

DAFTAR PUSTAKA

- Aires, T. 2015. Hologenome Theory Supported by Cooccurrence Networks of Species-Specific Bacterial Communities in Siphonous Algae (*Caulerpa*). *Fems Microbiology Ecology*, 91: 1-14.
- AlgaBase. 2018. Algaebase is A Global Algal Database of Taxonomic, Nomenclatural, and Distributional Information. <http://www.algaebase.org/>. 10/09/2018.
- Ali, B., L. Ktari, H. Bolhuis, M. Ahmed, A. Boudabbous, and L. Stal. 2012. *Jania rubens* Associated Bacteria: Molecular Identification and Antimicrobial Activity. *Journal of Applied Phycology*, 24: 525–534.
- Amorati, M., M. Foti., and L. Valgimigli. 2013. Antioxidant Activity Of Essential Oils. *J. Agric. Food Chem*, 61: 10835-10847.
- Andrews, J. 2001. Determination of Minimum Inhibitor Concentrations. . *Journal Antimicrobial Chemotherapy*, 48:5-16.
- Armanda, R., A. Murti, dan E. Hari. 2013. Struktur Apung pada Pusat Penelitian Rumput Laut di Pantai Ponjuk, Pulau Talango, Madura. Malang. Universitas Brawijaya.
- Armstrong, E., A. Rogerson, and J. Leftley. 2002. The Abundance of Heterotrophic Protists Associated with Intertidal Seaweeds. *Estuar Coast Shelf*, 50: 415-424.
- Badan Pusat Statistik. 2015. Statistik Ekspor Impor Indonesia 2015.
- Barrow, G. and R. Feltham. 2003. *Cowan and Steel's: Manual for the Identification of Medical Bacteria*. Australia: Cambridge University Press. pp. 86-90.
- Brader, G., S. Compant, B. Mitter, F. Trognitz, and A. Sessitsch. 2014. Metabolic Potential of Endophytic Bacteria. *Environmental Biotechnology*, 27: 30–37.
- Cavalieri, S., I. Rankin, R. Harbeck, R. Sautter, Y. Carter, S. Sharp, J. Ortez, and C. Spiegel. 2005. *Manual of Antimicrobial Susceptibility Testing*. USA: American Society for Microbiology.
- Chakraborty, K., T. Bini, K. Vamshi, and J. Minju. 2017. Antibacterial Polyketides from *Bacillus amyloliquefaciens* Associated with Edible Red Seaweed *Laurenciae papillosa*. *Food Chemistry*, 218: 427–434.

- Cushnie, T. and A. Lamb. 2005. Antimicrobial Activity of Flavonoids. *International Journal of Antimicrobial Agents*, 26: 343-356.
- Davis, W. dan T. Stout . 1971. Disc Plate Methods of Microbiological Antibiotic Assay. *Microbiology*. 22(4):659-665.
- Dawes, C. 2016. Chapter 4: Macroalgae Systematics. *Seaweed In Health and Disease Prevention*. pp. 107-148.
- Eloranta, P., J. Kwandrans, and E. Kusel-Fetzmann. 2011. Rhodophyta and Phaeophyceae. In: *Süßwasserflora Von Mitteleuropa*. Spektrum Akademischer Verlag, Heidelberg, 7: 155.
- Felicio, R., G. Pavao, A. Ligia, C. Erber, R. Conti, M. Pupo, N. Furtado, E. Ferreira, L. Costa, M. Claudia, N. Yokoya, and H. Debonsi. 2015. Antibacterial, Antifungal and Cytotoxic Activities Exhibited by Endophytic Fungi from the Brazilian Marine Red Alga *Bostrychia tenella* (Ceramiales). *Revista Brasileira de Farmacognosia*, 25: 641–650.
- Ganapathy, A. and S. Natesan. 2018. Chapter 14: Metabolic Potential and Biotechnological Importance of Plant Associated Endophytic Actinobacteria. *New and Future Developments in Microbial Biotechnology and Bioengineering*. pp. 207-224.
- Garg, N., K. Garg, and K. Mukerji. 2010. *Laboratory Manual of Food Microbiology*. I.K. International Publishing House Pvt. Ltd. New Delhi. pp. 17-24.
- Gayathri, S., D. Saravanan, M. Radhakrishnan, R. Balagurunathan, and K. Kathiresan. 2010. Bioprospecting Potential of Fast Growing Endophytic Bacteria From Leaves Of Mangrove And Salt-Marsh Plant Species. *Indian Journal Biotechnology*, 9 : 397-402.
- Gilman, G. 2012. *Goodman dan Gilman Dasar Farmakologi Terapi*. Ed 10. Jakarta, EGC.
- Glick, B. 2012. *Plant Growth-Promoting Bacteria: Mechanisms And Applications*. Scientifica.
- Gouda, S., G. Das, S. Sen, H. Seung, and J. Kumar. 2016. Endophytes: A Treasure House of Bioactive Compounds of Medicinal Importance. *Frontiers in Microbiology*. pp:1-8.

- Guiry, M. and G. Guiry. 2014. Algaebase. World-Wide Electronic Publication. National University Of Ireland, Galway. <http://Www.Algaebase.Org> Searched. 11/09/2018. pp.1.
- Gullett, N., A. Ruhul, S. Bayraktar, J. Pezzuto, D. Shin, F. Khuri, et al. 2010. Cancer Prevention With Natural Compounds. *Semin Oncol*, 37(3):258-281.
- Gupta, S., N. Muzyka, E. Lepekhina, and O. Oktyabrsky. 2016. Roles of The Glutathione- and Thioredoxin-Dependent Systems in the *Escherichia coli* Response to Ciprofloxacin And Ampicillin. *Arch. Microbiol*, 198: 913-921.
- Hamzah, M., H. Simbala, dan A. Yudistira. 2018. Pengujian Aktivitas Antibakteri dan Identifikasi Secara Molekuler Menggunakan Gen 16s Rrna Bakteri Symbion Endofit Yang Diisolasi dari Alga Merah (*Galaxaura rugosa*). *Jurnal Ilmiah Farmasi*, 7(3): 294-301.
- Hanani, E. 2014. Analisis Fitokimia. Jakarta: Penerbit Buku Kedokteran. pp. 65-227.
- Hasanuddin. 2003. Peningkatan peranan mikroorganisme dalam sistem pengendalian penyakit tumbuhan secara terpadu. Jurusan Hama dan Penyakit Tumbuhan, Fakultas Pertanian, Universitas Sumatera Utara.
- Hasselström, L., W. Visch, F. Gröndahl, Göran M., and H. Pavia. 2018. The Impact of Seaweed Cultivation on Ecosystem Services - A Case Study from The West Coast of Sweden. *Marine Pollution Bulletin*, 133: 53–64.
- Hendra, R., S. Ahmad, A. Sukari, M. Shukor, and E. Oskoueian. 2011. Flavonoid Analyses and Antimicrobial Activity of Various Parts of *Phaleria Macrocarpa* (Scheff.) Boerl fruit. *Int J Mol Sci*, 12: 3422 – 3431.
- Hudzicki, J. 2009. Kirby-Bauer Disk Diffusion Susceptibility Test Protocol. American Society for Microbiology, pp: 1-24.
- Ismail, Y., Y. Cut, dan Putriani. 2017. Isolasi, Karakterisasi dan Uji Aktivitas Antimikroba Bakteri Asam Laktat dari Fermentasi Biji Kakao (*Theobroma cacao* L.). *Bioleuser*, 1 (2): 45-53.
- Janakidevi, V., M. Yokeshbabu, R. Umarani, and A. Kumarguru. 2013. Antagonistic Activity Of Seaweed Associated Bacteria Against Human Pathogens. *International Journal Cur Micobiology*, 2:140–147.
- Jawetz, E., J. Melnick, and E. Adelberg. 2005. Mikrobiologi Kedokteran. Jakarta: Salemba Medika. pp. 63-264.
- Jorgensen, J. and J. Turnidge. 2007. Susceptibility Test Methods: Dilution and Disk Diffusion Methods, pp. 1152–1172.

- Kanagasabhapathy, M., H. Sasaki, and S. Nagata. 2008. Phylogenetic Identification Of Epibiotic Bacteria Possessing Antimicrobial Activities Isolated From Red Algal Species of Japan. *World Journal Microbiol Biotechnol*, 24:2315–2321.
- Kandel, S., J. Pierre, and S. Doty. 2017. Bacterial Endophyte Colonization and Distribution within Plants. *Microorganisms*. 5(4):77.
- Kayser, F. 2005. *Medical Microbiology*. New York: Thieme Stuttgart. pp. 187-295.
- Kemalaputri, D., S. Jannah, Dan A. Budiharjo. 2017. Deteksi MRSA (Methicillin Resistant *Staphylococcus aureus*) pada Pasien Rumah Sakit dengan Metode MALDI-TOF MS dan MULTIPLEX PCR. *Jurnal Biologi*, 6(4): 51-61.
- Kementerian Kelautan dan Perikanan. 2013. *Buku Saku: Informasi Rumput Laut*. Direktorat Usaha dan Investasi Direktorat Jenderal Pengolahan dan Pemasaran Hasil Perikanan.
- Lantah, P., L. Montolalu, dan A. Reo. 2017. Kandungan Fitokimia dan Aktivitas Antioksidan Ekstrak Metanol Rumput Laut *Kappaphycus alvarezii*. *Jurnal Media Teknologi Hasil Perikanan*, 5(3): 167-173.
- Lantah, P., L. Montolalu, dan A. Reo. 2017. Kandungan Fitokimia dan Aktivitas Antioksidan Ekstrak Metanol Rumput Laut *Kappaphycus alvarezii*. *Jurnal Media Teknologi Hasil Perikanan*, 5(3) : 167-173.
- Leliaert, F., D. Smith, H. Moreau, M. Herron., H. Verbruggen, C. Delwiche, and O. Clerck. 2012. Phylogeny and Molecular Evolution Of Green Algae. *Crit. Rev. Plant Sci*, 31: 1–46.
- Li, W. and Z. Liu. 2003. Review in the Studies on Tannins Activity of Cancer Prevention and Anticancer. *Zhong Yao Cai*, 26(6): 444-448.
- Madduluri, S., R Babu. and B. Sitaram.. 2013. In Vitro Evaluation of Antibacterial Activity of Five Indigenous Plants Extract Against Five Bacterial Pathogens of Human. *International Journal of Pharmacy and Pharmaceutical Sciences*, 5(4): 679-684.
- Madigan, M. 2005. *Brock Biology of Microorganism*. London: PrenticeHall. pp. 753.
- Madigan, M., J Martinko, D. Stahl, and D. Clark. 2012. *Brock Biology of Microorganism 13th*. Ed. Benjamin Cummings: San Fransisco. 1155 pp.
- Martelli, G. and D. Giacomini. 2018. Antibacterial and Antioxidant Activities for Natural And Synthetic Dual-Active Compounds. *European Journal of*
- SKRIPSI PENAPISAN BAKTERI ENDOFIT RUMPUT... TISA AYU N.

Medicinal Chemistry. pp. 1-39.

Morii, H., and K. Kentaro. 1997. Motile Enterococci Isolated from Fishery Products. *Fisheries Science*, 63 (2): 188-193.

Moubayed, N., H. Jawad, M. Khulaifi, and D. Farraj. 2017. Antimicrobial, Antioxidant Properties and Chemical Composition Of Seaweeds Collected From Saudi Arabia (Red Sea and Arabian Gulf). *Saudi Journal Of Biological Sciences*, 24: 162-169.

Mycek, M. 2001. Antimicrobial and Cytotoxic Activity of Five Algae. Edisi 2. Widya Medika :Jakarta.

Nemeth, J., G. Oesch, and S. Kuster. 2015. Bacteriostatic Versus Bactericidal Antibiotics For Patients With Serious Bacterial Infections: Systematic Review and Meta-Analysis. *Journal Antimicrobial Chemotherapy*, 70: 382-395.

Nimmer, P., M. Beer., and J. Mckillip. 2014. *Bacillus cereus*: A Bacterial Species of Environmental and Clinical Significance. *Journal of the Liberal Arts and Sciences*, 18(2):21-32.

Novita, W. 2016. Uji Aktivitas Antibakteri Fraksi Daun Sirih (*Piper betle L*) Terhadap Pertumbuhan Bakteri *Streptococcus Mutans* Secara In Vitro. *Jambi Medical Journal*, 4(2): 140 – 155.

Nuria, M., Faizaitun, Arvin, dan Sumantri. 2009. Uji Aktivitas Antibakteri Ekstrak Etanol Daun Jarak Pagar (*Jatropha curcas L*) Terhadap Bakteri *Staphylococcus aureus* ATCC 25923, *Escherichia coli* ATCC 25922, dan *Salmonella typhi* ATCC 1408. *Mediagro*, 5(2):26-37.

Palczar, J. dan Chan E. 1998. Dasar-dasar Mikrobiologi 2. Jakarta: Penerbit UI Press.

Parsaeimehr, A. and Lutz. 2016. Chapter 18: Algae As A Novel Source of Antimicrobial Compounds: Current and Future Perspectives. *Antibiotic Resistance*. pp. 377-396.

Parsaeimehr, A. and Y. Chen. 2013. Algal Bioactive Diversities Against Pathogenic Microbes. *Microbiol Book Ser*, 4:796-802.

Pechsiri, J., J. Thomas, E. Risén, M. Ribeiro, M. Malmström, G. Nylund, A. Jansson, U. Welander, H. Pavia, and F. Gröndahl. 2016. Energy Performance

- and Greenhouse Gas Emissions of Kelp Cultivation for Biogas and Fertilizer Recovery in Sweden. *Sci. Total Environ*, 573: 347–355.
- Penesyany, A., S. Kjelleberg, and S. Egan. 2010. Development Of Novel Drugs From Marine Surface Associated Microorganisms. *Marine Drugs*, 8: 438–459.
- Peraturan Menteri Kesehatan Republik Indonesia Nomor 2406/Menkes/Per/Xii/2011 Tentang Pedoman Umum Penggunaan Antibiotik.
- Popper, Z., G. Michel, C. Hervé, D. Domozych, W. Willats, M. Tuohy, et al. 2011. Evolution and Diversity of Plant Cell Walls: From Algae To Flowering Plants. *Annu Rev Plant Biol*, 62:567-590.
- Priyadharshini, S., S. Bragadeeswaran, K. Prabhu, and S. Ran. 2011. Antimicrobial and Hemolytic Activity of Seaweed extracts *Ulva fasciata* (Delile 1813) from Mandapam, Southeast coast of India. *Asian Pacific Journal of Tropical Biomedicine*, 1(1): 37–39.
- Raaijmakers, J., I. De Bruijn, O. Nybroe, and M. Ongena. 2010. Natural Functions of Lipopeptides From *Bacillus* and *Pseudomonas*: More Than Surfactants And Antibiotics. *FEMS Microbiol*.
- Raharja, E., S. Budi, dan Sarjito. 2016. Pengaruh Konsentrasi Konsorsium Bakteri K7, K8, dan K9 Terhadap Status Kesehatan Rumput Laut (*Euचेuma cottonii*). *Journal of Aquaculture Management and Technology*, 5(1): 108-115.
- Rahayu, S. dan M. Hidayat. 2017. Uji Cemarkan Air Minum Masyarakat Sekitar Margahayu Raya Bandung dengan Idenfitikasi Bakteri *Escherichia coli*. *IJPST*, 4 (2): 50-56.
- Rajivgandhi, G., M. Marudupandy, T. Muneeswaran, M. Anand, and N. Manoharan. 2018. Antibiofilm Activity of Zinc Oxide Nanosheets (ZnO NSs) Using *Nocardiopsis* sp. GRG1 (KT235640) against MDR strains of Gram Negative *Proteus mirabilis* and *Escherichia coli*. *Process Biochem*, 67: 8-18.
- Ramachandran, G., G. Rajivgandhi, M. Maruthupandy, and N. Manoharan. 2019. Extraction and Partial Purification of Secondary Metabolites from Endophytic Actinomycetes of Marine Green Algae *Caulerpa racemosa* against *Multi Drug Resistant Uropathogens*. *Biocatalysis and Agricultural Biotechnology*, 17: 750–757.

- Ramachandran, G., G. Rajivgandhi, M. Maruthupandy, and N. Manoharan. 2018. Isolation and Identification of Antibacterial Compound from Marine Endophytic Actinomycetes against Multi Drug Resistant Bacteria. *Annals of Microbiology and Immunology*, 1(1): 1-6.
- Rau, C., A. Yudistira, dan H. Simbala. 2018. Isolasi, Identifikasi Secara Molekuler Menggunakan Gen 16s Rrna, dan Uji Aktivitas Antibakteri Bakteri Simbion Endofit yang Diisolasi dari Alga *Halimeda opuntia*. *Jurnal Ilmiah Farmasi*, 7 (2):53.61.
- Rintelen, K., E. Arida, and C. Häuser. 2017. Review of Biodiversity Related Issues and Challenges in Megadiverse Indonesia and Other Southeast Asian Countries. *Research Ideas and Outcomes*, 3: 1-16.
- Rodriguez, P., D. Gonzalez, and S. Giordano . 2017. Endophytic Microorganisms: A Source Of Potentially Useful Biocatalysts. *Journal Of Molecular Catalysis B: Enzymatic*.
- Rohmah, S. dan L. Sulistyorini. 2017. Gambaran Konsumsi Udang Berklorin Terhadap Keluhan Kesehatan Gastrointestinal Pekerja Sub Kontrak Perusahaan X. *Jurnal Kesehatan Lingkungan*, 9(1): 57–65.
- Shanab, S., S. Mostafa, E. Shalaby, and G. Mahmoud. 2012. Aqueous Extracts of Microalgae Exhibit Antioxidant and Anticancer Activities. *Asian Pac J Trop Biomed*, 2(8):608-615.
- Sihombing, M., H. Simbala, dan A. Yudistira. 2018. Isolasi, Identifikasi Secara Molekuler Menggunakan Gen 16s Rrna dan Uji Aktivitas Antibakteri dari Bakteri Simbion Endofit Alga *Padina* sp. *Jurnal Ilmiah Farmasi*, 7(2): 42-52.
- Suharyono. 2008. *Diare Akut Klinik Laboratorik*. Jakarta: PT Rineka Cipta.
- Sukmawaty, E., M. Masri, S. Utami, Dan , Nurzakayah. 2016. Aktivitas Antibakteri Ekstrak dan Bakteri Endofit Makro Alga *Caulerpa racemosa* L. Asal Perairan Puntondo Terhadap *Staphylococcus aureus* dan Methicilin Resistant *Staphylococcus aureus* (MRSA). *Prosiding Seminar Nasional from Basic Science to Comprehensive Education*. pp: 174-179.
- Sunarno, F. Muna, N. Fitri, A. Malik, A. Karuniawati, dan A. Soebandrio. 2014. Metode Cepat Ekstraksi DNA *Corynebacterium diphtheriae* untuk Pemeriksaan PCR. *Buletin Penelitian Kesehatan*, 42(2) : 85 – 92.

- Suparmi and A. Sahri. 2009. Mengenal Potensi Rumput Laut: Kajian Pemanfaatan Sumber Daya Rumput Laut dari Aspek Industri dan Kesehatan. Sultan Agung, 44(118): 95-116.
- Susilowati, R., A. Sabdono, and I. Widowati. 2015. Isolation and Characterization of Bacteria Associated with Brown Algae *Sargassum* spp. From Panjang Island and Their Antibacterial. Procedia Environmental Sciences, 23: 240 – 246.
- Swarjana, I. 2012. Metodologi penelitian kesehatan. Andi. Yogyakarta
- Tan, R. and W. Zou. 2001. Endophytes: A Rich Source of Functional Metabolites. Natural Product Report, 18: 448-459.
- Taskin, E., M. Ozturk, and O. Kurt O. 2007. Antibacterial Activities of Some Marine Algae From The Aegean Sea (Turkey). Afr. J. Biotechnol., 6: 2746–2751.
- Thalib, A. 2011. Isolasi Bakteri Yang Terdapat Pada Kulit Udang. Jurnal Ilmiah Agribisnis dan Perikanan, 4(1):16-22.
- Tiwari, A., E. Michael, J. Domingo, and T. Pitkänen. 2016. Prevalence of Enterococcus species in the Baltic Sea Beaches of Finland. United State Environmental Protection Agency.
- Triana, D. 2014. Frekuensi β -Lactamase Hasil *Staphylococcus aureus* Secara Iodometri Di Laboratorium Mikrobiologi Fakultas Kedokteran Universitas Andalas. Jurnal Gradien, 10 (2) : 992-995.
- Uzair, B., F. Menna, B. Ali, F. Vali, V. Uddin, R. Djeribi, and B. Menna. 2018. Isolation, Purification, Structural Elucidation and Antimicrobial Activities of Kocumarin, a Novel Antibiotic Isolated from Actinobacterium Kocuria Marina CMG S2 associated with the Brown Seaweed *Pelvetia canaliculata*. Microbiological Research, 206:186–197.
- Wehr, J. 2015. Chapter 19: Brown Algae. Freshwater Algae Of North America. pp. 851-871.
- Yenny dan Elly. Resistensi dari Bakteri Enterik : Aspek Global Terhadap Antimikroba. Universa Medicina, 26(1): 46-56.
- Zen, N., E. Queljoe, and M. Singkoh. 2015. Uji Bioaktivitas Ekstrak *Padina australis* dari Pesisir Pantai Molas Sulawesi Utara Terhadap Bakteri *Staphylococcus epidermidis*. Jurnal Pesisir dan Laut Tropis , 2(1): 34-40.