

DAFTAR PUSTAKA

- Alotaibi, G. F. (2021). Factors Influencing Bacterial Biofilm Formation and Development. *American Journal of Biomedical Science & Research*, 12(6), 617–626. <https://doi.org/10.34297/ajbsr.2021.12.001820>
- Bérdy, J. (2012). Thoughts and facts about antibiotics: Where We Are Now and Where We Are Heading. In *Journal of Antibiotics* (Vol. 65, Issue 8, pp. 385–395). Nature Publishing Group. <https://doi.org/10.1038/ja.2012.27>
- Camesi, A. B. R., Lukito, A., Waturangi, D. E., & Kwan, H. J. (2016). Screening of Antibiofilm Activity from Marine Bacteria against Pathogenic Bacteria. *Microbiology Indonesia*, 10(3), 87–94. <https://doi.org/10.5454/mi.10.3.2>
- Camp, J. E., Nyamini, S. B., & Scott, F. J. (2020). Cyrene™ is a green alternative to DMSO as a solvent for antibacterial drug discovery against ESKAPE pathogens. *RSC Medicinal Chemistry*, 11(1), 111–117. <https://doi.org/10.1039/c9md00341j>
- Dewanata, P. A., & Mushlih, M. (2021). Differences in DNA Purity Test Using UV-Vis Spectrophotometer and Nanodrop Spectrophotometer in Type 2 Diabetes Mellitus Patients. *Indonesian Journal of Innovation Studies*, 15. <https://doi.org/10.21070/ijins.v15i.553>
- Gastropods, T., Meyer, C. P., Geller, J. B., & Paulay, G. (2005). Fine Scale Endemism on Coral Reefs: Archipelagic Differentiation in. In *Source: Evolution* (Vol. 59, Issue 1). <http://www.jstor.orgURL:http://www.jstor.org/stable/3449001>
- Gonzalez, I., Ayuso-Sacido, A., Anderson, A., & Genilloud, O. (2005). Actinomycetes isolated from lichens: Evaluation of their diversity and detection of biosynthetic gene sequences. *FEMS Microbiology Ecology*, 54(3), 401–415. <https://doi.org/10.1016/j.femsec.2005.05.004>
- Haney, E. F., Trimble, M. J., & Hancock, R. E. W. (2021). Microtiter plate assays to assess antibiofilm activity against bacteria. In *Nature Protocols* (Vol. 16, Issue 5, pp. 2615–2632). Nature Research. <https://doi.org/10.1038/s41596-021-00515-3>
- Harper, L. R., Neave, E. F., Sellers, G. S., Cunnington, A. V., Arias, M. B., Craggs, J., MacDonald, B., Riesgo, A., & Mariani, S. (2023). Optimized DNA isolation from marine sponges for natural samplerDNA metabarcoding. *Environmental DNA*, 5(3), 438–461. <https://doi.org/10.1002/edn3.392>

- Hodiamont, C. J., van den Broek, A. K., de Vroom, S. L., Prins, J. M., Mathôt, R. A. A., & van Hest, R. M. (2022). Clinical Pharmacokinetics of Gentamicin in Various Patient Populations and Consequences for Optimal Dosing for Gram-Negative Infections: An Updated Review. In *Clinical Pharmacokinetics* (Vol. 61, Issue 8, pp. 1075–1094). Adis. <https://doi.org/10.1007/s40262-022-01143-0>
- Indraningrat, A. A. G., Smidt, H., & Sipkema, D. (2016). Bioprospecting sponge-associated microbes for antimicrobial compounds. In *Marine Drugs* (Vol. 14, Issue 5). MDPI AG. <https://doi.org/10.3390/md14050087>
- Izzati, F., Warsito, M. F., Bayu, A., Prasetyoputri, A., Atikana, A., Sukmarini, L., Rahmawati, S. I., & Putra, M. Y. (2021). Chemical diversity and biological activity of secondary metabolites isolated from Indonesian marine invertebrates. In *Molecules* (Vol. 26, Issue 7). MDPI AG. <https://doi.org/10.3390/molecules26071898>
- Jalali, M., Zaborowska, J., & Jalali, M. (2017). The Polymerase Chain Reaction: PCR, qPCR, and RT-PCR. In *Basic Science Methods for Clinical Researchers* (pp. 1–18). Elsevier Inc. <https://doi.org/10.1016/B978-0-12-803077-6.00001-1>
- Kaari, M., Manikkam, R., & Baskaran, A. (2022). Exploring Newer Biosynthetic Gene Clusters in Marine Microbial Prospecting. *Marine Biotechnology*, 24(3), 448–467. <https://doi.org/10.1007/s10126-022-10118-y>
- Larasati, S. J. H., Trianto, A., Radjasa, O. K., & Sabdono, A. (2023). "Bacterial Diversity of The Gorgonian Coral Plexaura sp. : Screening For Anti-Pathogenic Against Nosocomial Pathogenic Acetobacter baumani ". *International Journal of Conservation Science*, 14(1), 341–350. <https://doi.org/10.36868/IJCS.2023.01.24>
- Lee, P. Y., Costumbrado, J., Hsu, C.-Y., & Kim, Y. H. (2012). Agarose Gel Electrophoresis for the Separation of DNA Fragments. *Journal of Visualized Experiments*, 62. <https://doi.org/10.3791/3923>
- Li, P., Lu, H., & Zhang, Y. (2023). The natural products discovered in marine sponge-associated microorganisms: structures, activities, and mining strategy. In *Frontiers in Marine Science* (Vol. 10). Frontiers Media S.A. <https://doi.org/10.3389/fmars.2023.1191858>
- Maftichah, Winaya, A., & Zainudin, A. (2014). *Teknik Dasar Analisis Biologi Molekuler* (A. Ikhwan, Ed.). Deepublish.

- Michael Blaber. (2023, October 10). *Gel Electrophoresis*. Libretexts Biology.
- Moffitt, M. C., & Neilan, B. A. (2001). On the presence of peptide synthetase and polyketide synthase genes in the cyanobacterial genus *Nodularia*. *FEMS Microbiology Letters*, *196*(2), 207–214. <https://doi.org/10.1111/j.1574-6968.2001.tb10566.x>
- Mohanty, I., Podell, S., Biggs, J. S., Garg, N., Allen, E. E., & Agarwal, V. (2020). Multi-Omic Profiling of Melophlus Sponges Reveals Diverse Metabolomic and Microbiome Architectures that Are Non-overlapping with Ecological Neighbors. *Marine Drugs*, *18*(2), 124. <https://doi.org/10.3390/md18020124>
- Neave, E. F., Cai, W., Arias, M. B., Harper, L. R., Riesgo, A., & Mariani, S. (2023). Trapped DNA fragments in marine sponge specimens unveil North Atlantic deep-sea fish diversity. *Proceedings of the Royal Society B: Biological Sciences*, *290*(2005). <https://doi.org/10.1098/rspb.2023.0771>
- Nugraha, A. S., Firli, L. N., Rani, D. M., Hidayatiningsih, A., Lestari, N. D., Wongso, H., Tarman, K., Rahaweman, A. C., Manurung, J., Ariantari, N. P., Papu, A., Putra, M. Y., Pratama, A. N. W., Wessjohann, L. A., & Keller, P. A. (2023). Indonesian marine and its medicinal contribution. In *Natural Products and Bioprospecting* (Vol. 13, Issue 1). Springer. <https://doi.org/10.1007/s13659-023-00403-1>
- P, P., R, E., & R, E. (2002). Drugs from the seas - current status and microbiological implications. *Applied Microbiology and Biotechnology*, *59*(2–3), 125–134. <https://doi.org/10.1007/s00253-002-1006-8>
- Sarker, S. D. (2012). *An Introduction to Natural Products Isolation* (pp. 1–25). https://doi.org/10.1007/978-1-61779-624-1_1
- Sauer, K., Stoodley, P., Goeres, D. M., Hall-Stoodley, L., Burmølle, M., Stewart, P. S., & Bjarnsholt, T. (2022). The biofilm life cycle: expanding the conceptual model of biofilm formation. *Nature Reviews Microbiology*, *20*(10), 608–620. <https://doi.org/10.1038/s41579-022-00767-0>
- Singh, M., Chaudhary, S., & Sareen, D. (2017). Non-ribosomal peptide synthetases: Identifying the cryptic gene clusters and decoding the natural product. *Journal of Biosciences*, *42*(1), 175–187. <https://doi.org/10.1007/s12038-017-9663-z>
- Stowe, S. D., Richards, J. J., Tucker, A. T., Thompson, R., Melander, C., & Cavanagh, J. (2011). Anti-Biofilm Compounds Derived from Marine Sponges. *Marine Drugs*, *9*(10), 2010–2035. <https://doi.org/10.3390/md9102010>

- Sukmarini, L., Atikana, A., Warsito, M., Prasetyoputri, A., Handayani, I., Untari, F., & Ratnakomala, S. (2021). *Pengembangan Antibiotik Jenis Baru dari Actinomycetes Indonesia dengan Pendekatan Genome Mining: Skrining Resistensi Terhadap Antibiotik, Identifikasi Biosynthetic Gene Clusters (BGCs) dan Komparasi TAG Sekuen Gen Resisten dan Sekuen BGCs*.
- Summer, K., Browne, J., Hollanders, M., & Benkendorff, K. (2022). Out of control: The need for standardised solvent approaches and data reporting in antibiofilm assays incorporating dimethyl-sulfoxide (DMSO). *Biofilm*, 4, 100081. <https://doi.org/10.1016/j.bioflm.2022.100081>
- Varijakzhan, D., Loh, J.-Y., Yap, W.-S., Yusoff, K., Seboussi, R., Lim, S.-H. E., Lai, K.-S., & Chong, C.-M. (2021). Bioactive Compounds from Marine Sponges: Fundamentals and Applications. *Marine Drugs*, 19(5), 246. <https://doi.org/10.3390/md19050246>
- Voigt, O., & Wörheide, G. (2016). A short LSU rRNA fragment as a standard marker for integrative taxonomy in calcareous sponges (Porifera: Calcarea). *Organisms Diversity & Evolution*, 16(1), 53–64. <https://doi.org/10.1007/s13127-015-0247-1>
- Wei, Y., Zhang, L., Zhou, Z., & Yan, X. (2018). Diversity of Gene Clusters for Polyketide and Nonribosomal Peptide Biosynthesis Revealed by Metagenomic Analysis of the Yellow Sea Sediment. *Frontiers in Microbiology*, 9. <https://doi.org/10.3389/fmicb.2018.00295>
- World Health Organization. (2021, November). *Antimicrobial Resistance*. WHO.
- Yahya, M. F. Z. R., Alias, Z., & Karsani, S. A. (2018). Antibiofilm activity and mode of action of DMSO alone and its combination with afatinib against Gram-negative pathogens. *Folia Microbiologica*, 63(1), 23–30. <https://doi.org/10.1007/s12223-017-0532-9>
- Yang, Q., Franco, C. M. M., & Zhang, W. (2015). Sponge-associated actinobacterial diversity: validation of the methods of actinobacterial DNA extraction and optimization of 16S rRNA gene amplification. *Applied Microbiology and Biotechnology*, 99(20), 8731–8740. <https://doi.org/10.1007/s00253-015-6875-8>
- Zhang, Q.-W., Lin, L.-G., & Ye, W.-C. (2018). Techniques for extraction and isolation of natural products: a comprehensive review. *Chinese Medicine*, 13(1), 20. <https://doi.org/10.1186/s13020-018-0177-x>