

## DAFTAR PUSTAKA

- Abdelmohsen, R.U., Chen Yang, & H. Horn. 2014. Actinomycetes from red sea sponge: Source for chemical and phylogenetic diversity. *Marine Drugs*. 12: 2771-2789.
- Afrianto, E. 2000. *Penanggulangan Hama dan Penyakit Ikan*. Kanisius. Yogyakarta. Hal: 11.
- Bansemir, A., M. Blume, S. Schroder, & U. Lindequist. 2006. Screening of cultivated seaweeds for antibacterial activity against fish pathogenic bacteria. *Aquaculture*. 252: 79-84.
- Brownie, J., S. Shawcross, J. Theaker, D. Whitcombe, R. Ferrie, C. Newton, & S. Little. 1997. The elimination of primer-dimer accumulation in PCR. *Nucleic Acids Research*, 25: 3235-3241.
- Das, S., P.S. Lyla, & S.A. Khan. 2006. Marine microbial diversity and ecology: importance and future perspective. *Current Science*. 10: 1325-1335.
- Departemen Kelautan & Perikanan. 2009. *Buku Saku Pengendalian Penyakit Ikan*. Direktorat Jenderal Perikanan Budidaya Direktorat Kesehatan Ikan dan Lingkungan. Hal: 49.
- Dewick, P.M. 2009. *Medicinal Natural Products: A Biosynthetic Approach 3<sup>rd</sup> Edition*. John Wiley & Sons. Hal: 75.
- Dischinger, J., M. Josten, C. Szekat, H.G. Sahl, & G. Bierhaum. 2009. Production of the novel two-peptide lantibiotic lichenicidin by *Bacillus licheniformis* DSM 13. *Plos One*. 4: 1-11.
- Eitan, B. D., D. Z. B. Yosef, V. Pavlov, & A. Kushmaro. 2009. *Corynebacterium maris* sp. nov., a marine bacterium isolated from the mucus of the coral *Fungia granulosa*. *International Journal of Systematic and Evolutionary Microbiology*. 59: 2458-2463.
- FAO. 2005. *Responsible use of antibiotics in aquaculture*. FAO Fisheries Technical Paper. Hal: 9.
- Fiedler, H.P., C. Bruntner, A.T. Bull, A.C. Wark, M. Goodfellow, O. Potterat, C. Puder, & G. Mihm. 2005. Marine actinomycetes as a source of novel secondary metabolites. *Antonie van Leeuwenhoek*. 87: 37-42.
- Ghufran, M. 2004. *Penanggulangan Hamada dan Penyakit Ikan*. Rineka Cipta. Jakarta. Hal: 139-140
- Gibbons, S. 2006. *An Introduction to Planar Chromatography*. In: Sarker, Satyajit D., Z. Latif, & I. Alexander. 2006. *Natural Product Isolation*. 2<sup>nd</sup> Edition. Humana Press, New Jersey. Hal: 77-116.
- Goodfellow, M. 2010. A guide to successful bioprospecting: informed by actinobacterial systematics. *Antonie van Leeuwenhoek*. 98: 119-142.
- Harborne, J.B. 2006. *Metode Fitokimia: Penuntun Cara Modern Menganalisis Tumbuhan, terbitan ke-2, diterjemahkan oleh Kosasih Padmawinata dan Iwang Soediro*. Penerbit ITB. Bandung.

- Hentschel, U. 2012. Diversity of nonribosomal peptide synthase genes in the microbial metagenomes of marine sponges. *Marine Drugs*. 10: 1192-1202.
- Heueur, H. 1997. Analysis of actinomycete communities by specific amplification of genes encoding 16S rRNA and gel-electrophoretic separation in denaturing gradients. *Applied and Environmental Microbiology*. 63: 3233-3241.
- Jaspar, M. & W.E. Houssen. 2006. *Natural Product Isolation 2<sup>nd</sup> edition: Isolation of Marine Natural Products*. Humana Press. Hal: 353-390.
- Jensen P.R. & F.M. Lauro. 2008. An assessment of actinobacterial diversity in the marine environment. *Antonie van Leeuwenhoek*. 94: 51-62.
- Kamiso, H.N., A. Isnansetyo, Murwantoko, & S.B. Priyono. 1998. Pembuatan antigen murni untuk memproduksi polivalen antibodi dan vaksin *Aeromonas hydrophila*. Universitas Gadjah Mada. Laporan Penelitian Hibah Bersaing V/2.
- Kasanah, N & A. Isnansetyo. 2013. High Throughput Screening dan Bioassay dalam Penemuan Senyawa Bioaktif dari Alam. Materi Workshop dan Pelatihan Bioprospekting Bahan Alam Kelautan II. Laboratorium Hidrobiologi Jurusan Perikanan Fakultas Pertanian Universitas Gadjah Mada. 14.
- Kelecom, A. 2002. Secondary metabolism from marine microorganisms. *Anais da Academia Brasileira de Ciencias*. 74: 151-170.
- Kementerian Kelautan & Perikanan. 2016. *Kelautan dan Perikanan Dalam Angka 2016*. Pusat Data, Statistika, dan Informasi Kementerian Kelautan dan Perikanan.
- Kijjoa, A. & P. Sawangwong. 2004. Drugs and cosmetics from the sea. *Marine Drugs*. 2: 73-82.
- Konz, D., S. Doekel, & M.A. Marahiel. 1999. Molecular and biochemical characterization of the protein template controlling biosynthesis of the lipopeptide lichenysin. *Journal of Bacteriology*. 181: 133-140.
- Kurniawan, A. 2012. *Penyakit Akuatik*. UBB Press. Pangkalpinang. Hal: 66-67.
- Lee, Y.K., J.H. Lee, & H.K. Lee. 2001. Microbial symbiosis in marine sponges. *The Journal of Microbiology*. 39: 254-264.
- Manivasagan, P., J. Venkatesan, K. Sivakumar, & S.K. Kim. 2014. Pharmaceutically active secondary metabolites of marine actinobacteria. *Microbiological Research*. 169: 262-278.
- Palaez, F. 2006. The historical delivery of antibiotics from microbial natural product. *Biochemical Pharmacology*. 71: 981-990.
- Rao, N.S.S. 2001. *Soil Microbiology. Soil Microorganism and Plant Growth 4<sup>th</sup> edition*. Science Publishers, Inc. Enfield (NH), USA.
- Reid, R.G & S.D. Sarker. 2006. *Natural Product Isolation 2<sup>nd</sup> edition*. Humana Press.
- Sacido, A. A. & O. Genilloud. 2004. New PCR primers for the screening of NRPS and PKS-I systems in actinomycetes: detection and distribution of these biosynthetic gene sequences in major taxonomic groups. *Microbial Ecology*. 49: 10-24.
- Shimizu, Y. & B. Li. 2006. *Natural Product Isolation 2<sup>nd</sup> edition: Purification of Water-Soluble Natural Products*. Humana Press. Hal: 415-438.

- Soest, R.W.M.V. & J.C. Braekman. 1999. Chemosystematics of Porifera: A Review. *Memoir of the Queensland Museum* 44: 569 -589.
- Strand, M., M. Carlson, H. Uvell, K. Islam, K. Edlund, I. Cullman, B. Altermark, Y. Mei, M. Elofsson, M. Willassen, & G. Wadell. 2014. Isolation and characterization of anti-adenoviral secondary metabolites from marine actinobacteria. *Marine Drugs*. 12: 799-821.
- Subramani, R., R. Kumar, P. Prasad, & W. Aalbersberg. 2013. Cytotoxic and antibacterial substances against multi-drug resistant pathogens from marine sponge symbiont: Citrinin, a secondary metabolite of *Penicillium* sp. *Asian Pacific. J. Trop. Biomed.* 3: 291-296.
- Subramani, R. & W. Aalbersberg. 2012. Marine actinomycetes: An ongoing source of novel bioactive metabolites. *Microbiological Research*. 167: 571-580.
- Taylor, M.W., R. Radax, D. Steger, & M. Wagner. 2007. Sponge-Associated Microorganisms: Evolution, Ecology, and Biotechnology Potential. *Microbiol.* 71: 295-347.
- Thakur, N.L & W.E.G. Muller. 2004. Biotechnological potential of marine sponges. *Current Science*. 86: 1506-1512.
- Thomas, T.R.A., D.P. Kavlekar, & P.A.L. Bharati. 2010. Marine drugs from sponge-microbe association- A review. *Marine Drugs*. 8: 1417-1468.
- Webster, N.S. & M.W. Taylor. 2012. Marine sponges and their microbial symbionts: love and other relationships. *Environment Microbial.* 14: 335-346.
- Zong, J. D., E. M. Jordan, A.P. Rooney, G.J. Chen, & B. Austin. 2010. *Corynebacterium marinum* sp. nov. Isolated from coastal sediment. *International Journal of Systematic and Evolutionary Microbiology*. 60: 1944-1947.