

## DAFTAR PUSTAKA

- Anggraini, F.D., 2012, Isolasi dan Uji Antimikroba Metabolit Sekunder Ekstrak Kultur Jamur Endofit AFKR-5 dari Tumbuhan Akar Kuning (*Arcangelisia flava* (L) Merr), *Skripsi*, Fakultas Matematika dan Ilmu Pengetahuan Alam Institut Pertanian Bogor.
- Anonim, 2015<sup>a</sup>, *Potensi Indonesia sebagai Negara Maritim*, <http://www.perumperindo.co.id>, 2 Maret 2016.
- Anonim, 2017<sup>b</sup>, *Dehydrated Culture Media: Sabouraud Dextrose Agar*, [http://www.oxid.com/UK/blue/prod\\_detail/prod\\_detail.asp?pr=CM0041](http://www.oxid.com/UK/blue/prod_detail/prod_detail.asp?pr=CM0041), 4 Mei 2017.
- Anonim, 2017<sup>c</sup>, *Dehydrated Culture Media: Nutrient Agar*, [http://www.oxid.com/UK/blue/prod\\_detail/prod\\_detail.asp?pr=CM0003](http://www.oxid.com/UK/blue/prod_detail/prod_detail.asp?pr=CM0003), 4 Mei 2017.
- Bates, M.K., Philips, D.S., dan O'Bryan, J., Shaker Agitation Rate and Orbit Affect Growth of Cultured Bacteria, *Application Note*, Thermoscientific.
- Bérdy, J., 2005, Bioactive microbial metabolites, *The Journal of Antibiotics*, 58 (1), 1-26.
- Brooks, G.F., Butel, J.S., dan Ornston, L.N., 2008, Jawetz, Melnick & Adelberg's Medical Microbiology, 26<sup>th</sup> Edition, Mc Graw-Hill Companies, Inc., USA.
- Bugni, T.S., dan Ireland, C.M., 2004, Marine-Derived Fungi : A Chemically and Biologically Diverse Group of Microorganism, *Natural Product Reports*, 21, 143-163.
- Cowan, M.M., 1999, Plant Products as Antimicrobial Agents, *Clinical Microbiology Reviews*, 12, 564 – 582.
- Carlile, M.J., S.C., Watkinson, dan G.W., Gooday, 2001, *The fungi*, Academic Press, California.
- Choma, I., 2005, The Use of Thin-Layer Chromatography with Direct Bioautography for Antimicrobial Analysis, *LCGC Europe*, 18 (9).
- Cushnie, T.P.T., dan Lamb, A.J., 2005, Antimicrobial Activity of Flavonoids, *International Journal of Antimicrobial Agents*, 26, 343-356.
- Deinstrop, E.H., 2007, *Applied Thin-Layer Chromatography*, 2nd Ed., diterjemahkan dalam bahasa Inggris oleh R.G. Leach, Wiley-VCH Verlag GmbH dan Co. KGaA, Weinheim, Jerman.
- Dettrakul, S., Kittakoop, P., Isaka, M., Nopichai, S., Suyarnsestakorn, C., Tanticharoen, M., dan Thebtaranonth, Y., Antimycobacterial Pimarane Diterpenes from The Fungus *Diaporthe* sp., *Bioorganic & Medicinal Chemistry Letters*, 13(7): 1253–1255
- Djide, M.N., Sartini, dan Kadir, S., 2005, *Analisis Mikrobiologi Farmasi*, Laboratorium Mikrobiologi Farmasi Fakultas Matematika dan Ilmu Pengetahuan Alam, Universitas Hasanuddin, Makassar.

- Gandjar, I.G., dan Rohman, A., 2007, *Kimia Farmasi Analisis*, Penerbit Pustaka Pelajar, Yogyakarta.
- Gritter, R.J., Bobbit., J.M., dan Schwarting, A.E., 1985, *Introduction to Chromatography*, 2<sup>nd</sup> Edition, Holden Day, USA.
- Gupte, S., 2010, *The Short Textbook of Medical Microbiology (Including Parasitology)*, 10<sup>th</sup> Edition, Jaypee Brothers Medical Publishers (P) LTD, New Delhi, India.
- Himaya, S.W.A., dan Kim, S.K., 2013, Marine Symbiotic Microorganisms: A New Dimension in Natural Product Research, dalam Kim, S.K., *Marine Microbiology : Bioactive Compounds ang Biotechnological Aplications*, 1<sup>st</sup> Edition, Wiley-VCH Verlag GmbH & Co. KGaA., Jerman.
- Hooper, J.N.A., dan Van Soest, R.W.M., 2002, *Systema Porifera : A Guide to Classification of Sponges*, 783-784, volume 1, Kluwer Academic, Plenum Publisher, New York.
- Jork, H., Funk, W., Fischer, W., dan Wimmer, H., 1990, *Thin-Layer Chromatography: Reagents and Detection Methods*, Volume 1a, VCH, New York.
- Khamthong, N., Rukachaisirikul, V., Phongpaichit, S., Preedanon, S., dan Sakayaroj, J., 2014, An Antibacterial Cytochalasin Derivative from The Marine-Derived Fungus *Diaportheaceae* sp. PSU-SP2/4. *Phytochemistry Letters*, 10, 5–9.
- Kim, S.K., 2013, *Marine Microbiology: Bioactive Compounds and Biotechnological Application*, Wiley-VCH, Jerman.
- Lorian, V., 1980, *Antibiotic in Laboratory Medicine*, The Williams and Wilkins Company, Baltimore, USA.
- Mousa KW., dan Raizada MN., 2013, The Diversity of Anti-microbial Secondary Metabolites Produced by Fungal Endophytes: an Interdisciplinary Perspective, *Frontiers in Microbiology*, 4(65), 1-18.
- Noumi, E., Snoussi, M., Noumi, I., Saghrouni, F., Aouni, M., dan Valentin, E., 2015, Phenotypic characterization and adhesive properties of vaginal *Candida* spp. strains provided by the CHU Farhat Hached (Sousse, Tunisia), *Revista Iberoamericana de Micología*, 32(2), 170-179.
- Nofiani, R., 2008, Urgensi dan Mekanisme Biosintesis Metabolit Sekunder Mikroba Laut, *Jurnal Natur Indonesia*, 10(2). 120-125.
- Nurhayati, 2009, Kajian Awal Potensi Ekstrak Spons sebagai Antioksidan, *Jurnal Kelautan Nasional*, Vol.2 Edisi Khusus, 43-51.
- Oleszek, W., Kapusta, I., dan Stochmal, A., 2007, TLC of Triterpenes (Including Saponin), dalam Hajnos, M.W., Sherma, J., Kowalska, T., 2008, *Thin Layer Chromatography in Phytochemistry*, CRC Press.
- Patrick, S.M., dan Finn, B., 2008, Modes of Fermenter Operation, dalam Mc. Neil, B., dan Harvey L.M., (Eds), *Practical Fermentation Technology*, John Wiley & Sons, Ltd, Chichester.
- Pelczar, M., dan Chan, E., 1981, *Elements of Microbiology*, McGraw-Hill, USA.

- Proksch, P., Edrada, R.A., dan Ebel R., 2002, *Drugs from the seas – current status and microbiological implications*, Applied Microbiology and Biotechnology.
- Pramono, S., 1989, Pemisahan Flavonoid, Pasca Sarjana Fakultas Farmasi, Universitas Gadjah Mada, Yogyakarta *cit.* Nisak, U.K., 2009, Isolasi Fungi Penghasil Senyawa Antimikroba Dari Tanaman Jinten (*Coleus amboinicus* Lour.) Dan Karakterisasi Senyawa Aktifnya Dengan Metode KLT Bioautografi, *Skripsi*, Fakultas Farmasi Universitas Gadjah Mada, Yogyakarta.
- Pratiwi, S.T., 2008, *Mikrobiologi Farmasi*, Penerbit Erlangga, Jakarta.
- Robinson, T. 1995, Kandungan Organik Tumbuhan tinggi, ITB Press, Bandung *cit.* Wardhani, L.K., Sulistyani, N., 2012, Uji Aktivitas Antibakteri Ekstrak Etil Asetat Daun Binahong (*Anredera scandens* (L.) Moq.) terhadap *Shigella flexneri* Beserta Profit Kromatografi Lapis Tipis, *Jurnal Ilmiah Kefarmasian*, 2(1), 1-16.
- Samuelsson, G., 1999, *Drugs and Natural Origin*, a Textbook of Pharmacognosy, 4<sup>th</sup>, Rev. Ed., Swedish Pharm Press Sweden *cit* Mulyani, S., Laksana, T., 2011, Analisa Flavonoid dan Tannin dengan Metode Mikroskopi-Mikrokimiawi, *Majalah Obat Tradisional*, 16(3), 109-114.
- Setyowati, E.P., Sudarsono dan Wahyuono, S., 2004, Uji Sitotoksitas dan Uji Antimikroba Senyawa Bioaktif Spons *Stylissa flabelliformis*, *Majalah Farmasi Indonesia*, 1(2), 50-56.
- Setyowati, E.P., Sudarsono dan Wahyuono, S., 2005, Jaspamide: Identifikasi Struktur Senyawa Sitotoksik dan Fungisid dari Spons *Stylissa flabelliformis*, *Majalah Farmasi Indonesia*, 16(1), 12-19.
- Silverio, A., Lopes, M., 2012, Antimicrobial Activity of Condiments, dalam Bobbarala, V., *Antimicrobial Agents*, Intech, Croatia.
- Stanbury, P.F., Whitaker, A., dan Hall, S.J., 1995, *Principles of Fermentation Technology*, Second Ed., Butterworth-Heinemann, Burlington.
- Strobel, G.A., 2003, Endophytes as sources of bioactive products, *Microbes Infect*, 5(6), 535-544.
- Sugijanto, N.E., H. Putra, F. Pritayuni, N. Albathaty, dan Noor Cholies Zaini, 2009, Daya Antimikroba Ekstrak *Lecythophora* sp., Endofit yang Diisolasi dari *Alyxia reinwardtii*, *Berk. Penel. Hayati*, 15, 37-44.
- Sutrisno, R.B., 1986, *Pereaksi KLT*, Edisi 1, Fakultas Farmasi Universitas Pancasila Jakarta, Jakarta.
- Thakur, A.N., dan Muller, E.G., 2004, Biotechnological Potential of Marine Sponges, Review Article, *Current Science*, 86(11), 1506-1512.
- Thomas, T.R.A., Kavlekar, D.P., dan Lokabharathi, P.A., 2010, Marine drugs from sponge–microbe association – a review, *Marine drugs*, 8(4), 1417-1468.
- Todar, K., 2008, *Staphylococcus aureus and Staphylococcal Disease*, [http://www.textbookofbacteriology.net/growth\\_2.html](http://www.textbookofbacteriology.net/growth_2.html), 8 September 2016.
- Wagner, H., dan Bladt, S., 1996, *Plant Drug Analysis: A Thin Layer Chromatography Atlas*, 2<sup>nd</sup> Edition, Springer-Verlag Berlin Heidelberg, New York.

- Wahyono, Pudjono, dan Widyawati P., 2010, Uji Aktivitas Senyawa Antiplasmodium dari Fungi Endofit Tanaman *Artemisia annua* L., *Majalah Farmasi Indonesia*, 21(4), 230-235.
- Wall, P.E., 2005, *Thin Layer Chromatography: Modern A Pratical Approach*, Dorset: VWR International Ltd.
- Welch, R.A., 2006, The Genus *Escherichia*, dalam Dworkin, Martin, Falkow, Stanley, Rosenberg, Eugene, Schleifer, Karl-Heinz, dan Stackbrandt, Erko, (Eds.), *The Prokaryotes, 3rd: A Handbook on Biology of Bacteria*, Springer Science, USA.
- WHO, 2017, *Infectious disease*, <http://www.who.int>, 21 Maret 2017.
- Wu, J., Cheung, P.C.K., Wong, K., dan Huang, N., 2004, Studies on Submerged Fermentation of *Pleurotus tuber-regium* (Fr.) Singer. Part2: Effect of Carbon-to-Nitrogen Ratio of The Culture Medium on The Content and Composition of The Mycelial Dietary Fibre, *Food Chemistry*, 85,101-105.
- Xu, L., Meng, W., Cao, C., Wang, J., Shan, W., dan Wang, Q., 2013, Antibacterial and Antifungal Compounds from Marine Fungi, *Marine Drugs*, 13, 3479-3513.
- Yu, H., Zhang, L., Li, L., Zheng, C., Guo, L., Li, W., Sun, P., dan Qin, L., 2010, recent Developments and Future Prospects of Antimicrobial Metabolites Produced by Endohytes, *Microbiological Research*, 165: 437-449.
- Yulianti, 2011, Skrining dan Analisis KLT-Bioautografi Senyawa Antimikroba Beberapa Ekstrak Spons Asal Perairan Laut Pulau Barrang Lompo, Sulawesi Selatan, *Majalah Obat Tradisional*, 16(2): 88-94.
- Zhang, M., Wang, W.L., Fang, Y.C., Zhu, T.J., Gu, Q.Q., dan Zhu, W.M., Cytotoxic Alkaloids And Antibiotic Nordammarane Triterpenoids From The Marine-Derived Fungus *Aspergillus sydowi*, *J Nat Prod.*, 71 (6), 985–989.
- Zhou, Y.M., Debbab, A., Wray, V., Lin, W.H., Schulz, B., Trepos, R., Pile, C., Hellio, C., Proksch, P., dan Aly, A.H., 2014, Marine bacterial inhibitors from the sponge-derived fungus *Aspergillus* sp., *Tetrahedron Letters*, 55, 2789–2792.
- Zoraghi, R., See, R.H., Cilies, P.A., Kumar, N.S., Gong, H., Moreau, A., Hsing, M., Kaur, S., Swayze, R.D., Worrall, L., Amandoron, E., Lian, T., Jackson, L., Jiang, J., Thorson, L., Labriere, C., Foster, L., Brunham, R.C., McMaster, W.R., Finlay, B.B., Strynadka, N.C., Cherkasov, A., Young, R.N., dan Reiner, N.E., 2011, Identification of Pyruvate Kinase in Methicillin-Resistant *Staphylococcus aureus* as a Novel Antimicrobial Drug Target, *Antimicrobial Agents And Chemotherapy*, 2042-2053.