

DAFTAR PUSTAKA

- Abaramak, G., Kırtel, O., & Öner, E. T. (2020). Fructanogenic halophiles: A new perspective on extremophiles. *Physiological and Biotechnological Aspects of Extremophiles*, 123-130.
- Aiyer, K. S., Vijayakumar, B. S., & Vishwanathan, A. S. (2018). The enigma of biofilms. *Current Science*, 115(2), 204-205.
- Akbar, G. P., Kusdiyantini, E., & Wijanarka, W. (2019). Isolasi dan karakterisasi secara morfologi dan biokimia khamir dari limbah kulit nanas madu (*Ananas comosus* L.) untuk produksi bioetanol. *Berkala Bioteknologi*, 2(2).
- Akulava, V., Miamin, U., Akhremchuk, K., Valentovich, L., Dolgikh, A., & Shapaval, V. (2022). Isolation, physiological characterization, and antibiotic susceptibility testing of fast-growing bacteria from the sea-affected temporary meltwater ponds in the Thala Hills Oasis (Enderby Land, East Antarctica). *Biology*, 11(8), 1143.
- Al-Mailem, D. M., Kansour, M. K., & Radwan, S. S. (2014). Hydrocarbonoclastic biofilms based on sewage microorganisms and their application in hydrocarbon removal in liquid wastes. *Canadian journal of microbiology*, 60(7), 477-486.
- Al-Zamzami, I. M., Kilawati, Y., Pramudia, Z., Susanti, Y. A. D., & Kurniawan, A. (2023). Analysis of microbial abundances in biofilms and water in hypersaline environments with different NaCl levels. *The Journal of Experimental Life Science*, 13(2), 113-121.
- Alotaibi, G. F., & Bukhari, M. A. (2021). Factors influencing bacterial biofilm formation and development. *American Journal of Biomedical Science & Research*, 12(6), 617-626.
- Anggraini, W., Purwanto, D. A., Kusumawati, I., & Isnaeni, S. (2023). Influence of the environment on biofilm formation *Candida albicans* of vulvovaginal candidiasis isolate patient. *Pharmacognosy Journal*, 15(1).
- Anggiani, M., Kristanti, R. A., Hadibarata, T., Kurniati, T. H., & Shiddiq, M. A. (2024). Degradation of Polypropylene Microplastics by a Consortium of Bacteria Colonizing Plastic Surface Waste from Jakarta Bay. *Water, Air, & Soil Pollution*, 235(5), 1-11.
- Anshuman, K. P. (2023). Halophiles and its biofilm for hyper saline wastewater treatment. *Current Research in Life Sciences*, 6.

- Anwar, M. A., & Choi, S. (2014). Gram-negative marine bacteria: Structural features of lipopolysaccharides and their relevance for economically important diseases. *Marine Drugs*, *12*(5), 2485-2514.
- Arayes, M. A., Mabrouk, M. E., Sabry, S. A., & Abdella, B. (2021). Diversity and characterization of culturable haloalkaliphilic bacteria from two distinct hypersaline lakes in northern Egypt. *Biologia*, *76*, 751-761.
- Arief, M. C. W., Herawati, H., & Rahmawati, R. (2022). Determination of trophic status based on chlorophyll-a in Cikidang River Pangandaran, West Java–Indonesia. *Asian Journal of Fisheries and Aquatic Research*, *19*(6), 37-44.
- Arp, G., Reimer, A., & Reitner, J. (1999). Calcification in cyanobacterial biofilms of alkaline salt lakes. *European Journal of Phycology*, *34*(4), 393-403.
- Arslan, M., Tezcan, E., Camcı, H., & Avcı, M. K. (2021). Effect of DNA Concentration on Band Intensity and Resolution in Agarose Gel Electrophoresis. *Van Sağlık Bilimleri Dergisi*, *14*(3), 326-333.
- Bandopadhyay, S., & Shade, A. (2024). Soil bacteria and archaea. *Soil Microbiology, Ecology and Biochemistry*, 41-74
- Blakeman, J. T., Morales-García, A. L., Mukherjee, J., Gori, K., Hayward, A. S., Lant, N. J., & Geoghegan, M. (2019). Extracellular DNA provides structural integrity to a *Micrococcus luteus* biofilm. *Langmuir*, *35*(19), 6468-6475.
- Boadella, J., Butturini, A., Doménech-Pascual, A., Freixinos, Z., Perujo, N., Urmeneta, J., ... & Romani, A. M. (2024). Microbial life in Playa-Lake sediments: adapted structure, plastic function to extreme water activity variations. *Microbial Ecology*, *87*(1), 137.
- Brown, A. E., Smith, H. E. (2016). *Benson's microbiological applications: laboratory manual in general microbiology complete version* (12th ed). New York: McGraw-Hill.
- Brummaier, T., Hinfthong, P., Soe, N. L., Tongmanakit, J., Watthanaworawit, W., & Ling, C. (2020). *Brachybacterium nesterenkovi* isolated from a human blood culture—a first report. *New Microbes and New Infections*, *36*, 100699.
- Coelho da Costa Waite, C., Oliveira Andrade da Silva, G., Pires Bitencourt, J. A., Pereira Torres Chequer, L., Pennafirme, S., de Azevedo Jurelevicius, D., ... & Araújo Carlos Crapez, M. (2020). Potential application of *Pseudomonas stutzeri* W228 for removal of copper and lead from marine environments. *PLoS One*, *15*(10), e0240486.

- Coffey, B. M., & Anderson, G. G. (2014). Biofilm formation in the 96-well microtiter plate. *Pseudomonas Methods and Protocols*, 631-641.
- Costa, O. Y. A., Raaijmakers, J. M., & Kuramae, E. E. (2018). Microbial extracellular polymeric substances: ecological function and impact on soil aggregation. *Frontiers in Microbiology*, 9, 1636.
- Dang, H., & Lovell, C. R. (2015). Microbial surface colonization and biofilm development in marine environments. *Microbiology and Molecular Biology Reviews*, 80(1), 91-138.
- Davidson, R., & Del Campo, A. M. (2020). Combinatorial and computational investigations of neighbor-joining bias. *Frontiers in Genetics*, 11, 584785.
- De Boever, E., Brasier, A. T., Foubert, A., & Kele, S. (2017). What do we really know about early diagenesis of non-marine carbonates?. *Sedimentary Geology*, 361, 25-51.
- De Carvalho, C. C. (2018). Marine biofilms: a successful microbial strategy with economic implications. *Frontiers in Marine Science*, 5, 126.
- Devivilla, S., Stephen, J., Lekshmi, M., Kumar, S. H., & Nayak, B. B. (2019). Evaluation of modified Zobell marine agar for differential isolation of histamine-forming bacteria from fresh fish. *Journal of Microbiological Methods*, 163, 105649.
- Diba, H., Cohan, R. A., Salimian, M., Mirjani, R., Soleimani, M., & Khodabakhsh, F. (2021). Isolation and characterization of halophilic bacteria with the ability of heavy metal bioremediation and nanoparticle synthesis from Khara salt lake in Iran. *Archives of Microbiology*, 203, 3893-3903.
- Didari, M., Bagheri, M., Amoozegar, M. A., Bouzari, S., Babavalian, H., Tebyanian, H., ... & Ventosa, A. (2020). Diversity of halophilic and halotolerant bacteria in the largest seasonal hypersaline lake (Aran-Bidgol-Iran). *Journal of Environmental Health Science and Engineering*, 18, 961-971.
- Didienne, R., Defargues, C., Callon, C., Meylheuc, T., Hulin, S., & Montel, M. C. (2012). Characteristics of microbial biofilm on wooden vats ('gerles') in PDO Salers cheese. *International Journal of Food Microbiology*, 156(2), 91-101.
- Di Martino P. (2018). Extracellular polymeric substances, a key element in understanding biofilm phenotype. *AIMS Microbiology*, 4(2), 274-288.

- Dimitrakopoulou, M. E., Stavrou, V., Kotsalou, C., & Vantarakis, A. (2020). Boiling extraction method vs commercial kits for bacterial DNA isolation from food samples. *Journal of Food Science and Nutrition Research*, 3(4), 311-319.
- Ding, X. S., Zhao, B., An, Q., Tian, M., & Guo, J. S. (2019). Role of extracellular polymeric substances in biofilm formation by *Pseudomonas stutzeri* strain XL-2. *Applied Microbiology and Biotechnology*, 103, 9169-9180.
- Dmitrieva, N. G., Bocharnikova, E. N., & Ezhov, D. M. (2022). Induced Absorption Spectra of a Crystal Violet Dye. *Russian Physics Journal*, 64(11), 2089-2095.
- Dos Santos, H. R. M., Argolo, C. S., Argôlo-Filho, R. C., & Loguercio, L. L. (2019). A 16S rDNA PCR-based theoretical to actual delta approach on culturable mock communities revealed severe losses of diversity information. *BMC Microbiology*, 19, 1-14.
- Dubey, S. K., & Kashyap, A. K. (2022). Biofilm: a doable microbial continuum for the treatment of wastewater. *Microbial Consortium and Biotransformation for Pollution Decontamination*, 321-345.
- Dutta, B., & Bandopadhyay, R. (2022). Biotechnological potentials of halophilic microorganisms and their impact on mankind. *Beni-Suef University Journal of Basic and Applied Sciences*, 11(1), 75.
- Ekawati, N. (2020). Kelimpahan dan kandungan gizi biofilm sebagai alternatif pakan alami. *Jurnal Pendidikan Fisika dan Sains*, 3(2), 54-58.
- Erdönmez, D., Türkmen, K. E., & Aksöz, N. (2017). A new approach for quorum sensing system in several halophilic bacteria isolated from Salt Lake in Central Anatolia. *Hacettepe Journal of Biology and Chemistry*, 46(2), 177-185.
- Flemming, H. C., Wingender, J., Szewzyk, U., Steinberg, P., Rice, S. A., & Kjelleberg, S. (2016). Biofilms: an emergent form of bacterial life. *Nature Reviews Microbiology*, 14(9), 563-575.
- Gérard, E., De Goeyse, S., Hugoni, M., Agogué, H., Richard, L., Milesi, V., Guyot, F., et al. (2018). Key role of alphaproteobacteria and cyanobacteria in the formation of stromatolites of Lake Dziani Dzaha (Mayotte, Western Indian Ocean). *Frontiers in Microbiology*, 9, 796.
- Gomila, M., Mulet, M., García-Valdés, E., & Lalucat, J. (2022). Genome-Based Taxonomy of the Genus *Stutzerimonas* and Proposal of *S. frequens* sp. nov. and *S. degradans* sp. nov. and Emended Descriptions of *S. perfectomarina* and *S. chloritidismutans*. *Microorganisms*, 10(7), 1363.

- Golan, R., Gavrieli, I., Ganor, J., & Lazar, B. (2016). Controls on the pH of hypersaline lakes—a lesson from the Dead Sea. *Earth and Planetary Science Letters*, 434, 289-297.
- Gu, D., Jiao, Y., Wu, J., Liu, Z., & Chen, Q. (2017). Optimization of EPS production and characterization by a halophilic bacterium, *Kocuria rosea* ZJUQH from Chaka Salt Lake with response surface methodology. *Molecules*, 22(5), 814.
- Gu, L., Chen, Q., Guo, A., Liu, W., Ruan, Y., Zhang, X., & Nou, X. (2020). Differential effects of growth medium salinity on biofilm formation of two *Salmonella enterica* strains. *Journal of Food Protection*, 83(2), 196-203.
- Guillonnet, R., Baraquet, C., Bazire, A., & Molmeret, M. (2018). Multispecies biofilm development of marine bacteria implies complex relationships through competition and synergy and modification of matrix components. *Frontiers in Microbiology*, 9, 1960.
- Gozoua, E., Koffi-Nevry, R., & Blache, Y. (2019). Biofilm formation in marine bacteria and biocidal sensitivity: interplay between a potent antibiofilm compound (AS162) and quorum-sensing autoinducers. *3 Biotech*, 9(9), 338.
- Hadwan, M. H., Hussein, M. J., Mohammed, R. M., Hadwan, A. M., Saad Al-Kawaz, H., Al-Obaidy, S. S. M., & Al Talebi, Z. A. (2024). An improved method for measuring catalase activity in biological samples. *Biology Methods & Protocols*, 9(1), bpae015.
- Harpke, M., & Kothe, E. (2023). Biofilm formation in Gram-positives as an answer to combined salt and metal stress. *Journal of Basic Microbiology*, 63(8), 888–896.
- Hoang, D. T., Chernomor, O., Von Haeseler, A., Minh, B. Q., & Vinh, L. S. (2018). UFBoot2: improving the ultrafast bootstrap approximation. *Molecular Biology and Evolution*, 35(2), 518-522.
- Hohl, S. V., & Viehmann, S. (2021). Stromatolites as geochemical archives to reconstruct microbial habitats through deep time: Potential and pitfalls of novel radiogenic and stable isotope systems. *Earth-Science Reviews*, 218, 103683.
- Hou, Q., Bai, X., Li, W., Gao, X., Zhang, F., Sun, Z., & Zhang, H. (2018). Design of primers for evaluation of lactic acid bacteria populations in complex biological samples. *Frontiers in Microbiology*, 9, 2045.

- Iqbal, M., Indrajayanti, M., Syaifullah, S., & Hartati, H. (2020). Pemberdayaan masyarakat melalui transplantasi karang hias dengan media jaring di Taman Wisata Alam Laut (Twal) Pulau Satonda. *Abdi Masyarakat*, 2(2).
- Iwase, T., Tajima, A., Sugimoto, S., Okuda, K. I., Hironaka, I., Kamata, Y., Takada, K., & Mizunoe, Y. (2013). A simple assay for measuring catalase activity: a visual approach. *Scientific Reports*, 3(1).
- Jahid, I. K., Mizan, M. F. R., Ha, A. J., & Ha, S. D. (2015). Effect of salinity and incubation time of planktonic cells on biofilm formation, motility, exoprotease production, and quorum sensing of *Aeromonas hydrophila*. *Food Microbiology*, 49, 142-151.
- Johnson, J. S., Spakowicz, D. J., Hong, B. Y., Petersen, L. M., Demkowicz, P., Chen, L., ... & Weinstock, G. M. (2019). Evaluation of 16S rRNA gene sequencing for species and strain-level microbiome analysis. *Nature Communications*, 10(1), 5029.
- Kannan, M., Rajarathinam, K., Venkatesan, S., Dheebea, B., & Maniraj, A. (2017). Silver iodide nanoparticles as an antibiofilm agent—a case study on gram-negative biofilm-forming bacteria. *Nanostructures for Antimicrobial Therapy*, 435-456.
- Kempe, S., & Kaźmierczak, J. (1990). Chemistry and stromatolites of the sea-linked Satonda Crater Lake, Indonesia: a recent model for the Precambrian sea?. *Chemical Geology*, 81(4), 299-310.
- [KLH] Kementerian Lingkungan Hidup. 2009. Peraturan Menteri Lingkungan Hidup tentang Daya Tampung Beban Pencemaran Air Danau dan/atau Waduk. Jakarta. <https://jdih.maritim.go.id/en/peraturan-menteri-negara-lingkungan-hidup-no-28-tahun-2009> [5 Ags 2009]
- Kim, L. H., & Chong, T. H. (2017). Physiological responses of salinity-stressed *Vibrio* sp. and the effect on the biofilm formation on a nanofiltration membrane. *Environmental Science & Technology*, 51(3), 1249–1258.
- Kiran, G. S., Sabarathnam, B., Thajuddin, N., & Selvin, J. (2014). Production of glycolipid biosurfactant from sponge-associated marine actinobacterium *Brachybacterium paraconglomeratum* MSA21. *Journal of Surfactants and Detergents*, 17, 531-542.
- Kırmusaoğlu, S. (2019). The methods for detection of biofilm and screening antibiofilm activity of agents. *Antimicrobials, Antibiotic Resistance, Antibiofilm Strategies and Activity Methods*, 7.

- Kothe, C. I., Bolotin, A., Kraïem, B. F., Dridi, B., Team, F. M., & Renault, P. (2021). Unraveling the world of halophilic and halotolerant bacteria in cheese by combining cultural, genomic and metagenomic approaches. *International Journal of Food Microbiology*, 358, 109312.
- Kurniati, T. H., Syahbani, N., & Rahayu, S. (2024). Screening and identification of exopolysaccharide-producing bacteria from pickled fruit. *AIP Conference Proceeding*, 2982, 050016.
- Lan, Z., Zhang, S., Tucker, M., Li, Z., & Zhao, Z. (2020). Evidence for microbes in early Neoproterozoic stromatolites. *Sedimentary Geology*, 398, 105589.
- Li, P., Yin, R., Cheng, J., & Lin, J. (2023). Bacterial biofilm formation on biomaterials and approaches to its treatment and prevention. *International Journal of Molecular Sciences*, 24(14), 11680.
- Li, X., Sun, J., Zhang, M., Xue, X., Wu, Q., Yang, W., et al (2022). The effect of salinity on biofilm formation and c-di-GMP production in *Vibrio parahaemolyticus*. *Current Microbiology*, 79, 1-6.
- Liu, X., Cao, B., Yang, L., & Gu, J. D. (2022). Biofilm control by interfering with c-di-GMP metabolism and signaling. *Biotechnology Advances*, 56, 107915.
- Mahto, K. U., Priyadarshane, M., Samantaray, D. P., & Das, S. (2022). Bacterial biofilm and extracellular polymeric substances in the treatment of environmental pollutants: beyond the protective role in survivability. *Journal of Cleaner Production*, 134759.
- Mandakhalikar, K. D., Rahmat, J. N., Chiong, E., Neoh, K. G., Shen, L., & Tambyah, P. A. (2018). Extraction and quantification of biofilm bacteria: method optimized for urinary catheters. *Scientific Reports*, 8(1), 8069.
- Martignano, F. (2019). Cell-free DNA: an overview of sample types and isolation procedures. *Cell-free DNA as Diagnostic Markers: Methods and Protocols*, 13-27.
- McCombie, W. R., McPherson, J. D., & Mardis, E. R. (2019). Next-generation sequencing technologies. *Cold Spring Harbor Perspectives in Medicine*, 9(11), a036798.
- Mishra, S., Huang, Y., Li, J., Wu, X., Zhou, Z., Lei, Q., Bhatt, P., & Chen, S. (2022). Biofilm-mediated bioremediation is a powerful tool for the removal of environmental pollutants. *Chemosphere*, 294, 133609.

- Mishra, P., Mishra, J., & Arora, N. K. (2021). Plant growth promoting bacteria for combating salinity stress in plants—recent developments and prospects: a review. *Microbiological Research*, 252, 126861.
- Monteiro, J., M., Vogwill, R., Bischoff, K. and Gleeson, D.B. (2020). Comparative metagenomics of microbial mats from hypersaline lakes at Rottneest Island (WA, Australia), advancing our understanding of the effect of mat community and functional genes on microbialite accretion. *Limnology and Oceanography*, 65, S293-S309.
- Moyal, J., Dave, P. H., Wu, M., Karimpour, S., Brar, S. K., Zhong, H., & Kwong, R. W. (2023). Impacts of biofilm formation on the physicochemical properties and toxicity of microplastics: A concise review. *Reviews of Environmental Contamination and Toxicology*, 261(1), 8.
- Nisha, P., John, N., Mamatha, C., & Thomas, M. (2020). Characterization of bioactive compound produced by microfouling actinobacteria (*Micrococcus luteus*) isolated from the ship hull in Arabian Sea, Cochin. Kerala. *Materials Today: Proceedings*, 25, 257-264.
- Nocera, F. P., Ferrara, G., Scandura, E., Ambrosio, M., Fiorito, F., & De Martino, L. (2021). A preliminary study on antimicrobial susceptibility of *Staphylococcus* spp. and *Enterococcus* spp. grown on mannitol salt agar in European Wild Boar (*Sus scrofa*) hunted in Campania Region—Italy. *Animals*, 12(1), 85.
- Nurbaitirrahmi, N., Syuhriatin, S. (2020). Identifikasi ikan di danau satonda, kabupaten dompu. *Lombok Journal of Science*, (2)1, 12-15.
- Nuryastuti, T. (2014). Current in vitro assay to determine bacterial biofilm formation of clinical isolates. *Journal of the Medical Sciences (Berkala Ilmu Kedokteran)*, 46(03).
- Olson, S., Jansen, M. F., Abbot, D. S., Halevy, I., & Goldblatt, C. (2022). The effect of ocean salinity on climate and its implications for Earth's habitability. *Geophysical Research Letters*, 49(10), e2021GL095748.
- Pace, A., Bourillot, R., Bouton, A., Vennin, E., Galaup, S., Bundeleva, I., Patrier, P., Dupraz, C., Thomazo, C., Sansjofre, P. and Yokoyama, Y. (2016). Microbial and diagenetic steps leading to the mineralisation of Great Salt Lake microbialites. *Scientific Reports*, 6(1), 31495
- Petrachi, T., Resca, E., Piccinno, M. S., Biagi, F., Strusi, V., Dominici, M., & Veronesi, E. (2017). An alternative approach to investigate biofilm in medical devices: a feasibility study. *International Journal of Environmental Research and Public Health*, 14(12), 1587.

- Römling, U. (2022). Is biofilm formation intrinsic to the origin of life?. *Environmental Microbiology*, 25(1), 26-39.
- Rosariastuti, R., Sutami, S., & Purwanto, P. (2021). A salt tolerant *Sphingosinicella microcystinivorans* A3 isolated from soil contaminated with mercury in traditional gold mining of Jendi Village, Wonogiri District, Indonesia. *Biodiversitas: Journal of Biological Diversity*, 22(9).
- Pangestu, N. S., Budiharjo, A., & Rukmi, M. I. (2016). Isolasi, identifikasi 16S rRNA dan karakterisasi morfologi bakteri pendegradasi plastik polietilen (PE). *Jurnal Akademika Biologi*, 5(1), 24-29.
- Papenfort, K., & Bassler, B. L. (2016). Quorum sensing signal–response systems in Gram-negative bacteria. *Nature Reviews Microbiology*, 14(9), 576-588.
- Prasanna, S. N., Venkatesh Kamath, B., Pai, A., Garge, R., & Priya, M. P. (2023). Exploring the plethora of hidden potential in the quest for sustainable development: impact of ecological niche on the enzymes from extremophiles. *Rasayan Journal of Chemistry*, 16(2), 573-578.
- Peng, Q., Tang, X., Dong, W., Sun, N., & Yuan, W. (2022). A review of biofilm formation of *Staphylococcus aureus* and its regulation mechanism. *Antibiotics (Basel, Switzerland)*, 12(1), 12.
- Qian, P. Y., Cheng, A., Wang, R., & Zhang, R. (2022). Marine biofilms: diversity, interactions and biofouling. *Nature Reviews Microbiology*, 20(11), 671-684.
- Raghavan, V., Kavitha, S. (2018). Isolation and characterization of marine biofilm forming bacteria from a ship's hull. *Frontiers in Biology*, 13, 208-214.
- Rahman, S. S., Siddique, R., & Tabassum, N. (2017). Isolation and identification of halotolerant soil bacteria from coastal Patenga area. *BMC Research Notes*, 10, 1-6.
- Rai, C. J., Prakash, B., Girisha, S. K., Khedkar, G. D., Kushala, K. B., & Murthy, H. A. (2024). Evaluation of biofilm formation by bacteria isolated from engine oil-contaminated soil and exploring its bioremediation potential in vitro. *Journal of the Indian Chemical Society*, 101(9), 101249.
- Rao, T. S. (2023). Industrial applications and implications of biofilms. *Understanding Microbial Biofilms*, 713-738.
- Reid, R. P., Suosaari, E. P., Oehlert, A. M., Pollier, C. G., & Dupraz, C. (2024). Microbialite accretion and growth: lessons from Shark Bay and the Bahamas. *Annual Review of Marine Science*, 16, 487-511.

- Rogerson, M., Mercedes-Martín, R., Brasier, A.T., McGill, R.A.R., Prior, T.J., Vonhof, H., Fellows, S.M., Reijmer, J.J.G., McClymont, E., Billing, I., Matthews, A., Pedley, H.M. (2017). Are spherulitic lacustrine carbonates an expression of large-scale mineral carbonation? A case study from the East Kirkton Limestone, Scotland. *Gondwana Research*, 48, 101–109.
- Roy, R., Tiwari, M., Donelli, G., & Tiwari, V. (2018). Strategies for combating bacterial biofilms: A focus on anti-biofilm agents and their mechanisms of action. *Virulence*, 9(1), 522-554.
- Sadati, R., Shaykh-Baygloo, N., & Shokri, R. (2023). Antibacterial activity of Lake Urmia derived-Halomonas. *Veterinary Research Forum* 14(9), 515.
- Safary, A., Moniri, R., Mirhashemi, S. M., Nikzad, H., & Khiavi, M. A. (2013). Phylogenetic and biochemical characterization of a new halothermotolerant, biofilm-forming *Bacillus* from Saline Lake of Iran. *Polish Journal of Microbiology*, 62(4), 419.
- Saimin, J., Hartati, H., Purnamasari, Y., Mulyawati, S. A., Tien, T., & Ayitrina, P. (2020). Microbiological and biochemical contamination analysis of refilled drinking-water in Abeli, Kendari, Southeast Sulawesi. *The Indonesian Biomedical Journal*, 12(2), 124-9.
- Satyana, A. H., Pudyo, N., Rachmat, H., Hendratno, A., & Husein, S. (2010). Exploring precambrian to lower paleozoic carbonates in indonesia: lessons from their modern analogues of stromatolitic reefs in the satonda island crater lake, north sumbawa. *Proceedings of Indonesian Petroleum Association*.
- 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.
- Schinteie, R., & Brocks, J. J. (2017). Paleoecology of Neoproterozoic hypersaline environments: biomarker evidence for haloarchaea, methanogens, and cyanobacteria. *Geobiology*, 15(5), 641-663.
- Schmitt, S., Conroy, J. L., Flynn, T. M., Sanford, R. A., Higley, M. C., Chen, M., & Fouke, B. W. (2019). Salinity, microbe and carbonate mineral relationships in brackish and hypersaline lake sediments: A case study from the tropical Pacific coral atoll of Kiritimati. *The Depositional Record*, 5(2), 212-229.

- Sharma, S., Mohler, J., Mahajan, S. D., Schwartz, S. A., Bruggemann, L., & Aalinker, R. (2023). Microbial biofilm: a review on formation, infection, antibiotic resistance, control measures, and innovative treatment. *Microorganisms*, *11*(6), 1614.
- Shi, X., Qiu, S., Ji, L., Lu, H., Wu, S., Chen, Q., ... & Liu, P. (2023). Pathogenetic characterization of a *Micrococcus luteus* strain isolated from an infant. *Frontiers in Pediatrics*, *11*, 1303040.
- Silva, V., Pereira, J. E., Maltez, L., Poeta, P., & Igrejas, G. (2022). Influence of environmental factors on biofilm formation of *Staphylococci* isolated from wastewater and surface water. *Pathogens*, *11*(10), 1069.
- Soesilowati, J., & Khafid, M. (2022). Strategi pengembangan pariwisata kabupaten dompu nusa tenggara barat (studi kasus taman wisata alam pulau satonda). *Business and Economic Analysis Journal*, *2*, 38-50.
- Sulistiowati, C. P., Suhartono, M., Rahmawati, D. F., Ulfah, N., Supandi, S. K., Wijaksana, I. K. E., & Dhadse, P. (2023). In-vitro inhibitory efficacy of 3 types of probiotics on the growth of *Aggregatibacter actinomycetemcomitans* bacteria. *Frontiers in Bioscience-Landmark*, *28*(5), 106.
- Sulpis, O., Agrawal, P., Wolthers, M., Munhoven, G., Walker, M., & Middelburg, J. J. (2022). Aragonite dissolution protects calcite at the seafloor. *Nature Communications*, *13*(1), 1104.
- Takeuchi, M., Fang, C. X., & Yokota, A. (1995). Taxonomic study of the genus brachybacterium: proposal of *Brachybacterium conglomeratum* sp. nov., nom. rev., *Brachybacterium paraconglomeratum* sp. nov., and *Brachybacterium rhamnosum* sp. nov. *International Journal of Systematic and Evolutionary Microbiology*, *45*(1), 160-168.
- Thevarajoo, S., Selvaratnam, C., Goh, K. M., Manan, F., Ibrahim, Z., & Chong, C. (2015). Isolation and characterization of biotechnology relevant bacteria from marine environment. *Journal Teknologi*, *77*, 19-33.
- Torres, M., Dessaux, Y., & Llamas, I. (2019). Saline environments as a source of potential quorum sensing disruptors to control bacterial infections: a review. *Marine Drugs*, *17*(3), 191.
- Tripathi, N. (2023). *Gram staining*. StatPearls - NCBI Bookshelf.
- Tuit, C. B., & Wait, A. D. (2020). A review of marine sediment sampling methods. *Environmental Forensics*, *21*(3-4), 291-309.

- Van Hofwegen, D. J., Hovde, C. J., & Minnich, S. A. (2016). Rapid evolution of citrate utilization by *Escherichia coli* by direct selection requires citT and dctA. *Journal of bacteriology*, 198(7), 1022-1034.
- Váradi, L., Luo, J. L., Hibbs, D. E., Perry, J. D., Anderson, R. J., Orenge, S., & Groundwater, P. W. (2017). Methods for the detection and identification of pathogenic bacteria: past, present, and future. *Chemical Society Reviews*, 46(16), 4818-4832.
- Vijayaraman, R. S., Ramaraj, V., & Kindo, A. J. (2016). Direct colony polymerase chain reaction for rapid identification of yeasts isolated from blood specimen. *Journal of The Academy of Clinical Microbiologists*, 18(2), 91-94.
- Wang, J., Liu, Q., Wu, B., Hu, H., Dong, D., Yin, J., & Ren, H. (2020). Effect of salinity on mature wastewater treatment biofilm microbial community assembly and metabolite characteristics. *The Science of the Total Environment*, 711, 134437.
- White, R. A., Visscher, P. T., & Burns, B. P. (2021). Between a rock and a soft place: the role of viruses in lithification of modern microbial mats. *Trends in Microbiology*, 29(3), 204-213.
- Whiteley, M., Diggle, S. P., & Greenberg, E. P. (2017). Progress in and promise of bacterial quorum sensing research. *Nature*, 551(7680), 313-320.
- Wijewardene, L., Wu, N., Fohrer, N., & Riis, T. (2022). Epiphytic biofilms in freshwater and interactions with macrophytes: Current understanding and future directions. *Aquatic Botany*, 176, 103467.
- Wu, W., Du, W., Gallego, R. P., Hellingwerf, K. J., van der Woude, A. D., & Branco dos Santos, F. (2020). Using osmotic stress to stabilize mannitol production in *Synechocystis* sp. PCC6803. *Biotechnology for Biofuels*, 13, 1-12.
- Yadav, D., Singh, A., Mathur, N., Agarwal, A., & Sharma, J. (2021). Isolation of halophilic bacteria and their screening for extracellular enzyme production. *Journal of Scientific & Industrial Research*, 80(7), 617-622.
- Yamada, T., Hamada, M., Nakagawa, M., Sato, N., Ando, A., Ogawa, J., Yasuda, M., & Kawagishi, T. (2019). 16S rRNA gene amplicon sequencing of microbiota in polybutylene succinate adipate-packed denitrification reactors used for water treatment of land-based recirculating aquaculture systems. *Microbiology Resource Announcements*, 8(47), e01295-19.

- Yamagishi, J., Sato, Y., Shinozaki, N., Ye, B., Tsuboi, A., Nagasaki, M., & Yamashita, R. (2016). Comparison of boiling and robotics automation method in DNA extraction for metagenomic sequencing of human oral microbes. *PLoS One*, *11*(4), e0154389.
- Yan, J., Nadell, C. D., Stone, H. A., Wingreen, N. S., & Bassler, B. L. (2017). Extracellular-matrix-mediated osmotic pressure drives *Vibrio cholerae* biofilm expansion and cheater exclusion. *Nature Communications*, *8*(1), 327.
- Yang, Y., Li, M., Li, H., Li, X. Y., Lin, J. G., Denecke, M., & Gu, J. D. (2020). Specific and effective detection of anammox bacteria using PCR primers targeting the 16S rRNA gene and functional genes. *Science of The Total Environment*, *734*, 139387.
- Yin, W., Wang, Y., Liu, L., & He, J. (2019). Biofilms: the microbial “protective clothing” in extreme environments. *International Journal of Molecular Sciences*, *20*(14), 3423.
- Zapata-Peñasco, I., Avelino-Jiménez, I. A., Mendoza-Pérez, J., Guevara, M. V., de Guevara, M. G. L., Valadez-Martínez, M., ... & Fonseca-Campos, J. (2024). Environmental stressor assessment of hydrocarbonoclastic bacteria biofilms from a marine oil spill. *Biotechnology Reports*, *42*, e00834.
- Zheng, S., Bawazir, M., Dhall, A., Kim, H. E., He, L., Heo, J., & Hwang, G. (2021). Implication of surface properties, bacterial motility, and hydrodynamic conditions on bacterial surface sensing and their initial adhesion. *Frontiers in Bioengineering and Biotechnology*, *9*, 643722. <https://doi.org/10.3389/fbioe.2021.643722>
- Zhou, S., An, W., Zhao, K., Lin, L., Yang, S., Zhang, Y., & Xu, M. (2023). Protection of electroactive biofilms against hypersaline shock by quorum sensing. *Water Research*, *233*, 119823.
- Zhu, T., Dittrich, M. (2016). Carbonate precipitation through microbial activities in natural environment, and their potential in biotechnology: a review. *Frontiers in Bioengineering and Biotechnology* *4*, 1–21.
- Zulfiah, N., & Aisyah, A. (2016). Status trofik perairan Rawa Pening ditinjau dari kandungan unsur hara (NO₃ dan PO₄) serta klorofil-a. *Bawal Widya Riset Perikanan Tangkap*, *5*(3), 189-199.
- Zuraidah, Z., Wahyuni, D., & Astuty, E. (2020). Karakteristik morfologi dan uji aktivitas bakteri termofilik dari kawasan wisata Ie Seuum (air panas). *Jurnal Ilmu Alam dan Lingkungan*, *11*(2).