect of ipomoea batatas l. Leaves extract in high-fat diet rats. *International Journal of Public Health Science*, *10*(3), 558–564. https://doi.org/10.11591/ijphs.v10i3.20777

Marrelli, M., Conforti, F., Araniti, F., & Statti, G. A. (2016). Effects of saponins on lipid metabolism: A review of potential health benefits in the treatment of obesity. *Molecules*, *21*(10). https://doi.org/10.3390/molecules21101404

Memaj, P., & Jornayvaz, F. R. (2022). Non-alcoholic fatty liver disease in type 1 diabetes: Prevalence and pathophysiology. *Frontiers in Endocrinology*, *13*(December), 1–9. https://doi.org/10.3389/fendo.2022.1031633

Mescher, A.L. (2018). Junqueira's Basic Histology Text & Atlas. 15th ed. USA: McGraw-Hill Education. 562 p.

Milind, P., & Monika. (2015). Sweet Potato As a Super-Food. *International Journal of Research in Ayurveda and Pharmacy*, *6*(4), 557–562. https://doi.org/10.7897/2277-4343.064104

Mosca, S., Araújo, G., Costa, V., Correia, J., Bandeira, A., Martins, E., Mansilha, H., Tavares, M., & Coelho, M. P. (2022). Dyslipidemia Diagnosis and Treatment: Risk Stratification in Children and Adolescents. *Journal of Nutrition and Metabolism*, *2022*. https://doi.org/10.1155/2022/4782344

Muslih, M., & Rosyidah, R. (2020). Statistika: Aplikasi di Dunia Kesehatan. Cetakan pertama. Sidoarjo: UMSIDA Press. 212 hal.

Mutiarahmi, C. N., Hartady, T., & Lesmana, R. (2021). Use of Mice As Experimental Animals in Laboratories That Refer To the Principles of Animal Welfare: a Literature Review. *Indonesia Medicus Veterinus*, *10*(1), 134–145. https://doi.org/10.19087/imv.2020.10.1.134

Nabtity, S. El, Eleiwa, N. Z., Kamel, M. A., Galal, A., Fahmy, A. A., & Fahmy, E. M. (2023). Effects of Oral Administration of Atorvastatin or Fenofibrate on Hyperlipidemia Induced by Betamethasone Dipropionate Injection in Rabbits. *Journal of Advanced Veterinary Research*, *13*(6), 990–996.

Nahor, E. M., Rumagit, B. I., & Tou, H. Y. (2020). Perbandingan Rendemen Ekstrak Etanol Daun Andong (Cordyline futicosa L.) Menggunakan Metode Ekstraksi Maserasi dan Sokhletasi. *Seminar Nasional Tahun 2020*, 40–44.

Nguyen, H. C., Chen, C. C., Lin, K. H., Chao, P. Y., Lin, H. H., & Huang, M. Y. (2021). Bioactive compounds, antioxidants, and health benefits of sweet potato leaves. *Molecules*, *26*(7), 1–13. https://doi.org/10.3390/molecules26071820

Ntchapda, F., Tchatchouang, F. C., Miaffo, D., Maidadi, B., Vecchio, L., Talla, R. E., Bonabe, C., Seke Etet, P. F., & Dimo, T. (2021). Hypolipidemic and anti-atherosclerogenic effects of aqueous extract of Ipomoea batatas leaves in diet-induced hypercholesterolemic rats. *Journal of Integrative Medicine*, *19*(3), 243–250. https://doi.org/10.1016/j.joim.2021.02.002

Nugroho, S. W., Fauziyah, K. R., Sajuthi, D., & Darusman, H. S. (2018). Profil Tekanan Darah Normal Tikus Putih (Rattus norvegicus) Galur Wistar dan Sprague-Dawley. *Acta VETERINARIA Indonesiana*, *6*(2), 32–37. https://doi.org/10.29244/avi.6.2.32-37

Octavia, Z. F., & Widyastuti, N. (2014). Pengaruh Pemberian Jus Daun Ubi Jalar (Ipomoea Batatas (L.) Lam) Terhadap Kadar Trigliserida Tikus Wistar Jantan (Rattus Norvegicus) Yang Diberi Pakan Tinggi Lemak. *Journal of Nutrition College*, *3*(4), 838–847. http://ejournal-s1.undip.ac.id/index.php/jnc

Oktavelia, W., & Kusuma, S. A. F. (2022). Indonesian Journal of Biological Pharmacy Therapy for Dyslipidemia: Plant Inhibitors of HMG-CoA Reductase. *Indonesian Journal of Biological Pharmacy*, *2*(3), 159–170.

Pai, R. K. (2019). NAFLD Histology: a Critical Review and Comparison of Scoring Systems. *Current Hepatology Reports*, *18*(4), 473–481. https://doi.org/10.1007/s11901-019-00500-1

Pallant, J. (2016). SPSS Survival Manual: A Step By Step Guide to Data Analysis Using IBM SPSS. 6th ed. London: McGraw-Hill Education.

Pandiangan, D., Nainggolan, N., Tumbol, M. V. L., Pujihastuti, C. L. K. A. E., & Maliangkay, P. (2020). Potential Anti-Degenerative Hypercholesterolemia in Steeping Tea with Combination of Leaves of Pasote (Dysphania Ambrosioides L.), Gedi (Abelmoschus Manihot L.), Tapak Dara (Catharanthus Roseus (L.) G. Don). *International Journal of Pharmaceutical Research*, *12*(04). https://doi.org/10.31838/ijpr/2020.12.04.574

Pappan, N., & Rehman, A. (2023). Dyslipidemia. In StatPearls. StatPearls Publishing.

Parameswaran, M., Hasan, H. A., Sadeque, J., Jhaveri, S., Avanthika, C., Arisoyin, A. E., Dhanani, M. B., & Rath, S. M. (2021). Factors That Predict the Progression of Non-alcoholic Fatty Liver Disease (NAFLD). *Cureus*, *13*(12). https://doi.org/10.7759/cureus.20776

Paternostro, R., & Trauner, M. (2022). Current treatment of non-alcoholic fatty liver disease. *Journal of Internal Medicine*, *292*(2), 190–204. https://doi.org/10.1111/joim.13531

Paulsen, F. & Waschke, J. (2019). Sobotta Atlas Anatomi Manusia: Organ Interna. Edisi 24. Singapore: Elsevier. 344 hal.

Permana, R. J., Azaria, C., & Rosnaeni, R. (2016). The Effect of Jati Belanda Leaves (Guazuma ulmifolia Lamk.) Ethanol Extract on Microscopic Features of Atherosclerotic Animal Model's Aorta. *Journal Of Medicine & Health*, *1*(4), 305–318. https://doi.org/10.28932/jmh.v1i4.527

Pirahanchi, Y., Anoruo, M., & Sharma, S. (2023). Biochemistry, Lipoprotein Lipase. In StatPearls. StatPearls Publishing.

Pouwels, S., Sakran, N., Graham, Y., Leal, A., Pintar, T., Yang, W., Kassir, R., Singhal, R., Mahawar, K., & Ramnarain, D. (2022). Non-alcoholic fatty liver disease (NAFLD): a review of pathophysiology, clinical management and effects of weight loss. *BMC Endocrine Disorders*, *22*(1), 63. https://doi.org/10.1186/s12902-022-00980-1

Prakoso, L. O., Yusmaini, H., Thadeus, M. S., & Wiyono, S. (2017). Perbedaan efek ekstrak buah naga merah (Hylocereus polyrhizus) dan ekstrak buah naga putih (Hylocereus undatus) terhadap kadar kolesterol total tikus putih (Rattus norvegicus). *Jurnal Gizi Dan Pangan*, *12*(3), 195–202. https://doi.org/10.25182/jgp.2017.12.3.195-202

Prasetya, B. A., Fitri, Z. E., Madjid, A., & Imron, A. M. N. (2022). Ensiklopedia Digital Varietas Ubi Jalar Berdasarkan Klasifikasi Citra Daun Menggunakan KNearest Neighbor. *Elektrika*, *14*(1), 1. https://doi.org/10.26623/elektrika.v14i1.4329

Pujangga, I. W., Nainggolan, D., & Thadeus, M. S. (2019). Effects of Leadtree Seed (Leucaena leucocephala) Extract in Inhibiting the Increase of Postprandial Blood Glucose Level in Alloxan-induced Diabetic Rats. *Jurnal Gizi Dan Pangan*, *14*(3), 157–164. https://doi.org/10.25182/jgp.2019.14.3.157-164

Rahmawanti, A., Setyowati, D. N., & Mukhlis, A. (2021). Histopathological of Brain, Eye, Liver, Spleen Organs of Grouper Suspected VNN in Penyambuan Village, North Lombok. *Jurnal Biologi Tropis*, *21*(1), 140–148. https://doi.org/10.29303/jbt.v21i1.2439

Ramadhansyah, R., Thadeus, M. S., Muktamiroh, H., & Hardini, N. (2023). The Therapeutic Effects of West Indian Elm (Guazuma ulmifolia) Leaf Extract on Coronary Artery Atherosclerosis in Hypercholesterolemic Wistar Rats. *Jurnal Gizi Dan Pangan*, *18*(2), 109–116. https://doi.org/10.25182/jgp.2023.18.2.109-116

Ress, C., & Kaser, S. (2016). Mechanisms of intrahepatic triglyceride accumulation. World journal of gastroenterology, 22(4), 1664–1673. https://doi.org/10.3748/wjg.v22.i4.1664

Saing, M., Harahap, U., & Sitorus, P. (2024). Combination of purple sweet potato (Ipomoea batatas L.) leaf extract with metformin on blood glucose and total cholesterol levels of albino rats induced by high-fat diet and streptozotocin. *International Journal of Basic & Clinical Pharmacology*, *13*(2), 203–207. https://doi.org/10.18203/2319-2003.ijbcp20240001

Sanders, F. W. B., & Griffin, J. L. (2016). De novo lipogenesis in the liver in health and disease: More than just a shunting yard for glucose. *Biological Reviews*, *91*(2), 452–468. https://doi.org/10.1111/brv.12178

Saxena, R. (2018). Pattern Recognition Series, Practical Hepatic Pathology: A Diagnostic Approach. 2nd ed. Philadelphia: Elsevier. 722 p.

Schierwagen, R., Uschner, F. E., Magdaleno, F., Klein, S., & Trebicka, J. (2017). Rationale for the use of statins in liver disease. *American Journal of Physiology - Gastrointestinal and Liver Physiology*, *312*(5), G407–G412. https://doi.org/10.1152/ajpgi.00441.2016

Schofield, J. D., Liu, Y., Rao-Balakrishna, P., Malik, R. A., & Soran, H. (2016). Diabetes Dyslipidemia. *Diabetes Therapy*, *7*(2), 203–219. https://doi.org/10.1007/s13300-016-0167-x

Sembiring, B. B., Bermawie, N., Rizal, M., & Kartikawati, A. (2020). Pengaruh Teknik Ekstraksi Daun Ubi Jalar Ungu (Ipomoea batatas) dan Daun Jambu Biji (Psidium guajava) terhadap Aktivitas Antioksidan The Effect of Extraction Techniques of Purple Sweet Potato (Ipomoea batatas) and Guava Leaves (Psidium guajava) on. *Jurnal Jamu Indonesia*, *5*(1), 22–32.

Sizar, O., Khare, S., Jamil, R. T., & Talati, R. (2023). Statin Medications. In StatPearls. StatPearls Publishing.

Smith, G. I., Shankaran, M., Yoshino, M., Schweitzer, G. G., Chondronikola, M., Beals, J. W., Okunade, A. L., Patterson, B. W., Nyangau, E., Field, T., Sirlin, C. B., Talukdar, S., Hellerstein, M. K., & Klein, S. (2020). Insulin resistance drives hepatic de novo lipogenesis in nonalcoholic fatty liver disease. *Journal of Clinical Investigation*, *130*(3), 1453–1460. https://doi.org/10.1172/JCI134165

Song, C., Long, X., He, J., & Huang, Y. (2023). Recent evaluation about inflammatory mechanisms in nonalcoholic fatty liver disease. *Frontiers in Pharmacology*, *14*(March), 1–7. https://doi.org/10.3389/fphar.2023.1081334

Speisky, H., Shahidi, F., de Camargo, A. C., & Fuentes, J. (2022). Revisiting the Oxidation of Flavonoids: Loss, Conservation or Enhancement of Their Antioxidant Properties. *Antioxidants*, *11*(1), 1–28. https://doi.org/10.3390/antiox11010133

Sugiyono. (2019). Metode Penelitian Kuantitatif, Kualitatif, dan R&D. Bandung: Alfabeta. 444 hal.

Sulaiman, A. S., Hasan, I., Lesmana, C. R. A. L., Kurniawan, J., & Jasirwan, C. O. M. (2023). Perlemakan Hati Non-Alkoholik dan Risiko Fibrosis Hati pada Pasien Hepatitis B Kronik. *Jurnal Penyakit Dalam Indonesia*, *10*(3). https://doi.org/10.7454/jpdi.v10i3.1456

Supriyadi, M., Supriyanto, & Fakhry, M. (2022). Efect Of Extraction Method And Size Reduction On The Antioxidant Content Of Neem Leaf Extract (Azadirachta indica Juss) Kandungan Antioksidan Ekstrak Daun Mimba (Azadirachta indica Juss). *Jurnal Rekayasa Dan Manajemen Agroindustri*, *10*(4), 522–530.

Susanto, A., Hardani, & Rahmawati, S. (2019). Uji Skrining Fitokimia Ekstrak Etanol Daun Ubi Jalar Ungu (Ipomoea Batatas L). *ARTERI: Jurnal Ilmu Kesehatan*, *1*(1), 1–7. https://doi.org/https://doi.org/10.37148/arteri.v1i1.1

Syamsul et al. (2020). Determination Of Mawar Jambu Leaf Extract (Syzygium jambos L . Alston) Based On Variation Of Ethanol Concentration With The Maseration Method. *Jurnal Riset Kefarmasian Indonesia*, *2*(3), 147–157. https://jurnalfarmasi.or.id/index.php/jrki/article/view/98/75

Takahashi, Y., & Fukusato, T. (2014). Histopathology of nonalcoholic fatty liver disease/nonalcoholic steatohepatitis. *World Journal of Gastroenterology*, *20*(42), 15539–15548. https://doi.org/10.3748/wjg.v20.i42.15539

Tan, P., Jin, L., Qin, X., & He, B. (2022). Natural flavonoids: Potential therapeutic strategies for non-alcoholic fatty liver disease. *Frontiers in Pharmacology*, *13*(September), 1–10. https://doi.org/10.3389/fphar.2022.1005312

Teja, P. T. H. S., Arjana, A. A. G., Setiasih, N. L. E., & Merdana, I. M. (2021). the Impact Oral Administration of Minyak Rajas on Liver Histopatology and Aminotranspherase Activities in Male Kampong Chicken. *Indonesia Medicus Veterinus*, *10*(2), 233–244. https://doi.org/10.19087/imv.2021.10.2.233

Tien, T., Ardiansyah, N. R., Sabandar, C. W., Kardin, L., & Aritrina, P. (2023). Inhibition of HMG-CoA Reductase Activity by Kersen Leaves (Muntingia calabura L.) to Prevent Hypercholesterolemia. *Jurnal Farmasi Galenika (Galenika Journal of Pharmacy) (e-Journal)*, *9*(1), 102–113. https://doi.org/10.22487/j24428744.2023.v9.i1.16086

Tortora, G.J. & Derrickson, B. (2017). Principles of Anatomy & Physiology. 15th ed. USA: Wiley. 1146 p.

Untari, M. K., & Pramukantoro, G. E. (2020). Aktivitas Antihiperkolesterolemia Ekstrak Etanol Daun Stevia Rebaudiana Bertoni Pada Tikus Putih Jantan. *Journal Syifa Sciences and Clinical Research*, *2*(1), 11–20. https://doi.org/10.37311/jsscr.v2i1.2700

Ward, N. C., Watts, G. F., & Eckel, R. H. (2019). Statin Toxicity: Mechanistic Insights and Clinical Implications. *Circulation Research*, *124*(2), 328–350. https://doi.org/10.1161/CIRCRESAHA.118.312782

Wirawan, W. (2018). Uji Efektivitas Fraksi Daun Salam Terhadap Kadar Kolesterol Total Tikus Putih Jantan Hiperkolesterolemia-Diabetes. *Jurnal Mandala Pharmacon Indonesia*, *4*(1).

Yulianti, R., & Astari, R. V. (2020). Efektivitas Ekstrak Daun Sirsak (Annona Muricata) Dan Latihan Fisik Serta Kombinasi Terhadap Kadar Malondialdehid Hepar Pada Model Tikus Hiperkolesterolemia-Diabetes. *Jurnal Kesehatan*, *13*(1), 11–18. https://doi.org/10.32763/juke.v13i1.173

Yunita, L., Lalel, H., & Manongga, S. (2020). Pengaruh diet beras hitam, kacang merah dan daun kelor (Betamelor) terhadap perubahan berat badan tikus Sprague-Dawley. *Kupang Journal of Food and Nutrition Research*, *1*(1), 30-35.

Yurista, S. R., Ferdian, R. A., & Sargowo, D. (2016). Prinsip 3Rs dan pedoman arrive pada studi hewan coba. *Jurnal Kardiologi Indonesia*, *37*(3), 156–163.

Zhang, P., Wang, W., Mao, M., Gao, R., Shi, W., Li, D., Calderone, R., Sui, B., Tian, X., & Meng, X. (2021). Similarities and Differences: A Comparative Review of the Molecular Mechanisms and Effectors of NAFLD and AFLD. *Frontiers in Physiology*, *12*(July), 1–14. https://doi.org/10.3389/fphys.2021.710285

Zhang, Q. Q., & Lu, L. G. (2015). Nonalcoholic fatty liver disease: Dyslipidemia, risk for cardiovascular complications, and treatment strategy. *Journal of Clinical and Translational Hepatology*, *3*(1), 78–84. https://doi.org/10.14218/JCTH.2014.00037

Zou, B., Ge, Z. Z., Zhang, Y., Du, J., Xu, Z., & Li, C. M. (2014). Persimmon Tannin accounts for hypolipidemic effects of persimmon through activating of AMPK and suppressing NF-κB activation and inflammatory responses in High-Fat Diet Rats. *Food and Function*, *5*(7), 1536–1546. https://doi.org/10.1039/c3fo60635j