DAFTAR PUSTAKA

Ananthanarayan, R. and Paniker, C.K.J., 2017, *Textbook of Microbiology*, 10th ed. The Orient Blackswan, Hyderabad.

Balouiri, M., Sadiki, M., and Ibnsouda, S.K., 2016, Methods for in Vitro Evaluating Antimicrobial Activity: A Review, *J Pharm Anal*, 6, 71–79.

Bladt, T.T., Durr, C., Knudsen, P.B., Kildgaard, S., Frisvad, J.C., Gotfredsen, C.H., Seiffert, M., and Larsen, T.O., 2013, Bio-Activity and Dereplication-based Discovery of Ophiobolins and Other Fungal Secondary Metabolites Targeting Leukemia Cells, *Molecules*, 18, 14629–14650.

Brader, G., Vajrodaya, S., Greger, H., Bacher, M., Kalchhauser, H., and Hofer, O., 1998, Bisamides, Lignans, Triterpenes, and Insecticidal Cyclopenta[b]benzofurans from Aglaia Species, *J Nat Prod*, 61, 1482–1490.

Carvalho, F. V. and Ribeiro, P.R., 2019, Structural Diversity, Biosynthetic Aspects, and LC-HRMS Data Compilation for the Identification of Bioactive Compounds of Lepidium meyenii, *Food Research International*, 125, 1–10.

Chikezie, I.O., 2017, Determination Of Minimum Inhibitory Concentration (MIC) and Minimum Bactericidal Concentration (MBC) Using a Novel Dilution Tube Method, *Afr J Microbiol Res*, 11, 977–980.

Cunha, W.R., De Matos, G.X., Souza, M.G.M., Tozatti, M.G., Andrade E Silva, M.L., Martins, C.H.G., Silva, R. Da, and Da Silva Filho, A.A., 2010, Evaluation of the Antibacterial Activity of the Methylene Chloride Extract of Miconia ligustroides, Isolated Triterpene Acids, and Ursolic Acid Derivatives, *Pharm Biol*, 48, 166–169.

Desrini S, 2015, Resistensi Antibiotik, Akankah Dapat Dikendalikan?, *JKKI*, 6, 1–3.

Ebada, S.S., Lajkiewicz, N., Porco, J.A., Li-Weber, M., and Proksch, P., 2011, Chemistry and Biology of Rocaglamides (= Flavaglines) and Related Derivatives from Aglaia Species (Meliaceae), *Fortschr Chem Org Naturst*, 94, 1–58.

Fancy, S.-A. and Rumpel, K., 2008, *Methods in Pharmacology and Toxicology: Biomarker Methods in Drug Discovery and Development*, Humana Press, Totowa.

Giri, G.S., 2020, Identifikasi dan Penetapan Kadar Senyawa Kuinin Fraksi Etil Asetat Kulit Batang Kina (Cinchona succirubrapav. Ex Klotzsch) Secara KLT-Densitometeri, *BIMFI*, 7, 1–12.

Harneti, D. and Supratman, U., 2021, Phytochemistry and Biological Activities of Aglaia Species, *Phytochemistry*, 181, 1–24.

Hartini, V.A., Anam, K., and Cahyono, B., 2012, Isolasi Senyawa Triterpenoid dari Daun Ketapang Kencana (Terminalia Muelleri Benth) dan Uji Aktivitas Sitotoksik dengan Metode Brine Shrimp Lethality Test (BSLT), *Jurnal Kimia Sains dan Aplikasi* , 15, 47–52.

Hidayat, A.T., Farabi, K., Harneti, D., Nurlelasari, Maharani, R., Nurfarida, I., Supratman, U., and Shiono, Y., 2018, Cytotoxic Triterpenoids from the Stembark of Aglaia argentea (Meliaceae), *Indonesian Journal of Chemistry*, 18, 35–42.

Hutchings, M., Truman, A., and Wilkinson, B., 2019, Antibiotics: Past, Present and Future, *Curr Opin Microbiol*, 51, 72–80.

Joycharat, N., Thammavong, S., Voravuthikunchai, S.P., Plodpai, P., Mitsuwan, W., Limsuwan, S., and Subhadhirasakul, S., 2014, Chemical Constituents and Antimicrobial Properties of The Essential Oil and Ethanol Extract from The Stem of Aglaia odorata Lour., *Nat Prod Res*, 28, 2169–2172.

Kim, S., Hwang, B.Y., Su, B.N., Chai, H., Mi, Q., Kinghorn, A.D., Wild, R., and Swanson, S.M., 2007, Silvestrol, a Potential Anticancer Rocaglate Derivative from Aglaia foveolata, Induces Apoptosis in LNCaP Cells through the Mitochondrial/Apoptosome Pathway without Activation of Executioner Caspase-3 or -7, *Anticancer Res*, 27, 2175–2184.

Kinghorn, A.D., Carcache De Blanco, E.J., Lucas, D.M., Rakotondraibe, H.L., Orjala, J., Soejarto, D.D., Oberlies, N.H., Pearce, C.J., Wani, M.C., Stockwell, B.R., Burdette, J.E., Swanson, S.M., Fuchs, J.R., Phelps, M.A., Xu, L., Zhang, X., and Shen, Y.Y., 2016, Discovery of Anticancer Agents of Diverse Natural Origin, *Anticancer Res*, 36, 5623–5637.

Klont, F. and Hopfgartner, G., 2021, Mass Spectrometry Based Approaches and Strategies in Bioanalysis for Qualitative and Quantitative Analysis of Pharmaceutically Relevant Molecules, *Drug Discov Today Technol*, 40, 64–68.

Kongkham, B., Prabakaran, D., and Puttaswamy, H., 2020, Opportunities and challenges in managing antibiotic resistance in bacteria using plant secondary metabolites, *Fitoterapia*, 147, 104762.

Kurnia, D., 2014, Potensi Sumber Daya Alam Hayati Indonesia: Senyawa Bioaktif Alami dari Mushroom dan Tumbuhan Indonesia, *Prosiding Seminar Nasional* , 1–10.

Langlais, D., Cencic, R., Moradin, N., Kennedy, J.M., Ayi, K., Brown, L.E., Crandall, I., Tarry, M.J., Schmeing, M., Kain, K.C., Porco, J.A., Pelletier, J., and Gros, P., 2018, Rocaglates as Dual-targeting Agents for Experimental Cerebral Malaria, *Proc Natl Acad Sci U S A*, 115, 2366–2375.

Lucas, D.M., Edwards, R.B., Lozanski, G., West, D.A., Shin, J.D., Vargo, M.A., Davis, M.E., Rozewski, D.M., Johnson, A.J., Su, B.-N., Goettl, V.M., Heerema, N.A., Lin, T.S., Lehman, A., Zhang, X., Jarjoura, D., Newman, D.J., Byrd, J.C., Kinghorn, A.D., et al., 2009, The Novel Plant-derived Agent Silvestrol has B-cell Selective Activity in Chronic Lymphocytic Leukemia and Acute Lymphoblastic Leukemia in Vitro and in Vivo, *Blood*, 113, 4656–4666.

Mabberley, D.J., Kalkman, C., Steenis, C.G.G.J. van., Nooteboom, H.P., 1995, Flora Malesiana, Foundation Flora Malesiana, Leiden.

Mizushina, Y., Nakanishi, R., Kuriyama, I., Kamiya, K., Satake, T., Shimazaki, N., Koiwai, O., Uchiyama, Y., Yonezawa, Y., Takemura, M., Sakaguchi, K., and Yoshida, H., 2006, β-Sitosterol-3-O-β-d-glucopyranoside: A Eukaryotic DNA Polymerase λ Inhibitor, *Journal of Steroid Biochemistry and Molecular Biology*, 99, 100–107.

Moore, A.Y., Del Rosso, J., Johnson, J.L., and Grada, A., 2020, Sarecycline: A review of Preclinical and Clinical Evidence, *Clin Cosmet Investig Dermatol*, 13, 553–560.

Mukherjee, P.K., 2019, *Quality Control and Evaluation of Herbal Drugs*, Susan Dennis, Kolkata.

Mulyanti, S., Musthapa, I., and Aisyah, S., 2010, Isolasi dan Karakterisasi Senyawa Metabolit Sekunder dari Fraksi Aktif Antidiabetes Daging Buah Paria (Momordica charantia Linn.), *Jurnal Sains dan Teknologi Kimia*, 1, 191–199.

Newman, D.J. and Cragg, G.M., 2020, Natural Products as Sources of New Drugs over the Nearly Four Decades from 01/1981 to 09/2019, *J Nat Prod*, 83, 770–803.

Nothias, L.F., Nothias-Esposito, M., Da Silva, R., Wang, M., Protsyuk, I., Zhang, Z., Sarvepalli, A., Leyssen, P., Touboul, D., Costa, J., Paolini, J., Alexandrov, T., Litaudon, M., and Dorrestein, P.C., 2018, Bioactivity-Based Molecular Networking for the Discovery of Drug Leads in Natural Product Bioassay-Guided Fractionation, *J Nat Prod*, 81, 758–767.

Pacheco, A.G., Alcântara, A.F.C., Abreu, V.G.C., and Corrêa, G.M., 2012, *Relationships Between Chemical Structure and Activity of Triterpenes Against Gram-Positive and Gram-Negative Bacteria*, Bobbarala,V. (ed) IntechOpen, London.

Pan, L., Kardono, L.B.S., Riswan, S., Chai, H., Carcache De Blanco, E.J., Pannell, C.M., Soejarto, D.D., McCloud, T.G., Newman, D.J., and Kinghorn, A.D., 2010, Isolation and Characterization of Minor Analogues of Silvestrol and Other Constituents from a Large-Scale Re-collection of Aglaia foveolata, *J Nat Prod*, 73, 1873–1878.

Parhusip, A., Jenie, B.S.L., and Rahayu, W.P., 2011, Quantification of Sterol Lipids in Plants by Quadrupole Time-of-flight Mass Spectrometry, *J Lipid Res*, 52, 1039–1054.

Paritala, V., Chiruvella, K.K., Thammineni, C., Ghanta, R.G., and Mohammed, A., 2015, Phytochemicals and Antimicrobial Potentials of Mahogany Family, *Revista Brasileira de Farmacognosia*, 25, 61–83.

Pavia, D.L., Lampman, G.M., Kriz, G.S., and Vyvyan, J.R., 2013, Introduction to Spectroscopy, Cengage Learning, Washington.

Peshin, T. and Kar, H., 2017, Isolation and Characterization of β-Sitosterol-3-O-β-D-glucoside from the Extract of the Flowers of Viola odorata, *Br J Pharm Res*, 16, 1–8.

Pontes, M.C., Cavalcante, N.B., Leal, A.E.B.P., de Oliveira, A.P., Coutinho, H.D.M., de Menezes, I.R.A., Delange, D.M., Turatti, I.C.C., de Oliveira, G.G., Neto, F.C., Tomaz, J.C., Lopes, N.P., and Almeida, J.R.G. da S., 2022, Chemical Constituents and Antibacterial Activity of Bromelia laciniosa (Bromeliaceae): Identification and Structural Characterization, *Phytomedicine Plus*, 2, 1–9.

Praptiwi, 2007, Uji Aktivitas Antibakteri dan Sitotoksik Ekstrak Metanol Aglaia silvestris (M.Roemer) Merr. Antibacterial dan Cytotoxic Activities of Aglaia silvestris (M.Roemer) Merr. Methanol Extract Praptiwi, *Biota*, 12, 23–27.

Primahana, G., Narmani, A., Surup, F., Teponno, R.B., Arzanlou, M., and Stadler, M., 2021, Five tetramic acid derivatives isolated from the iranian fungus colpoma quercinum cctu a372, *Biomolecules*, 11, .

Retnowati, A., Rugayah, and Rahajoe, J.S., 2019, *Status Keanekaragaman Hayati Indonesia Kekayaan Jenis Tumbuhan dan Jamur Indonesia*, LIPI Press, Jakarta.

Ribeiro, N., Thuaud, F., Bernard, Y., Gaiddon, C., Cresteil, T., Hild, A., Hirsch, E.C., Michel, P.P., Nebigil, C.G., and Désaubry, L., 2012, Flavaglines as Potent Anticancer and Cytoprotective Agents, *J Med Chem*, 55, 10064–10073.

Salim, A.A., Chai, H.B., Rachman, I., Riswan, S., Kardono, L.B.S., Farnsworth, N.R., Carcache-Blanco, E.J., and Kinghorn, A.D., 2007, Constituents of The Leaves and Stem Bark of Aglaia foveolata, *Tetrahedron*, 63, 7926–7934.

Sargent, M., Wolff, C., Mussell, C., Neville, D., Lord, G., Saeed, M., Lad, R., Godfrey, R., Hird, S., and Barwick, V., 2013, *Guide to Achieving Reliable Quantitative LC-MS Measurements, Fist Edition 2013. Mike Sargent (ed) LGC,* Teddington.

Sarker, S.D., Latif, Z., and Gray, A.I., 2006, *Natural Products Isolation Second Edition*, Humana Press Inc., Totowa.

Schmidt, M.E.P., Pires, F.B., Bressan, L.P., Da Silva, F.V., Lameira, O., and Da Rosa, M.B., 2018, Some Triterpenic Compounds in Extracts of Cecropia and Bauhinia Species for Different Sampling Years, *Revista Brasileira de Farmacognosia*, 28, 21–26.

Silverstein, R.M., Webster, F.X., and Kiemle, D.J., 2005, Spectrometric Identification of Organic Compounds, John Wiley and Sons Inc, New York.

Su, B.N., Chai, H., Mi, Q., Riswan, S., Kardono, L.B.S., Afriastini, J.J., Santarsiero, B.D., Mesecar, A.D., Farnsworth, N.R., Cordell, G.A., Swanson, S.M., and Kinghorn, A.D., 2006, Activity-guided Isolation of Cytotoxic Constituents from the Bark of Aglaia crassinervia Collected in Indonesia, *Bioorg Med Chem*, 14, 960–972.

Talapatra, S.K. and Talapatra, B., 2022, Basic Concepts in Organic Stereochemistry, Springer International Publishing, Kolkata.

Tamokou, J. de D., Mbaveng, A.T., and Kuete, V., 2017, Medicinal Spices and Vegetables from Africa: Therapeutic Potential Against Metabolic, Inflammatory, Infectious and Systemic Diseases,. In, *Medicinal Spices and Vegetables from Africa: Therapeutic Potential Against Metabolic, Inflammatory, Infectious and Systemic Diseases*. Academic Press, pp. 207–237.

Todt, D., Moeller, N., Praditya, D., Kinast, V., Friesland, M., Engelmann, M., Verhoye, L., Sayed, I.M., Behrendt, P., Dao Thi, V.L., Meuleman, P., and Steinmann, E., 2018, The Natural Compound Silvestrol Inhibits Hepatitis E Virus (HEV) Replication in Vitro and in Vivo, *Antiviral Res*, 157, 151–158.

Triana, D., Tafdilla, M.A., Antika, L.D., and Ernawati, T., 2019, Conversion Eugenol to Vanillin: Evaluation of Antimicrobial Activity, *International Summit on Science Technology and Humanity*, 1, 594–602.

WHO, 2020, The Top 10 Causes of Death, World Health Organization, World Health Organization, Geneva.

Yuhernita and Juniarti, 2011, Analisis Senyawa Metabolit Sekunder dari Ekstrak Metanol Daun Surian yang Berpotensi sebagai Antioksidan, *MAKARA of Science Series*, 15, 48–52.