

## DAFTAR PUSTAKA

- Aziz, M. *and* Yadav, K. S. 2016. Pathogenesis of Atherosclerosis A Review. *Medical and Clinical Reviews*. 2 (3): 22. DOI: 10.21767/2471-299X.100031.
- Bansal, A.B. *and* Khalili, Y. A. 2022. Orlistat. In: *StatPearls* [Internet]. Treasure Island (FL): StatPearls Publishing.
- Barakoti, M. P. 2018. Carotid Intima-media Thickness and Coronary Artery Disease. *Nepalese Heart Journal*. 15 (1): 9-15. <http://dx.doi.org/10.3126/njh.v15i1.19705>
- Barrett, K. E., Barman, S. M., Boitano, S., dan Brooks, H. L. 2012. *Ganong Buku Ajar Fisiologi Kedokteran Edisi 24*. Mc Graw Hill Lange.
- Bauersachs, R., Zeymer, U., Brière, J.-B., Marre, C., Bowrin, K., Huelsebeck, M. 2019. Burden of Coronary Artery Disease *and* Peripheral Artery Disease: A Literature Review. <https://doi.org/10.1155/2019/8295054>
- Cardiff, R.D., Miller, C.H., Munn, R.J. 2014. Manual hematoxylin *and* eosin staining of mouse tissue sections. *Cold Spring Harbor Protocols* 2014, 655–658. <https://doi.org/10.1101/pdb.prot073411>
- Charan, J., Kantharia. 2013. How to calculate sample size in animal studies? *Journal of Pharmacology and Pharmacotherapeutics*. <https://doi.org/10.4103/0976-500X.119726>.
- Ciumarnean, L., Milaciu, M. V., Runcan, O., Vesa, S. C., Rachisan, A. L., Negrean, V., Perne, M. G., Donca, V. I., Alexescu, T. G., Para, I., *and* Dogaru, G. 2020. The Effects of Flavonoids in Cardiovascular Diseases. *Molecules*. 25 (4320): doi:10.3390/molecules25184320.
- Dahlan, S. 2014. *Statistik Untuk Kedokteran Dan Kesehatan Edisi 6*. Jakarta: Salemba Medika.
- Dewatisari, W.F., Rumiyan, L., dan Rakhmawati, I. 2018. Rendemen dan Skrining Fitokimia pada Ekstrak Daun *Sansevieria sp.*, *Jurnal Penelitian Pertanian Terapan*, 17(3), p. 197. doi:10.25181/jppt.v17i3.336.
- Douglas, G., Channon, K.M. 2014. The pathogenesis of atherosclerosis. *Medicine (United Kingdom)*. <https://doi.org/10.1016/j.mpmed.2014.06.011>
- Drake, R. L., Vogl, A. W., dan Mitchell, A. W. M. 2014. *Gray Dasar-Dasar Anatomi*. Singapore: Elsevier.
- Fakultas Kedokteran Universitas Padjajaran. 2016. *Panduan Laboratorium Fakultas Kedokteran Universitas Padjajaran*.

Reza Ramadhansyah, 2023

**POTENSI EKSTRAK DAUN JATI BELANDA (*Guazuma ulmifolia*) TERHADAP PERBAIKAN ATEROSKLEROSIS ARTERI KORONER TIKUS GALUR WISTAR YANG DIINDUKSI PAKAN TINGGI LEMAK**

UPN "Veteran" Jakarta, Fakultas Kedokteran, Program Studi Kedokteran Program Sarjana  
[www.upnvj.ac.id](http://www.upnvj.ac.id) – [www.library.upnvj.ac.id](http://www.library.upnvj.ac.id) – [www.repository.upnvj.ac.id](http://www.repository.upnvj.ac.id)

- Getz, G.S. 2018. Lipid transfer proteins: Introduction to the thematic review series. *Journal of Lipid Research*. <https://doi.org/10.1194/jlr.R084020>
- Hamm, C. W., Bassand, J. P., Agewall, S., Bax, J., Boersma, E., Bueno, H., and Caso, P. 2011. ESC Guidelines for the management of acute coronary syndromes in patients presenting without persistent ST-segment elevation. *European Heart Journal* (2011) 32, 2999–3054 doi:10.1093/eurheartj/ehr236
- Harijati, N., Samino, S., Indriyani, S., dan Soewondo, A. 2017. *Mikroteknik Dasar*. Malang: UB Press.
- Harini, M. dan Astirin, O. P. 2009. Kadar Kolesterol Darah Tikus Putih (*Rattus norvegicus*) Hiperkolestolemik Setelah Perlakuan VCO. *Nusantara Bioscience* 1: 53-58.
- Hidajat, M., Gusti Made Aman, I., Pangkahila, A., Sukoco, H., Milas Siswanto, F., Kampus Unud Jimbaran, R., Kuta Sel, K., dkk. 2019. Ekstrak Etanol Daun Jati Belanda (*Guazuma ulmifolia* Lamk) Memperbaiki Profil Lipid Tikus (*Rattus norvegicus*) Wistar Jantan Dislipidemia (Ethanol Extract of Jati (*Guazuma ulmifolia* Lamk) leaves Improve Lipid Profile of Rats (*Rattus norvegicus*) Wistar Male Dyslipidemia, *Jurnal Sains dan Teknologi Peternakan*.
- Jesch, E.D., Carr, T.P. 2017. Food Ingredients That Inhibit Cholesterol Absorption. *Prev. Nutr. Food Sci* 22, 67–80. <https://doi.org/10.3746/pnf.2017.22.2.67>
- Jo, Y., Okazaki, H., Moon, Y.A., Zhao, T.J. 2016. Regulation of Lipid Metabolism and Beyond. *International Journal of Endocrinology*. <https://doi.org/10.1155/2016/5415767>
- Johansson, A., Drake, I., Engstrom, G., and Acosta, S. 2021. Modifiable and Non-Modifiable Risk Factors for Atherothrombotic Ischemic Stroke among Subjects in the Malmö Diet and Cancer Study. *Nutrients*. 13 (1952). <https://doi.org/10.3390/nu13061952>
- Juzar, D.A. et al. 2018. PERKI 2018 - Sindrom Koroner Akut. 4th edn, Perhimpunan Dokter Spesialis Kardiovaskular Indonesia. 4th edn. Jakarta: Perhimpunan Dokter Spesialis Kardiovaskular Indonesia.
- Kabiri, N., Asgary, S. and Setorki, M. 2011. ‘Lipid lowering by hydroalcoholic extracts of *Amaranthus Caudatus* L. induces regression of rabbits atherosclerotic lesions’, *Lipids in Health and Disease*, 10(89), pp. 1–8. doi:10.1186/1476-511X-10-89.
- Kandaswamy, E., Zuo, L. 2018. *Molecular Sciences Recent Advances in Treatment of Coronary Artery Disease: Role of Science and Technology*. <https://doi.org/10.3390/ijms19020424>

- Kastellanos, S., Aznaouridis, K., Vlachopoulos, C., Tsiamis, E., Oikonomou, E., Tousoulis, D. 2018. Overview of coronary artery variants, aberrations *and* anomalies. *World Journal of Cardiology* 10, 127–140. <https://doi.org/10.4330/wjc.v10.i10.127>
- Kemenkes RI. 2013. Riset Kesehatan Dasar; RISKESDAS. Jakarta: Balitbang Kemenkes RI.
- Khan, M.A., Jawad Hashim, M., Mustafa, H., Yousif Baniyas, M., Khalid Buti Mohamad Al Suwaidi, S., AlKatheeri, R., Mohamed Khalfan Alblooshi, F., Eisa Ali Hassan Almatrooshi, M., Eisa Hazeem Alzaabi, M., Saif Al Darmaki, R., Nasser Ali Hussain Lootah, S. 2020. Global Epidemiology of Ischemic Heart Disease: Results from the Global Burden of Disease Study. <https://doi.org/10.7759/cureus.9349>
- Klabunde, R. E. 2012. *Cardiovascular Physiology Concepts 2<sup>nd</sup> Edition*. Philadelphia: Lippincott Williams & Wilkins.
- Knapper, J.T., Khosa, F., Blaha, M.J., Lebeis, T.A., Kay, J., Sandesara, P.B., Kelkar, A.A., Berman, D.S., Quyyumi, A.A., Budoff, M.J., Min, J.K., Valenti, V., Giambone, A.E., Callister, T.Q., Shaw, L.J. 2016. Coronary calcium scoring for long-term mortality prediction in patients with *and* without a family history of coronary disease. *Heart* 102, 204–208. <https://doi.org/10.1136/heartjnl-2015-308429>
- Knuuti, J., Wijns, W., Saraste, A., Capodanno, D., Barbato, E., Brentano, C. F., *and* Prescott, E. 2019. 2019 ESC Guidelines for the diagnosis and management of chronic coronary syndromes. *European Heart Journal* (2020) 41, 407–477 [doi:10.1093/eurheartj/ehz425](https://doi.org/10.1093/eurheartj/ehz425)
- Kopaei, M. R., Setorki, M., Doudi, M., Baradaran, A., *and* Nasri, H. 2014. Atherosclerosis: Process, Indicators, Risk Factors and New Hopes. *International Journal of Preventive Medicine*. 5 (8): 927-946.
- Kumar, N.S., Gurunani, S.G. 2019. *Guazuma ulmifolia* LAM: A review for future view Neha S Kumar *and* Shailju G Gurunani. ~ 205 ~ *Journal of Medicinal Plants Studies* 7, 205–210.
- Kumar, V., Abbas, A. K., *and* Aster, J. C. 2013. *Robbins Basic Pathology 9<sup>th</sup> Edition*. Philadelphia: Elsevier.
- Lechner, K., McKenzie, A.L., Kränkel, N., von Schacky, C., Worm, N., Nixdorff, U., Lechner, B., Scherr, J., Weingärtner, O., Krauss, R.M. 2020. High-Risk Atherosclerosis *and* Metabolic Phenotype: The Roles of Ectopic Adiposity, Atherogenic Dyslipidemia, *and* Inflammation. *Metabolic Syndrome and Related Disorders*. <https://doi.org/10.1089/met.2019.0115>

- Libby, P. 2021. The changing landscape of atherosclerosis. *Nature*.  
<https://doi.org/10.1038/s41586-021-03392-8>
- Malakar, A.K., Choudhury, D., Halder, B., Paul, P., Uddin, A., Chakraborty, S. 2019. A review on coronary artery disease, its risk factors, *and* therapeutics. *Journal of Cellular Physiology*. <https://doi.org/10.1002/jcp.28350>
- Mota, R., Homeister, J.W., Willis, M.S., Bahnson, E.M. 2017. Atherosclerosis: Pathogenesis, Genetics *and* Experimental Models, in: ELS. Wiley, pp. 1–10. <https://doi.org/10.1002/9780470015902.a0005998.pub3>
- Mozaffarian, D., Benjamin, E.J., Go, A.S., Arnett, D.K., Blaha, M.J., Cushman, M., Das, S.R., Ferranti, et al. 2016. Heart disease *and* stroke statistics-2016 update a report from the American Heart Association. *Circulation*. <https://doi.org/10.1161/CIR.0000000000000350>
- Naim, F., Marianti, A., Susanti, R., Biologi, J., Matematika, F., Ilmu, D., Alam, P. 2017. Aktivitas Ekstrak Daun Jati Belanda terhadap Kadar Kolesterol HDL dan LDL pada Tikus Hiperkolesterolemia, *Life Science*.
- Nahor, E.M., Rumagit, B.I. and Tou, H.Y. 2020. ‘Comparison of the Yield of Andong Leaf Ethanol Extract (*Cordyline fruticosa* L.) Using Maceration and Sokhletation Extraction Methods’, *Journal Poltekkes Manado*, 1(1), pp. 40–44.
- Netter, F. H. 2019. *Atlas of Human Anatomy* 7<sup>th</sup> Edition. Philadelphia: Elsevier Inc. hlm. 222-223.
- Nuri, Prajogo, B., Nugraha, A.S., Sukardiman. 2020. Anti-adipogenic compound from *Guazuma ulmifolia* leaf. *Research Journal of Pharmacy and Technology* 13, 411–415. <https://doi.org/10.5958/0974-360X.2020.00080.3>
- Ogobuiro, I., Wehrle, C. J., *and* Tuma, F. *Anatomy, Thorax, Heart Coronary Arteries*. [Updated 2021 Jul 28]. In: StatPearls [Internet]. Treasure Island (FL): StatPearls Publishing; 2022 Jan-.
- Juzar, D. A., Danny, S. S., Irmalita, Tobing, D. P., Firdaus, I., Widyantoro, B., Rossimarina, V., Rejeki, V. G., Setianto, B. Y., Haryono, N., dkk. 2018. Pedoman Tata Laksana Sindrom Koroner Akut Edisi Keempat. Perhimpunan Dokter Spesialis Kardiologi Indonesia. *Jurnal Kardiologi Indonesia*. 1-76.
- Permana, R.J., Azaria, C. 2016. The Effect of Jati Belanda Leaves (*Guazuma ulmifolia* Lamk.) Ethanol Extract on Microscopic Features of Atherosclerotic Animal Model’s Aorta, *Journal of Medicine and Health The Effect of Jati*.
- Prahastuti, S., Hidayat, M., Hasiana, S.T., Widowati, W., Widodo, W.S., Handayani, Rr.A.S., Rizal, R., Kusuma, H.S.W. 2020. The ethanol extract of

- the bastard cedar (*Guazuma ulmifolia* L.) as antioxidants. *Pharmaciana* 10, 77. <https://doi.org/10.12928/pharmaciana.v10i1.13636>
- Prasad, S. B., Sharma, M., and Chopra, S. 2015. *Guazuma tomentosa*: A Valuable Medicinal Plant, Article in *International Journal of Pharmacognosy and Phytochemical Research*.
- Qi, X. 2018. Review of the Clinical Effect of Orlistat, in: *IOP Conference Series: Materials Science and Engineering*. Institute of Physics Publishing. <https://doi.org/10.1088/1757-899X/301/1/012063>
- Rafi, M., Meitary, N., Septaningsih, D.A., Bintang, M. 2020. Phytochemical Profile and Antioxidant Activity of *Guazuma ulmifolia* Leaves Extracts Using Different Solvent Extraction, RESEARCH ARTICLE Indonesian Journal of Pharmacy Indonesian J Pharm.
- Rodwell, V. W., Bender, D. A., Botham, K. M., Kennelly, P. J., and Weil, P. A., 2015. *Harper's Illustrated Biochemistry* 30<sup>th</sup> Edition. Mc Graw Hill Lange.
- Roth, G.A., Mensah, G.A., Johnson, C.O., Addolorato, G., Ammirati, E., Baddour, L.M., Barengo, N.C., Beaton, *et al.* 2020. Global Burden of Cardiovascular Diseases and Risk Factors, 1990-2019: Update From the GBD 2019 Study. *J Am Coll Cardiol*. <https://doi.org/10.1016/j.jacc.2020.11.010>
- Rozqie, R., Diah, M., Rukmi, W. 2012. The effect of Jati Belanda (*Guazuma ulmifolia* Lamk) leaves extract on histopathology of rat's kidney ABSTRACT.
- Safri, Z. 2018. Management of coronary artery disease, in: *IOP Conference Series: Earth and Environmental Science*. Institute of Physics Publishing. <https://doi.org/10.1088/1755-1315/125/1/012125>
- Saleh, M., Ambrose, J.A., Mickley Hospital, H., Maehara, A. 2018. Open Peer Review Understanding myocardial infarction [version 1; referees: 2 approved]. <https://doi.org/10.12688/f1000research.15096.1>
- Sengupta, P., 2013. The Laboratory Rat: Relating Its Age with Human's, *International Journal of Preventive Medicine*.
- Severino, P., D'amato, A., Pucci, M., Infusino, F., Adamo, F., Birtolo, L.I., Netti, L., Montefusco, G., Chimenti, C., Lavalle, C., Maestrini, V., Mancone, M., Chilian, W.M., Fedele, F. 2020. *Molecular Sciences Ischemic Heart Disease Pathophysiology Paradigms Overview: From Plaque Activation to Microvascular Dysfunction*. <https://doi.org/10.3390/ijms21218118>
- Sherwood, L. 2016. *Human Physiology from Cells to Systems* 9<sup>th</sup> Edition. Boston: Cengage Learning.

- Thadeus, M.S. et al. 2019. 'The Effect of Red Dragon Fruit Extract (*Hylocereus Polyrhizus*) on Membrane Lipid Peroxidation and Liver Tissue Damage Triggered by Hyperlipidemia in White Rats (*Rattus Norvegicus*)', *Advances in Health Sciences Research*, 13(Ichs 2018), pp. 187–195. doi:10.2991/ichs-18.2019.23.
- University of Michigan Medical School. 2010. *Pathology 581: Tissue, Cellular, and Molecular Basis of Disease*. The Regents of The University Of Michigan.
- Veseli, B. E., Perrotta, P., de Meyer, G.R.A., Roth, L., van der Donckt, C., Martinet, W., de Meyer, G.R.Y. 2017. Animal models of atherosclerosis. *European Journal of Pharmacology* 816, 3–13. <https://doi.org/10.1016/j.ejphar.2017.05.010>
- Widiyatno, Y. and Muniroh, L. 2018. 'Dampak Pemberian Minyak Goreng Mengandung Residu Plastik Isopropyl terhadap Blood Urea Nitrogen Creatine Tikus Putih Galur Wistar', *Agroveteriner*, 7(1), pp. 15–24.
- Yulianti, R., Valentina Astari, R. 2020. 1 Efektivitas Ekstrak Daun SIRSAK (*Annona muricata*) Dan Latihan Fisik Serta Kombinasi Terhadap Kadar Malondialdehid Hepar Pada Model Tikus Hiperkolesterolemia-Diabetes Efektivitas Ekstrak Daun Sirsak (*Annona muricata*) Dan Latihan Fisik Serta Kombinasi Terhadap Kadar Malondialdehid Hepar Pada Model Tikus Hiperkolesterolemia-Diabetes. Pages.
- Zulkarnain, M.R. 2018. *Jurnal Sains Boga Exclusion of Dietary Cholesterol From The Specific Food Restrictions: A Review in Indonesia, Jurnal Sains Boga*.