

DAFTAR PUSTAKA

- Ansar, A., Rahman, A., & Yusuf, M. 2023. Karakteristik pertumbuhan bakteri laut pada variasi pH dan salinitas. *Jurnal Ilmu Kelautan Tropis*, 15(2), 89-98.
- Asharaf, S., Kumar, A., & Ramasamy, P. 2022. Seaweed-associated heterotrophic bacteria: Are they future novel sources of antimicrobial agents against drug-resistant pathogens? *Environmental Science and Pollution Research*, 29(22), 33657-33670. <https://doi.org/10.1007/s11356-022-19178-2>
- Asharaf, S., Nair, S., & Thomas, A. P. 2022. Diversity of Gram-positive bacteria associated with marine macroalgae. *Journal of Applied Phycology*, 34(1), 215-227.
- Atlas, R. M., & Bartha, R. 1998. *Microbial ecology: Fundamentals and applications* (4th ed.). Benjamin/Cummings.
- Azam, F., & Malfatti, F. (2007). Microbial structuring of marine ecosystems. *Nature Reviews Microbiology*, 5(10), 782–791. <https://doi.org/10.1038/nrmicro1747>
- Burgunter, A., Bernard, C., & Legrand, E. 2020. Host health determines disease susceptibility in seaweeds. *Frontiers in Marine Science*, 7, 573.
- Cappuccino, J. G., & Sherman, N. 1987. *Microbiology: A Laboratory Manual*. Benjamin Cummings.
- Cappuccino, J. G., & Sherman, N. 2014. *Microbiology: A laboratory manual* (10th ed.). Pearson Education
- Chen, X., Zhang, Y., & Li, J. 2023. *Nutrient limitation affects seaweed growth and biochemical composition under varying nitrogen and phosphorus ratios*. *Aquaculture Research*, 54(6), 2345–2356.
- Contribution of environmental and biological factors to bacterial networks and seasonal variation*. 2023. *PMC Article*
- Darmawan, R., Prasetyo, A., & Lestari, S. 2022. Pengaruh nitrat dan fosfat terhadap pertumbuhan rumput laut tropis. *Jurnal Akuakultur Indonesia*, 21(1), 45–54.
- Darmayanti, Y.A., N. Hatmanti, Farida. & Surahman. 2010. Studi hama penyakit laporan akhir penelitian pengembangan bibit unggul rumput laut. Pengelolaan kuliatas air serta hama dan penyakit. Proyek penelitian, pengembangan sumber daya laut dalam, pusat penelitian Oseanografi LIPI Jakarta.
- Díaz-Torres, E., Hernández-Guerrero, C. J., & Muñoz-Ochoa, M. 2022. *Seasonal dynamics of bacterial communities associated with macroalgae in tropical coastal environments*. *Microbial Ecology*, 84, 125–137.
- Fran, S., Harder, T., Burke, C., Steinberg, P., Kjelleberg, S., & Thomas, T. 2013. Bacteriophage: Understanding seaweed–bacteria interactions. *FEMS Microbiology Reviews*, 37(3), 462–476. <https://doi.org/10.1111/1574-6941.12444>
- Indekar, T., Heesemann, J., & Goebel, W. 2010. Carbon nanotubes as vectors for intracellular bacterial pathogens. *Molecular Microbiology*, 75(5), 1085–1095.



- El-Sersy, N. A., Abdelrazek, A. S., & Abou-Elwafa, M. M. 2021. *Physicochemical factors affecting bacterial isolates from green seaweeds*. Egyptian Journal of Aquatic Biology & Fisheries, 25(5), 261-274.
- Fenical, W., & Jensen, P. R. 2006. Developing a new resource for drug discovery: Marine actinomycete bacteria. *Nature Chemical Biology*, 2(12), 666–673. <https://doi.org/10.1038/nchembio841>
- Fitriani, S. 2022. *Isolasi dan identifikasi bakteri epifit pada rumput laut Gracilaria sp. di perairan Barru, Sulawesi Selatan*. Skripsi. Universitas Hasanuddin.
- Gadd, G. M. 2010. Metals, minerals and microbes: Geomicrobiology and bioremediation. *Microbiology*, 156(3), 609–643. <https://doi.org/10.1099/mic.0.037143-0>
- Head, I. M., Jones, D. M., & Röling, W. F. M. (2006). Marine microorganisms make a meal of oil. *Nature Reviews Microbiology*, 4(3), 173–182. <https://doi.org/10.1038/nrmicro1348>
- Hendri. 2021. Korelasi kandungan nitrat dan fosfat terhadap pertumbuhan Gracilaria sp. di tambak air payau. *Jurnal Sumberdaya Perairan*, 13(1), 31–38.
- Hovda, M. B., Lunestad, B. T., Fontanillas, R., & Rosnes, J. T. (2007). Molecular characterisation of the intestinal microbiota of farmed Atlantic cod (*Gadus morhua* L.). *Aquaculture*, 272(1–4), 581–588.
- Lee, J. H., Park, S., & Kim, C. J. 2006. *Phycococcus jejuensis sp. nov., isolated from seaweed at Jeju Island, Korea*. International Journal of Systematic and Evolutionary Microbiology, 56(2), 547–551..
- Liang, Y., Zhang, Y., & Chen, J. 2024. Dissolved oxygen thresholds for microbial activity in coastal waters. *Marine Pollution Bulletin*, 197, 115786.
- Lovley, D. R., Holmes, D. E., & Nevin, K. P. (2004). Dissimilatory Fe(III) and Mn(IV) reduction. *Advances in Microbial Physiology*, 49, 219–286.
- Madigan, M. T., Bender, K. S., Buckley, D. H., Sattley, W. M., & Stahl, D. A. 2018. *Brock biology of microorganisms* (15th ed.). Pearson.
- Mahardika, K., Mastuti, I., Septory, R., Roza, D., & Zafran, Z. 2021. Pola fluktuasi populasi bakteri di perairan pantai dan teluk pada sentra budidaya ikan laut di Bali Utara. *Jurnal Riset Akuakultur*, 16(1). Balai Riset Budidaya Laut & Penyuluhan Perikanan.
- Mancuso, M., Ferrante, M., & Caccamo, D. 2023. *Nutrient limitation and microbial symbioses in marine macroalgae under climate stress*. Marine Biotechnology, 25(2), 203–219.
- Massinai, A. 2016. Laju infeksi penyakit brown band disease dan bakteri asosiasi *Sphaeropyxis* sp. di Pulau Barranglompo, Makassar, Sulawesi Selatan. *Jurnal Riset Akuakultur*, 11(2): 21-25.
- Yang, Z., Shi, X., Yu, Y., & Shi, L. 2022. *Seasonal shifts in the habitats of bloom-forming cyanobacteria in Lake Chaohu, China*. *Journal of Great Lakes Research*, 48, 435.
- Norwood, R. A. 1995. Nitrogen control in bacteria. *Microbiological Reviews*, 59, 604-622.



- Moehammad, K. S., 2025. *Aplikasi bakteri probiotik Bacillus spp. terhadap kesehatan dan produksi organisme budidaya: Peranan kualitas DO*. *Journal of Fisheries and Marine Research*.
- Murphy., (2023). *Shifts in bacterioplankton community structure between dry and wet seasons in a tropical estuary strongly affected by riverine discharge*. *Science of the Total Environment*.
- Nichibuchi, M., Yasuda, M., & Ito, S. 2004. *Vibrio vulnificus associated with marine algae in Japanese coastal waters*. *Applied and Environmental Microbiology*, 70(3), 1531-1535.
- Niedzwiedz, S., et al. 2024. *Run-off impacts on Arctic kelp holobionts have strong effects on microbial communities and host chemistry*. *Scientific Reports*.
- Odum, E. P. 1993. *Dasar-dasar ekologi*. Gadjah Mada University Press.
- OSPAR. 2017. *Assessment of oxygen concentrations in marine waters*. OSPAR Commission.
- Peng, X., Zhang, W., & Chen, Y. (2014). *Comparative analysis of bacterial abundance in pond environments under different feeding conditions*. *Scientific Reports*, 4, 35232.
- Putri, R. R., Widyorini, N., & Jati, O. E. (2021). *Analisis perbedaan kelimpahan bakteri heterotrof dengan kandungan bahan organik pada sedimen di ekosistem mangrove Trimulyo, Kecamatan Genuk, Kota Semarang*. *Jurnal Pasir Laut*, 5(1), 32–39.
- Ringo, E., Olsen, R. E., Gifstad, T. O., Dalmo, R. A., Amlund, H., Hemre, G. I., & Bakke, A. M. (2008). *Prebiotics in aquaculture: A review*. *Aquaculture Nutrition*, 16(2), 117–136.
- Ringo, E., Sperstad, S., Myklebust, R., Refstie, S., & Krogdahl, Å. (2006). *Characterisation of the microbiota associated with intestine of Atlantic salmon (Salmo salar L.)*. *Aquaculture*, 261(3), 829–841.
- Rosenberg, E., Koren, O., Reshef, L., Efrony, R., & Zilber-Rosenberg, I. 2007. *The role of microorganisms in coral health, disease and evolution*. *Nature Reviews Microbiology*, 5(5), 355–362.
- Saha, M., & Weinberger, F. 2019. *Microbial “gardening” by seaweeds: Interactions between seaweeds and associated microorganisms*. *Phycologia*, 58(5), 1-14
- Sam Ratulangi University. 2023. *Laporan kajian salinitas perairan pesisir untuk budidaya rumput laut*. Universitas Sam Ratulangi.
- Sawant, S. S., Khot, A. M., & Patil, A. V. 2024. *Nutrient dynamics and growth performance of tropical macroalgae*. *Aquatic Ecology*, 58, 145-159.
- Sharma, S., & Verma, A. 2024. *Halotolerant marine bacteria and their applications*. *Marine Biotechnology*, 26(1), 77-88.
- Siddiquy, C. R. K. 2014. *Seaweed–microbial interactions: Key applications*. *Applied Microbiology and Biotechnology*, 98(8), 3441–3452.
- SNI 4. 2004. *Cara uji kebutuhan oksigen kimia (COD) dengan metode pengisian oksigen*. Badan Standardisasi Nasional.



- Subaryono, S., Wibowo, S., & Prasetyo, A. 2018. Karakteristik bakteri Gram positif asosiasi rumput laut. *Jurnal Kelautan Nasional*, 13(3), 145-154.
- Sugita, H., Okano, R., Suzuki, Y., Iwai, D., Mizukami, M., & Akiyama, N. (1998). Antibacterial abilities of intestinal bacteria from larval and juvenile Japanese flounder (*Paralichthys olivaceus*). *Aquaculture*, 167(1–2), 83–90.
- Suryati, E., Hidayat, T., & Pringgenies, D. (2019). Bakteri epifit rumput laut *Kappaphycus striatus* sebagai penghasil senyawa antibakteri. *Jurnal Ilmu dan Teknologi Kelautan Tropis*, 11(3), 617–626.
- Tortora, G. J., Funke, B. R., & Case, C. L. (2019). *Microbiology: An introduction* (13th ed.). Pearson.
- Tortora, G. J., Funke, B. R., & Case, C. L. (2021). *Microbiology: An introduction* (13th ed.). Pearson.
- Van der Wielen, P. W. J. J., Bolhuis, H., & Heijnen, L. 2023. Mesophilic bacteria in marine environments. *Environmental Microbiology*, 25(7), 2431-2445.
- Waluyo, L. (2008). *Mikrobiologi umum*. UMM Press.
- Wang, Y., Zhang, H., & Xu, Z. 2024. *Dominant bacterial communities associated with Ulva fasciata and their functional roles in nutrient absorption*. *Frontiers in Marine Science*, 11, 1323456.
- Yulianti, N. M. A., & Indraningrat, A. A. G. 2024. Skrining aktivitas antibakteri *Bacillus* sp. PCAR1 dari rumput laut *Eucheuma spinosum* terhadap bakteri *Staphylococcus aureus*. *Aesculapius Medical Journal*, 4(1), 15-21.
- Yuspita, N. L. E., Putra, I. D. N. N., & Suteja, Y. 2018. *Bahan Organik Total dan Kelimpahan Bakteri di Perairan Teluk Benoa, Bali*. *Journal of Marine and Aquatic Sciences*, 4(1), 129–140.
- Zhang, Z., Song, L., & Zhang, Y. 2002. *Effect of temperature and pH on the growth of marine bacteria*. *Chinese Journal of Oceanology and Limnology*, 20(3), 273–278.

