

DAFTAR PUSTAKA

- Adeyemi, D., Komolafe O., Adewolo S., dan Obuotor E. 2008. Anti Hyperlipidemic Activities of *Annona Muricata* (Linn). *The Internet Journal of Alternative Medicine*. 7(1): 1-7.
- Adewole, S. O and Ojowole J. A. O. 2009. Protective Effects of *Annona muricata* Linn. (Annonaceae) Leaf Aqueous Extract on Serum Lipid Profiles and Oxidative Stress in Hepatocytes of Streptozotocin-Trated Diabetic Rats. *Afr. J. Trad. Med.* 6(1): 30-41.
- Ahalya, B., Shankar K. R., and Kiranmayi G.V. 2014. Exploration of Anti-hyperglycemic and Hypolipidemic Activities of Ethanol Extract of *Annona muricata* Bark in Alloxan Induced Diabetic Rats. *Int. J. Pharm. Sci. Rev. Res.*, 25(2): 21-27.
- Anwar, F., Briawan D., Rahayu W.P., Sumiati., Purwaningsih S., Santoso J., dan Astawa M. 2018. *Pangan dan Gizi untuk Kesehatan dan Kesejahteraan Masyarakat*. Bogor: IPB Press. hal: 118.
- Baek, JS., Fang L., Li A.C., Miller Y.I. 2012. Ezetimibe and Simvastatin Reduce Cholesterol Levels in Zebrafish Larvae Fed a High-Cholesterol Diet. *Hindawi Publishing Corporation*. doi: 10.1155/2012/564705.
- Cahyani, R. I. dan Syauqy A. 2014. Perbedaan kadar Trigliserida Sebelum dan Sesudah Pemberian Jus kacang Hijau (*Phaseolus Radiatus* Linn) Pada Pria Hipertrigliseridemia. *Journal of Nutrition College*. 3(4): 887-893.
- Carten, J. D. and Farber S. A. 2009. A New Model System Swims Into Focus: Using the Zebrafish to Visualize Intestinal Lipid Metabolism In Vivo. *Journal of Clinical Lipidology*. 4(4): 501-515.
- Cartner, S.C., Eisen J.S., Farmer S.C., Guillemin K.J., Kent M.L., and Sanders G.E. 2019. *The Zebrafish in Biomedical Research: Biology, Husbandry, Disease, and Research Applications*. London: Academic Press. pp: 326-328.
- Chen, K., Wang C., Fan Y., Xie Y., Yin Z., Xu Z., Zhang H., Cao Z., Wang Y., and Song D. 2015. Optimizing Methods for Study of Intravascular Lipid Metabolism in Zebrafish. *Molecular Medicine Reports*. 11: 1871-1876.
- Chen, K., Wang C., Fan Y., Xie Y., Yin Z., Xu Z., Zhang H., Cao J., Wang Y., and Gao L. 2017. Model Design for Zcreening Effective Antyperlipidemic Drugs Using Zebrafish System. *Pak. J. Pharm. Sci.* 30 (5): 1697-1707
- Chu, Y., Zhang L., Zhu X., Zhang Y., Xia B., Hou L., Song R., Li T., Li C., Dong Q., and Chen X., 2016. Investigation of Hemostatic Effect of Spleen

Invigorating, Qi-replenishing and Blood Arresting Formula on Simvastatin-induce zebrafish Hemorrhage Model. *Journal of Traditional Chinese Medical Sciences*. 3: 226-233.

Coria-Tellez, AV., Montalvo-Gonzalez E., Yahia E.M., and Obledo-Vazquez E.N. 2016. *Annona muricata*: A comprehensive Review on its Traditional Medicinal Uses, Phytochemicals, Pharmacological Activities, Mechanisms of Action and Toxicity. *Arabian Journal of Chemistry*, <http://dx.doi.org/10.1016/j.arabjc.2016.01.004>

Davey, P. 2002. *At a Glance Medicine*. Terjemahan oleh Annisa Ramhalia dan Cut Novianty R. Jakarta: Penerbit Erlangga. hal: 141.

Dede, M.A., Pandarangga P., dan Laut M.M. 2019. Pengaruh Pemberian Ekstrak Etanol Daun Sirsak (*Annona Muricata* L.) Terhadap Gambaran Histopatologi dan Pembuluh Darah Aorta Kelinci (*Oryctogalus cuniculus*) hiperkolesterolemia. *Jurnal Veteriter Nusantara*. 2(2): 30-43

Errayes, A. O., Mohammed W. A., and Darwish M. O. 2020. Review of Phytochemical and Medical Application of *Annona muricata* Fruits. *Journal of Chemical Reviews*. 2(1): 70-79.

Fang, L., Liu C., and Miller Y. I. 2013. Zebrafish Model of Dyslipidemia: Relevance to Atherosclerosis and Angiogenesis. *Translational Research*. 163(2): 99-108. <https://doi.org/10.1016/j.trsl.2013.09.004>

Fatmawati, S. 2019. *Bioaktivitas dan Konstituen Kimia Tanaman Obat Indonesia*. Yogyakarta: 2, 4.

Golan, D. E. 2008. *Principles of Pharmacology: The Pathophysiology Basic of Drug Teraphy*. Baltimore: Lippicontt Williams & Wilkins. pp: 435-436.

Harikumar, K., Althaf A., Kumar B. K., Ramunaik M., Suvarna CH. 2013. A Review on Hyperlipidemic. *International Journal of Novel Trends in Pharmaceutical Sciences*. 3 (4): 59-71.

Helms, R. A. and Quan D. J. 2006. *Textbook of Therapeutics: Drug and Disease Management 8th Edition*. Pennsylvania: Lippicontt Williams & Wilkins. pp. 1082-1083.

Henderson, R. J., & Tocher, D. R. 1987. The Lipid Composition and Biochemistry of Fresh Water Fish. *Progress in Lipid Research*. 26: 281–347.

Hidayat, S. dan Napitupulu R. 2015. *Kitab Tanaman Obat*. Jakarta Timur: Agriflo (Penerbit Swadaya Group), hal: 367.

Iskandar, R.I., Handayani N., dan Sri T. 2017. Pengaruh Infusa Daun Sirsak (*Annona muricata* L.) Terhadap Penurunan Kadar kolesterol Mencit Jantan

(*Mus musculus*) Galur Swiss Webster. *Jurnal Buletin Media Informasi*. 13(1): 1-8.

ITIS (Integrated Taxonomic Information System). 2011. *Annona Muricata* L. https://www.itis.gov/servlet/SingleRpt/SingleRpt?search_topic=TSN&search_value=18098#null [22 September 2020].

ITIS (Integrated Taxonomic Information System). 1996. *Danio rerio* Hamilton, 1822. https://www.itis.gov/servlet/SingleRpt/SingleRpt?search_topic=TSN&search_value=163699#null [12 Februari 2020].

Jain, K.S., Kathiravan M.K., Somani R.S., and Shishoo C.J. 2007. The Biology and Chemistry of Hyperlipidemia. *Bioorganic & Medical Chemistry*. 15: 4673-4699.

Jegou, B. and Skinner M. K. 2018. *Ancyclopedia of Reproduction*. Oxford: Oliver Wallter. p: 561.

Kaminsky, Y. G. and Kosenko E.A. 2010. Molecular Mechanism of Toxicity of Simvastatin, Widely Used Cholesterol-Lowering Drug. A Review. *Central European Journal of Medicine*. 5(3): 269-289.

Kari, G., Rodeck U., and Dicker A.P. 2007. Zebrafish: An Emerging Model System for Human Disease and Drug Discovery. *Clinical Pharmacology & Therapeutics*. 82(1): 70-81.

Karu, N., Reifen R., and Kerem Z. 2007. Weight Gain Reduction in Mice Fed *Panax ginseng* Saponin, a Pancreatic Lipase Inhibitor. *Journal of Agricultural and Food Chemistry*. 55: 2824-2828.

Kedari, T. S., and Khan A. A. 2014. Gubayano (*Annona muricata*): A review of Its Traditional Uses Phytochemistry and Pharmacology. *American Journal of research Communication*. 2(10): 247-268.

Kimmel, C.B., Ballard W.W., Kimmel S.R., Ullman B., and Schilling T.F. 1995. Stages of Embryonic Development of Zebrafish. *Developmental Dynamics*. 203: 253-310.

Kumar, A., Sunil C. A. S. Shaliya, Surya A.S., Dwan V.T., dan Betty C. 2013. A Review of Hyperlipidemia and Medical Plants. *Int.J.A.PS.BMS*. 2(4): 219-237.

Lawrence, C. 2007. *The Husbandry of Zebrafish (Danio rerio): A Review*. *Aquaculture*. 269: 1-20.

Li, S., Jiang Y., Sun Q., Coffin S., Chen L., Qiao K., Gui W., Zhu G. Tebuconazole Induced Oxidative Stress Related Hepatotoxicity in Adult and

Larval Zebrafish (*Danio rerio*), *Chemosphere* (2019), doi: <https://doi.org/10.1016/j.chemosphere.2019.125129>.

Listianasari, Y., Dirgahayu P., Wasita B., dan Nuhriawangsa A.M.P. 2017. Efektivitas Pemberian Jus Labu Siam (*Sechium edule*) terhadap Profil Lipid Tikus (*Rattus norvegicus*) Model Hiperlipidemia. *Penelitian Gizi dan Makanan*. 40(1): 35-43.

Maddula, K. and Juluru A. Zebrafish in Biomedical research and Drug Discovery: Research and Review. *Journal of Pharmacology and Toxicological Studies*. 4(3): 134-142.

Mardhatilah, D. 2019. *Biokimia*. Yogyakarta: Instiper Press. hal: 14.

Marks, D.B., Marks A. D., and Smith C. M. 2000. *Biokimia Kedokteran Dasar: Sebuah Pendekatan Klinis (Brahm U, Penerjemah)*. Jakarta: Penerbit Buku Kedokteran EGC. hal: 479.

Moghadamtousi, S. Z., Fadaeinasab M., Nikzad S., Mohan G., Ali M. H., and Kadir H. A. 2015. *Annona muricata (Annonaceae): A Review of Its Traditional Uses, Isolated Acetogenins and Biological Activities*. *International Journal of Molecular Science*. 16: 15625-15658.

Nastiti, R.A., Hermana W., dan Mutia R. 2014. Penggunaan Dedak Gandum Kasar (*Wheat Bran*) sebagai Pengganti Jagung dengan Kombinasi Tepung Daun Mengkudu (*Morinda citrifolia*) untuk Menghasilkan Telur Puyuh Sehat Rendah Kolesterol dan Kaya Vitamin A. *Buletin Makanan Ternak*. 101(1): 1-12.

Neal, M. J. 2005. *At a Glance Farmakologi Medis Edisi Kelima*. Terjemahan oleh Juwalita Surapsari. Jakarta: Penerbit Erlangga. hal: 47.

Nirosha, K., Divya M., Vamsi S., and Sadiq M. 2014. A Review on Hyperlipidemia. *International Journal of Novel Trends in Pharmaceutical Science*. 4 (5): 81-92.

Pamungkas, R.A., Santosa R.S.S., dan Warsito S. 2013. Pengaruh Level Etanol dan Lama Maserasi Kuning Telur Puyuh terhadap Kolesterol Total, HDL, dan LDL. *Jurnal Ilmiah Peternakan*. 1(3): 1136-1142.

Pusat Studi Biofarma LPPM IPB dan Ulung G. 2014. *Sehat Alami dengan Herbal: 250 Tanaman Berkhasiat Obat*. Jakarta: Gramedia Pustaka Utama. hal: 375.

Quinlivan, V.H., and Farber S. A. 2017. Lipid Uptake, Metabolism, and Transport in the Larval Zebrafish. *Front. Endocrinol*. 8:319. doi: 10.3389/fendo.2017.00319

Ramlah, Soekendarsi E., Hasyim Z., dan Hasan M.S. 2016. Perbandingan

Kandungan Gizi Ikan Nila *Oreochromis niloticus* Asal Danau Mawang Kabupaten Gowa dan Danau Universitas Hasanuddin Kota Makassar. *Jurnal Biologi Makassar*. 1(1): 39-46.

Reed, B. and Jennings M. 2010. *Guidance on the Housing and Care of Zebrafish Danio rerio*. Horsham: Research Animals Departement Science Group, RSPCA. pp: 21-27.

Satyanarayana, U. and Chakrapani U. 2013. *Biochemistry: with Clinical Concept and Case Studies*. Haryana: Elsevier. pp: 32, 317.

Schilling, T.F. 2002. 'The Morphology of Larval and Adult Zebrafish' in Nüsslein-Volhard & Dahm (2002) *Zebrafish - A Practical Approach*. Oxford: Oxford University Press. pp: 59-61.

Schlegel, A. and Stainier D.Y.R. 2006. Microsomal Triglyceride Transfer Protein is Required Yolk Lipid Utilization and Absorption of Dietary Lipids in Zebrafish Larvae. *Biochemistry*. 45(51): 15179-15187.

Simonetti, R. B., Marques L. S., Jr Streit D. P., and Oberst E. R. 2016. Zebrafish (*Danio rerio*): Ethics in Animal Experimentation. *IOSR Journal of Agriculture and Veterinaty Science*. 9(7): 106-110.

Singh, R. and Nain S. 2018. A Mini-Review on Hyperlipidemia: Common Clinical Problem. *Interventional Cardiology Journal*. 4(3): 1-10.

Sovia, E., Ratwita W., Wijayanti D., dan Novianty D.R. 2017. Hypoglycemic and Hypolipidemic Effects of *Annona Muricata* L. Leaf Ethanol Extraxt. *International Journal of Pharmacy and Pharmaceutical Science*. 9(3): 170-174.

Stadelman, W. F. and O. J. Cotteril. 1995. *Egg Science and Technology 4th Edition*. Food Product Press. An Imprint of the Haworth Press Inc: New York

Sumbono, A. 2016. *Biokimia Pangan Dasar*. Yogyakarta: Deepublish Publisher. hal: 153-155.

Sumbono, A. 2019. *Biomolekul*. Yogyakarta: Deepublish Publisher. hal: 66-72, 91-93.

Sunarjono, H. 2015. *Sirsak dan Srikaya*. Bogor: Niaga Swadaya. hal: 19, 22-25.

Sutrisna, E.M. 2016. *Herbal medicine: Suatu Tinjauan Farmakologis*. Surakarta: Muhammadiyah University Press. hal: 1-2.

Teama, T., Zhang Z., Ran C., Zhang H., Yang Y., Ding Q., Xie M., Gao C., Ye Y., Duan M., and Zhou Z. 2019. The Use of Zebrafish (*Danio rerio*) as

Biomedical Models. *Animal Frontiers*. 9(3): 68-77.

Thomas, A. 1992. *Tanaman Obat Tradisional*. Yogyakarta: Penerbit Kanisius. hal: 108.

Ukachukwu, U. G., Ozougwu V. E. O., and Nwankwo N.E. 2017. A Comparative study on the Total Cholesterol, Triacylglycerides, and Lipid Concentrations of Quail and Chicken Eggs. *International Journal of Research in Pharmacy and Biosciences*. 4(10): 11-16

Uneputty, J.P/. Yamlean P.V.Y., dan Kojong N.S. 2013. Potensi Infusa Daun Sirsak (*Annona muricata* L.) terhadap Kadar kolesterol Darah Tikus Putih Jantan (*Rattus norvegicus*). *Pharmakon Jurnal Ilmiah Farmasi*. 2(2): 56-61.

Vargesson, N. A. 2007. *Zebrafish in Manual of Animal Technology*. Oxford: Blackwell Publishing Ltd. p: 91.

Verma, N. 2017. Introduction to Hyperlipidemia and its Treatment: A Review. *International Journal of Current Pharmaceutical Research*. 9 (1): 6-14.

Vishwanath, W. 2010. *Danio rerio* . *The IUCN Red List of Threatened Species 2010*: e.T166487A6219667. <https://dx.doi.org/10.2305/IUCN.UK.2010-4.RLTS.T166487A6219667.en>. Downloaded on 23 January 2020.

Wendraningtyas, A. 2011. Uji Toksisitas Akut Ekstrak Aktif Buah Sirsak Ratu (*Annona muricata*) dan Sirsak Hutan (*Annona glabra*) sebagai Potensi Antikanker. Skripsi. Institut Pertanian Bogor.

William, W. 2017. Ikan zebra (*Danio rerio*) dan Kegunaannya dalam Penelitian Fisiologi. *Jurnal Kedokteran Meditek*. 23(64): 41-47.

Xiao, Y., Zhong K., Rai J., Wu Y., Zhang J., Gao H. 2019. The Biochemical Characteristics of a Novel Fermented Loose Tea by *Eurotium cristatum* (MF800948) and its Hypolipidemic Activity in a Zebrafish Model. *LWT - Food Science and Technology*. <https://doi.org/10.1016/j.lwt.2019.108629>

Yuniarti,L., Dewi M.K., Lantika U.A., dan Bhatara, T. 2016. Potensi Ekstrak Air Daun Sirsak sebagai Penurun kolesterol dan Pengendali Berat Badan. *Acta Veterinaria Indonesiana*. 4(2): 81-87.

Yuliana, A. R. dan Ardiaria M. 2016. Efek Pemberian Seduhan Kulit Buah Naga Merah (*Hylocereus polyrhizus*) terhadap Kadar Trigliserida Tikus Sprague Dawley Dislipidemia. *Journal of Nutrition College*. 5(4): 428-437.

Zhou, J., Xu Y., Guo S., and Li C. Rapid Analysis of Hypolipidemic Drugs in A Live Zebrafish Assay, *Journal of Pharmacological and Toxicological Methods* (2014), <http://dx.doi.org/10.1016/j.vascn.2014.12.002>