

DAFTAR PUSTAKA

- Abidin, A. Z., Renjana, E., Fatimah, F., & Ni'matuzahroh, N. M. (2019). Uji Toleransi Logam Berat Bakteri Hidrokarbonoklastik dan Uji Kemampuan *Micrococcus* sp. LII61 dalam Menurunkan Kromium (Cr VI), Tembaga (Cu II), Seng (Zn II). *Bioedukasi: Jurnal Pendidikan Biologi*, 12(1), 66-73.
- Aboul-Maaty, N. A.-F., & Oraby, H. A.-S. (2019). Extraction of High-quality Genomic DNA from Different Plant Orders Applying a Modified CTAB-based Method. *Bulletin of the National Research Centre*, 43(1), 1–10.
- Alang, H., Utami, A. P., Jagad, N. J., Novita, N., & Ningsih, D. F. (2025). Analisis Aktivitas Antibakteri, Hemolisis Darah dan Identifikasi Molekuler Isolat DTP1. *Jurnal Media Analisis Kesehatan*, 16(1), 46-55.
- Alotaibi, B.S., Khan, M., and Shamin, S. (2021). Unraveling the Underlying Heavy Metal Detoxification Mechanism of *Bacillus* Species. *Microorganism*, 9(8), 16-28.
- Álvarez-Villa, A., Plascencia-Jatomea, M., Calderón, K., Arévalo-Niño, K., López-Avilés, G., & Almendariz-Tapia, F. J. (2025). Insights into the Thriving of *Bacillus megaterium* and *Rhodotorula mucilaginosa* in Mining Areas: Their Adaptation and Tolerance Under Extreme Levels of Cu and Mn. *Microbiology Research*, 16(7), 140.
- Alzahrani, O. M., Abo-Amer, A. E., & Mohamed, R. M. (2022). Improvement of Zn (II) and Cd (II) biosorption by *Priestia megaterium* PRJNA526404 isolated from agricultural waste water. *Microorganisms*, 10(12), 2510.
- Aslam, A., Kanwal, F., Javied, S., Nisar, N., & Torriero, A. A. J. (2025). Microbial biosorption: a sustainable approach for metal removal and environmental remediation. *International Journal of Environmental Science and Technology*, 22(13), 13245-13276.
- Asriatno, O., Alvionita, DN, Syarief, M., & Syamsuardi, DA (2025). Isolasi dan Uji Aktivitas Antibakteri Bakteri Rhizosfer Mangrove Terhadap *Escherichia coli* dan *Staphylococcus aureus*. *Jurnal Biologi Tropis* , 25 (4b), 421-428.
- Balouiri, M., Sadiki, M., & Ibnsouda, S. K. (2016). Methods for in vitro evaluating antimicrobial activity: A review. *Journal of pharmaceutical analysis*, 6(2), 71-79.

- Badjoeri, M. (2008). Isolasi dan Karakterisasi Bakteri Untuk Agen Bioremoval Logam Berat Merkuri. *Indonesian Journal of Biology*, 5(2), 83087.
- Buetas, E., Jordán-López, M., López-Roldán, A., D'Auria, G., Martínez-Priego, L., De Marco, G., ... & Mira, A. (2024). Full-length 16S rRNA gene sequencing by PacBio improves taxonomic resolution in human microbiome samples. *BMC genomics*, 25(1), 310.
- Barboza, N. R., Morais, M. M., Queiroz, P. S., Amorim, S. S., Guerra-Sá, R., & Leão, V. A. (2017). High manganese tolerance and biooxidation ability of *Serratia marcescens* isolated from manganese mine water in Minas Gerais, Brazil. *Frontiers in microbiology*, 8, 1946.
- Barco, R. A., Garrity, G. M., Scott, J. J., Amend, J. P., Nealson, K. H., & Emerson, D. (2020). A genus definition for bacteria and archaea based on a standard genome relatedness index. *MBio*, 11(1), 10-1128.
- Daris, U. S., Syam, H., & Sukainah, A. (2023). Uji Daya Hambat serta Penentuan *Minimum Inhibitor Concentration* (MIC) Dan *Minimum Bactericidal Concentration* (MBC) Ekstrak Daun Bidara Terhadap Bakteri Patogen. *Jurnal Pendidikan Teknologi Pertanian*, 9(2), 223-234.
- Deng, X., Chen, G., Zhang, C., Gao, X., Sun, B., & Shan, B. (2024). Manganese-modified biochar for sediment remediation: Effect, microbial community response, and mechanism. *Environmental Pollution*, 363, 125175.
- Desjardins, P., & Conklin, D. (2010). NanoDrop microvolume quantitation of nucleic acids. *Journal of visualized experiments: JoVE*, (45), 2565.
- Dowling, W. B., Van der Westhuyzen, M., Haumann, M., & Reddy, K. (2021). Non-toxicogenic *Vibrio cholerae* non-O1/non-O139 pseudo-bacteraemia in a neonate: A case report. *Southern African Journal of Infectious Diseases*, 36(1), 263.
- Estiningtyas, R., Negara, I P. S., Santosa, D. A., Sudiana, I M., Siallagan, Z. L., Ikhwan, A. Z. N., Idris., Kanti, A., Suyadi., dan Juliandi, B. 2022. Keragaman Bakteri Pendegradasi Polietilena di Hutan Mangrove Ambon. *Berita Biologi*, 21(3): 221-230.
- Fashola, M. O., Ngole-Jeme, V. M., & Babalola, O. O. (2016). Heavy metal pollution from gold mines: environmental effects and bacterial strategies for resistance. *International journal of environmental research and public health*, 13(11), 1047.

- Febria, F. A., Zulkhairiah, F., Walpajri, F., Putra, A., & Syukriani, L. (2023). Biofilm-Forming Heavy Metal Resistance Bacteria From Bungus Ocean Fisheries Port (PPS) West Sumatra as a Waters Bioremediation Agent. *Pakistan Journal of Biological Sciences: PJBS*, 26(4), 168-176.
- Feria-Cáceres, P. F., Penagos-Velez, L., & Moreno-Herrera, C. X. (2022). Tolerance and cadmium (Cd) immobilization by native bacteria isolated in cocoa soils with increased metal content. *Microbiology Research*, 13(3), 556-573.
- Franco-Duarte, R., Černáková, L., Kadam, S., S. Kaushik, K., Salehi, B., Bevilacqua, A., ... & Rodrigues, C. F. (2019). Advances in chemical and biological methods to identify microorganisms—from past to present. *Microorganisms*, 7(5), 130.
- Fu, F., & Wang, Q. (2019). *Removal of heavy metal ions from wastewaters: A review. Journal of Environmental Management*, 92(3), 407–418.
- Gajic, I., Kabic, J., Kekic, D., Jovicevic, M., Milenkovic, M., Mitic Culafic, D., ... & Opavski, N. (2022). Antimicrobial susceptibility testing: a comprehensive review of currently used methods. *Antibiotics*, 11(4), 427.
- Ghasemi, A., & Zahediasl, S. (2012). Normality tests for statistical analysis: a guide for non-statisticians. *International journal of endocrinology and metabolism*, 10(2), 486.
- Gillard, B., Chatzievangelou, D., Thomsen, L., & Ullrich, M. S. (2019). Heavy-metal-resistant microorganisms in deep-sea sediments disturbed by mining activity: An application toward the development of experimental in vitro systems. *Frontiers in Marine Science*, 6, 462.
- Gonzalez Henao, S., & Ghneim-Herrera, T. (2021). Heavy metals in soils and the remediation potential of bacteria associated with the plant microbiome. *Frontiers in Environmental Science*, 9, 604216.
- Götz, F., Bannerman, T., & Schleifer, K. H. (2006). The genera *staphylococcus* and *macrococcus*. *The prokaryotes*, 5.
- Grujić, S., Vasić, S., Radojević, I., Čomić, L., & Ostojić, A. (2017). Comparison of the *Rhodotorula mucilaginosa* biofilm and planktonic culture on heavy metal susceptibility and removal potential. *Water, Air, & Soil Pollution*, 228(2), 73.

- Gu, Y.G., Ning, J.J., Ke, C.L. & Huang, H.H. 2018. Bioaccessibility and human health implications of heavy metals in different trophic level marine organism: A case study of South China Sea. *Exotoxicology and Environmental Safety*, 16: 551-557.
- Gupta, R. S., Patel, S., Saini, N., & Chen, S. (2020). Robust demarcation of 17 distinct *Bacillus* species clades, proposed as novel *Bacillaceae* genera, by phylogenomics and comparative genomic analyses: description of *Robertmurraya kyonggiensis* sp. nov. and proposal for an emended genus *Bacillus* limiting it only to the members of the Subtilis and Cereus clades of species. *International journal of systematic and evolutionary microbiology*, 70(11), 5753-5798.
- Haghshenas, S. M. (2020). An exploratory view of water quality and sediment characteristics in Musa Estuary, the Persian Gulf. *arXiv preprint arXiv:2010.04669*.
- Hakiki, K. N., Sumarsono, S., & Sutardi, S. (2023). The Effect of Tillage's Types to the Growth and Production in the Various Upland Rice (*Oryza sativa* L.) Varieties on Sandy Lands. *Journal of Tropical Crop Science and Technology*, 5(2), 141-161.
- Hanina, H., dan Humaryanto, H. 2022. Comparison of Three Method of Dna Extraction for Methicillin Resistant *Staphylococcus aureus* (MRSA). *Jurnal Kedokteran dan Kesehatan*, 10(4): 551-556.
- Haryanti, E. T., & Martuti, N. K. T. (2020). Analisis Cemarkan Logam Berat Timbal (Pb) dan Kadmium (Cd) Dalam Daging Ikan Kakap Merah (*Lutjanus* sp.) Di TPI Kluwut Brebes. *Life Science*, 9(2), 149-160.
- Haryati, S., Hamzah, F., & Restuhadi, F. (2015). Uji Aktivitas Antibakteri Ekstrak Cangkang Kelapa Sawit (*Elaeis guineensis* Jacq.,) *Doctoral dissertation, Riau University*.
- Hassen, A, Saidi, N, Cherif, M, & Boudabus, A. (1998). Resistance of environmental bacteria to heavy metal. *Bioresource Technology*, 64 (1):7-15.
- Hassler, H. B., Probert, B., Moore, C., Lawson, E., Jackson, R. W., Russell, B. T., & Richards, V. P. (2022). Phylogenies of the 16S rRNA gene and its hypervariable regions lack concordance with core genome phylogenies. *Microbiome*, 10(1), 104.

- He, J., Dong, J., Wu, X., Fen, H., Kang, W., Wang, J., ... & Yan, W. (2025). Screening of manganese-resistant bacteria and their synergistic effect with *Koelreuteria paniculata* on remediation of manganese-contaminated soil. *Journal of Advanced Research*.
- Huang, Y., Yu, J., Huang, X., Sun, J., Tang, W., Wei, M., ... & Fu, Y. (2025). Algal-bacterial symbiotic system for treatment of heavy metal containing wastewater: performance, mechanisms and applications. *npj Clean Water*, 8(1), 86.
- Jakkamsetti, V., Ma, Q., Marin-Valencia, I., & Pascual, J. M. (2025). Pyruvate dehydrogenase, pyruvate carboxylase, Krebs cycle, and mitochondrial transport disorders. In Rosenberg's Molecular and Genetic Basis of Neurological and Psychiatric Disease (pp. 533-543). Academic Press.
- Johnson J.S., Spakowicz D.J., Hong B.-Y., Petersen L.M., Demkowicz P., Chen L., Leopold S.R., Hanson B.M., Agresta H.O., & Gerstein M. (2019). Evaluation of 16S rRNA Gene Sequencing for Species and Strain-Level Microbiome Analysis. *Nature communications*, 10(1), 1-11.
- Kaur, G., Kumar, V., Arora, A., Tomar, A., Ashish, Sur, R., & Dutta, D. (2017). Affected energy metabolism under manganese stress governs cellular toxicity. *Scientific reports*, 7(1), 11645.
- Kondakindi, V. R., Pabbati, R., Erukulla, P., Maddela, N. R., & Prasad, R. (2024). Bioremediation of heavy metals-contaminated sites by microbial extracellular polymeric substances—A critical view. *Environmental Chemistry and Ecotoxicology*, 6, 408-421.
- Kowalska-Krochmal, B., & Dudek-Wicher, R. (2021). The minimum inhibitory concentration of antibiotics: methods, interpretation, clinical relevance. *Pathogens*, 10(2), 165.
- Kumar, S., Stecher, G., dan Tamura, K. 2016. GA7: Molecular Evolutionary Genetics Analysis Version 7.0 for Bigger Datasets. *Molecular Biology and Evolution*, 33(7): 1870-1874.
- Lailiya, NR, Munir, M., Tyastirin, E., Pribadi, ET, & Faizah, H. (2022). Identifikasi bakteri toleran terhadap logam berat pb yang diisolasi dari udara dan sedimen di Sungai Porong, Sidoarjo. *Biotropik: Jurnal Biologi Tropis*, 6 (2), 33-43.
- Leonard, F. (2023). Konsentrasi logam berat besi (Fe), mangan (Mn), tembaga

- (Cu) pada perairan sungai radda. *Jurnal Penelitian Multidisiplin Ilmu*, 2(4), 2167-2172.
- Li, Q., Zhang, W., Liao, S., et al. (2023). Bioimmobilization of lead by *Bacillus subtilis* X3 biomass isolated from lead mine soil. *BMC Microbiology*, 23, 57.
- Lutz, Í., Miranda, J., Santana, P., Martins, T., Ferreira, C., Sampaio, I., ... & Gomes, G. E. (2023). Quality analysis of genomic DNA and authentication of fisheries products based on distinct methods of DNA extraction. *Plos one*, 18(2), e0282369.
- Maghembe, R. S., Mdoe, F. P., Makaranga, A., Mpemba, J. A., Mark, D., Mlay, C., ... & Mtewa, A. G. (2023). Complete genome sequence data of *Priestia megaterium* strain MARUCO02 isolated from marine mangrove-inhabited sediments of the Indian Ocean in the Bagamoyo Coast. *Data in Brief*, 48, 109119.
- Martin, J. E., & Waters, L. S. (2022). Regulation of bacterial manganese homeostasis and usage during stress responses and pathogenesis. *Frontiers in molecular biosciences*, 9, 945724.
- Mawardi, M., Indrawati, A., Lusiastuti, A. M., & Wibawan, I. W. T. (2023). Characterization of spore-forming bacteria isolated from tilapia (*Oreochromis niloticus*) and their potential for a probiotic candidate. *Indonesian Aquaculture Journal*, 18(2), 105-114.
- Mitra, S., Chakraborty, A. J., Tareq, A. M., Emran, T. B., Nainu, F., Khusro, A., ... & Simal-Gandara, J. (2022). Impact of heavy metals on the environment and human health: Novel therapeutic insights to counter the toxicity. *Journal of King Saud University-Science*, 34(3), 101865.
- Mokrani, S., Benouguef, Z., Houali, K., Bensidhoum, L., Derguini, A., Ibrahim, NA, ... & Nabti, EH (2026). Mekanisme Resistensi Strain *Bacillus* dan *Pseudomonas* Rizosfer Terhadap Kontaminasi Logam Berat (Cu, Cr dan Cd) dan Sifat Antifungalnya. *Mikroorganisme*, 14 (3), 644.
- Mukhi, S., Dhanashree, B., Srikantiah, R. M., Manjrekar, P., & Harish, S. (2023). Evaluation of minimum inhibitory concentration of heavy metals contained in packaging material digest on prominent gut microbiota. *International Journal of Food Science*, 2023(1), 3840795.
- Nguyen, V. K., Ha, M. G., Kang, H. Y., & Nguyen, D. D. (2020). Biological

manganese removal by novel halotolerant bacteria isolated from river water. *Biomolecules*, 10(6), 941.

Nies, D. H. (2016). The biological chemistry of the transition metal “transportome” of *Cupriavidus metallidurans*. *Metallomics*, 8(5), 481-507.

Nnaji, C. O., et al. (2024). *Mechanisms of Heavy Metal Tolerance in Bacteria: A Review. Sustainability*.

Noszczyńska, M., Łakomy, K., Nowacki, K., & Piotrowska-Seget, Z. (2020). A high manganese-tolerant *Pseudomonas* sp. strain isolated from metallurgical waste heap can be a tool for enhancing manganese removal from contaminated soil. *Applied Sciences*, 10(16), 5717.

Noviansyah, E., Batu, L., & Floranthus, D. T. (2021). Kandungan logam kadmium (Cd) pada air laut, sedimen, dan kerang hijau di perairan Tambak Lorok dan Perairan Morosari.

Pande, V., Pandey, S. C., Sati, D., Bhatt, P., & Samant, M. (2022). Microbial interventions in bioremediation of heavy metal contaminants in agroecosystem. *Frontiers in microbiology*, 13, 824084.

Pagnucco, G., Overfield, D., Chamlee, Y., Shuler, C., Kassem, A., Opara, S., ... & Tiquia-Arashiro, S. M. (2023). Metal tolerance and biosorption capacities of bacterial strains isolated from an urban watershed. *Frontiers in Microbiology*, 14, 1278886.

Prabawardani, D. R., Aprijanto, Prijambodo, T., Fauzi, I., Airawati, M. N., Al Hakim, B., Ariyanto, D., Santosa, M. A., Irfani, M., Prasetyo, R. B., Yulianto, F., Putri, N. C., Sukmana, C. I., Cholishoh, E., Aji, C. M., Kustiyanto, E., Wibawa, B., Rahili, N., & Sutopo, J. (2024). Port and coastal management against climate change: A case study of Tanjung Emas port Semarang, Central Java, Indonesia. *Revista de Gestão Costeira Integrada*.

Purba, D., Warouw, V., Rompas, R. M., Sumilat, D. A., Kreckhoff, R. L., dan Ginting, E. L. 2020. Analisis Komunitas Bakteri pada Sampah Plastik. *Jurnal Ilmiah Platax*, 8(2): 188-195.

Purnomo, E., Kusumaningrum, H. P., Budiharjo, A., & Lunggani, A. T. (2025). Tingkat Kontaminasi Tembaga dan Timbal pada Perairan Pelabuhan Tanjung Emas Semarang. *Jurnal Ilmu Lingkungan*, 23(5), 1378-1384.

- Ran, X., Zhu, Z., Long, H., Tian, Q., You, L., Wu, X., ... & Wang, J. (2021). Manganese stress adaptation mechanisms of *Bacillus safensis* strain ST7 from mine soil. *Frontiers in Microbiology*, 12, 758889.
- Rochyaton, E., Kaisupy, M. T., & Rozak, A. (2010). Distribusi logam berat dalam air dan sedimen di Perairan Muara Sungai Cisadane. *Makara Journal of Science*, 10(1), 27.
- Rodrigues, C. J., & de Carvalho, C. C. (2022). Cultivating marine bacteria under laboratory conditions: Overcoming the “unculturable” dogma. *Frontiers in bioengineering and biotechnology*, 10, 964589.
- Rohde, M. (2019). The Gram-positive bacterial cell wall. *Microbiology spectrum*, 7(3), 10-1128.
- Russo, C. A. D. M., & Selvatti, A. P. (2018). Bootstrap and rogue identification tests for phylogenetic analyses. *Molecular Biology and Evolution*, 35(9), 2327-2333.
- Sadeva, I. G. K. A., Budayanti, N. N. S., Hendrayana, M. A., & Sukrama, I. D. M. 2023. Uji daya hambat minyak atsiri kulit buah jeruk bali (*Citrus maxima*) terhadap bakteri *Pseudomonas aeruginosa*. *Intisari Sains Medis*. 14(1): 124-130.
- Sari, N. P., Iryani, D. A., Teguh, D., & Wulandari, Y. R. (2023). Pengaruh Konsentrasi Karbon Disulfida (Cs₂) Terhadap Kinerja Biosorben Selulosa Xanthate Untuk Penjerapan Logam Berat. *Jurnal Sains & Teknologi Lingkungan*, 15(2), 177-192.
- Siringoringo, V. T., Pringgenies, D., & Ambariyanto, A. (2022). Kajian Kandungan Logam Berat Merkuri (Hg), Tembaga (Cu), dan Timbal (Pb) pada *Perna viridis* di Kota Semarang. *Journal of Marine Research*, 11(3), 539-546.
- Sudarmawan, W. S., Suprijanto, J., & Riniatsih, I. (2020). Abu cangkang kerang *anadara granosa*, Linnaeus 1758 (Bivalvia: Arcidae) sebagai adsorben logam berat dalam air laut. *Journal of Marine Research*, 9(3), 237-244.
- Sumbodo, Y. M., Dewi, F. A., Kristiadi, O. H., Nur, A., Ayuningtyas, H. R., Zainuri, M., & Kusumaningrum, H. P. (2023). Isolation and Morphological Characterization of Lead Tolerant Bacteria Associated with *Perna viridis*. *Buletin Oseanografi Marina Oktober*, 12(3), 465-472.

- Sun, X., Xie, Y., Bi, Y., Liu, J., Amombo, E., Hu, T., & Fu, J. (2015). Comparative study of diversity based on heat tolerant-related morpho-physiological traits and molecular markers in tall fescue accessions. *Scientific Reports*, 5(1), 18213.
- Suprpto, D., Latifah, N., & Suryanti, S. (2021). Spatial distribution of heavy metal content in the water and green mussel (*Perna viridis*) in Semarang Bay, Indonesia. *Aquaculture, Aquarium, Conservation & Legislation*, 14(1), 298-308.
- Supriyantini, E., & Soenardjo, N. (2016). Kandungan logam berat timbal (Pb) dan tembaga (Cu) pada akar dan buah mangrove *Avicennia marina* di Perairan Tanjung Emas Semarang. *Jurnal Kelautan Tropis*, 18(2).
- Syuen, C. Z., Shahir, S., & Suhaimi, M. A. S. M. 2025. Isolation and Characterization of Manganese-resistant Biofilm-producing Bacteria from Sungai Tukang Batu.
- Tang, H., Xiang, G., Xiao, W., Yang, Z., & Zhao, B. (2024). Microbial mediated remediation of heavy metals toxicity: mechanisms and future prospects. *Frontiers in Plant Science*, 15, 1420408.
- Tangkearung, D. A. (2025). ANALISIS RISIKO LINGKUNGAN LOGAM BERAT TIMBAL (Pb) DAN TEMBAGA (Cu) DALAM AIR DAN SEDIMEN DI MUARA SUNGAI JENEBERANG KOTA MAKASSAR TAHUN 2025 (*Doctoral dissertation*, Universitas Hasanuddin).
- Taareluan, R. R., Wantania, L. L., Ginting, E. L., Mangindaan, R. E., Kumampung, D. R., Kreckhoff, R. L., & Wullur, S. (2020). AMPLIFIKASI GEN 16S-rRNA BAKTERI EPIFIT PADA ALGA MERAH *Kappaphycus alvarezii*. *JURNAL PESISIR DAN LAUT TROPIS*, 8(1), 116-121.
- Tebo, B. M., Johnson, H. A., McCarthy, J. K., & Templeton, A. S. (2005). Geomicrobiology of manganese (II) oxidation. *TRENDS in Microbiology*, 13(9), 421-428.
- Tengku, Mazuki, T. A., Zulkharnain, A., Subramaniam, K., Convey, P., Gomez-Fuentes, C., & Ahmad, S. A. (2020). Effects of zinc (Zn) and chromium (Cr) on the phenol-degrading bacteria growth kinetics. *Malaysian Journal of Biochemistry and Molecular Biology*, 23(1), 1-4.
- Tengku-Mazuki, T. A., Darham, S., Convey, P., Shaharuddin, N. A., Zulkharnain,

- A., Khalil, K. A., ... & Ahmad, S. A. (2024). Effects of heavy metals on bacterial growth parameters in degradation of phenol by an Antarctic bacterial consortium. *Brazilian Journal of Microbiology*, 55(1), 629-637.
- Ughy, B., Nagyapati, S., Lajko, D. B., Letoha, T., Prohaszka, A., Deeb, D., ... & Szilak, L. (2023). Reconsidering dogmas about the growth of bacterial populations. *Cells*, 12(10), 1430.
- Wang, F. (2022). Effect of long-term manganese exposure on oxidative stress, liver damage and apoptosis in grouper *Epinephelus moara* ♀ × *Epinephelus lanceolatus* ♂. *Frontiers in Marine Science*, 9, 1000282.
- Wibowo, M. A., Rahman, M., Mahyudin, I., & Fatmawati, F. (2022). Analisis Logam Berat (Mn, Pb, Cu, Fe) Pada Air dan Sedimen di Perairan Sungai Kuin Kota Banjarmasin. *EnviroScienteeae*, 18(2), 100-105.
- Wullur, S., Napitupulu, H., Wantania, L. L., Ginting, E. L., Warouw, V., Tilaar, S., Tallei, T. E., dan Rumengan, I. F. M. 2020. Molecular Identification of Bacteria Isolated from Culture Medium of Rotifer Fed on Fishery Waste Diet. *Biodiversitas Journal of Biological Diversity*, 21(6).
- Yahya, Y., Nursyam, H., Risjani, Y., & Soemarno, S. (2014). Karakteristik Bakteri Di Perairan Mangrove Pesisir Kraton Pasuruan. *ILMU KELAUTAN: Indonesian Journal of Marine Sciences*, 19(1), 35-42.
- Yang, H., Zhou, Q., Hu, J., Bao, Z., & Wang, M. (2024). A Chelex-100-based rapid DNA extraction method and its application in the detection of shrimp pathogens. *Electronic Journal of Biotechnology*, 70, 29-37.
- Yusfaddillah, A., Saputri, R. D., Edelwis, T. W., & Pardi, H. (2023). Heavy metal pollution in Indonesian waters. In *BIO Web of Conferences* (Vol. 79, p. 04001). EDP Sciences.
- Zoroddu, M. A., Aaseth, J., Crisponi, G., Medici, S., Peana, M., & Nurchi, V. M. (2019). The essential metals for humans: a brief overview. *Journal of inorganic biochemistry*, 195, 120-129.
- Zrimec, J., Rijavec, T., Zrimec, T., & Lapanje, A. (2013). Band smearing of PCR amplified bacterial 16S rRNA genes: Dependence on initial PCR target diversity. *Journal of microbiological methods*, 95(2), 186-194.