

**DAFTAR PUSTAKA**

- Algaebase. 2018. Algaebase is a Global Algal Database of Taxonomic, Nomenclatural, and Distributional Information. <http://www.algaebase.org/>. 10/09/2018.
- Anggadiredja, T., Zatinika, A., Purwoto, H., dan Istini, S. 2006. Rumput Laut. Swadaya. Depok, Indonesia.
- Banat, I., Makkar R, Cameotra S. 2000. Potential Commercial Applications of Microbial Surfactants. *Appl Microbiol Biotechnol*, 53:495–508.
- Banat, I., Franzetti, A., Gandolfini, I., Bestetti, G., Martinotti, M., Fracchia L., Smyth T., Marchant R., 2010. Microbial Biosurfactants Production, Applications, and Future Potential. *Appl. Microbiol. Biotechnol*, 87:427-444.
- Barrow, G. and R. Feltham. 2003. *Cowan and Steel's: Manual for the Identification of Medical Bacteria*. Australia: Cambridge University Press. pp. 86-90.
- Bordoloi, N. and Konwar B. 2009. Bacterial Biosurfactant in Enhancing Solubility and Metabolism of Petroleum Hydrocarbons. *J. Hazard Mater*, 170:495-505.
- Cappello, S., Maria, G., Camilla, D., Antonella, C., Hassanshahian, M., Santisi, S., Rosario, C., Michael, Y. 2012. Effect of Bioemulsificant Exopolysaccharide (EPS2003) on Microbial Multy Dynamics During Assays of Oil Spill Bioremediation. *Marine Pollut. Bull*, 64:2820– 2828.
- Carrim, A., C. Edweis, and D. Jose. 2006. Enzymatic Activity of Endophytic Bacterial Isolates of *Jacaranda Decurrens* Cham. (Carobinha-Do-Campo). *Brazilian Archives of Biology and Technology*, 49 (3): 35– 59.
- Devianto, L.A. & E. Kardena. 2010. Pengaruh Glukosa terhadap Produksi Biosurfaktan oleh *Azotobacter vinelandii* dan Pengaruh Biosurfaktan Terhadap Biodegradasi TPH oleh Konsorsium Bakteri Petrofilik. *Biotechnology*. 8 (1): 1-10.
- Donio, MBS., Ronica., V, Thanga Viji., S, Velmurugan., J, Adlin Jenifer., M, Michaelbabu., T, Citarasu. 2013. Isolation and characterization of halophilic *Bacillus* sp. BS3 able to produce pharmacologically important biosurfactants. *Asian Pacific Journal of Tropical Medicine*. Page : 876-883.
- 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.

- Goldman, E. and Green, L. 2015. Practical Handbook of Microbiology. CRC Press. pp. 72-73.
- Gozan, Misri., Izzah, F., Cut Nanda., dan Abdul Haris. 2014. Produksi Biosurfaktan oleh *Pseudomonas Aeruginosa* dengan Substrat Limbah Biodiesel Terozonasi untuk Peningkatan Perolehan Minyak Bumi. *Journal of Agro-based Industry*, 31 (2) 12:39-44.
- Guanzon, N. 2003. Seaweed Biology and Ecology. Lecture Note. Responsible Aquaculture Development Training Programme. Aquaculture Departement. SEAFDEC. Tingbauan. Illoilo. Philipines.
- Gudina, E., Rangarajan, V., Sen, R., Rodrigues LR. 2013. Potential therapeutic applicationsof biosurfactants. *Trends Pharmacol Sci*. Vol.(34):667–75.
- Hasbi, M., Budijono, Tetty M, L., dan Wiwik, W. 2009. Eksplorasi Bakteri Penghasil Biosurfaktan Dari Sampel Air Kolam *Gathering Station* Pt. Bumi Siak Pusako Provinsi Riau. Lembaga Penelitian, Mikrobiologi Jurusan Biologi FMIPA UNRI.
- Hassanshahia, Mehdi. 2014. Isolation and Characterization of Biosurfactant Producing Bacteria from Persian Gulf (Bushehr Provenance). *Marine Pollution Bulletin*, 86:361-366.
- Ibrahim, M. L., Ijah, U. J. J., Manga, S. B., Bilbis, L. S., & Umar, S. 2015. Production and partial characterization of biosurfactant produced by crude oil degrading bacteria. *International Biodeterioration & Biodegradation*, 81, 28–34.
- Jahangeer., and Kumar, V. 2013. An Overview on Microbial Degradation of Petroleum Hydrocarbon Contaminants. *Int J Eng Tech Res*, 1(8):34-37.
- Januar, Wilhelmus., Siti, Khotima., Ahmad, Mulyadi. 2013. Kemampuan Isolat Bakteri Pendegradasi Lipid dari Instalasi Pengolahan Limbah Cair PPKS PTPN-XIII Ngabang Kabupaten Landak. *Jurnal Probiot*. Vol 2 (3): 136 – 140.
- Lee, Y., Kim, M., Li, H., Zhang, P., Bao, B., Lee, K., Jung, J. 2013. Marine-derived *Aspergillus* Species as a Source of Bioactive Secondary Metabolites. *Marine Biotechnol*, 15:499–519.
- Mahalingam, P. U. and Nithya Sampath. 2014. Isolation, characterization and identification of bacterial biosurfactant. *European Journal of Experimental Biology*. Pelagia Research Library. Vol. 4(6):59-64.
- Makkar, R., Cameotra, S., Banat, I. 2011. Advances in Utilization of Renewable Substrates for Biosurfactant Production. *AMB Express*, 1: 5.

- Marzuki, I., Noor, A., La Nursiah., and Natsir, M. 2018. Isolasi dan Identifikasi Bakteri Symbion Penghasil Enzim Amilase Asal Pantai Melawai Balikpapan. *Jurnal Ilmiah dr. Aloei Saboe*, 1(2):11–20.
- Nazir, M. 2011. *Metode Penelitian*. Ghalia Indonesia. Bogor, hal 55-58.
- Noverita, *et al.* 2009. Isolasi dan Uji Aktivitas Antibakteri Jamur Endofit dari Daun dan Rimpang *Zingiber ottensii*. *Jurnal Farmasi Indonesia*, Vol. 4(4):171-176.
- Palczar, J. dan Chan E. 1998. *Dasar-dasar Mikrobiologi 2*. Jakarta: Penerbit UI Press.
- Prihatiningtias, W. dan Wahyuningsih, M. 2006. *Prospek Mikroba Endofit sebagai Sumber Senyawa Bioaktif*, Skripsi, Sarjana Farmasi, Universitas Gadjah Mada, Yogyakarta.
- Qumain, S., Agus, D., Sitoresmi, P. 2017. Analisis Perbandingan Kandungan Logam Berat Timbal (Pb) Pada Rumput Laut *Gracillaria* Sp. Dan Agar Desa Kupang, Kecamatan Jabon, Sidoarjo. Jurusan Biologi, Fakultas Matematika dan Ilmu Pengetahuan Alam, Universitas Negeri Malang.
- Reningtyas, R., dan Mahreni, 2015, *Biosurfaktan*, Eksergi, 7(2), 12-22.
- Riffiani, Rini and Nunik, Sulistinah. 2016. Preliminary Screening Of Biosurfactan Producing Microorganisms Isolated Waigeo Districts Raja Ampat Papua. *Prosiding Seminar Nasional II. Prodi Pendidikan Biologi FKIP dengan Pusat Studi Lingkungan dan Kependudukan (PSLK) Universitas Muhammadiyah Malang*.
- Riupassa, R., Masdiana, C., Dyah, K. 2013. *Isolasi Dan Karakterisasi Bakteri Penghasil Biosurfaktan Asal Limbah Rumah Potong Ayam Tradisional Di Kota Malang*. [Skripsi]. Malang : Universitas Brawijaya.
- Saharan, B., Rahu,R., Sharma D. 2011. A Review on Biosurfactants: Fermentation, Current Developments and Perspectives. *Genetic Eng. Biotechnol*, 97:336–341.
- Saravanan, V., Vijayakumar, S. 2012. Isolation and Screening of Biosurfactant Producing Microorganisms from Oil Contaminated Soil. *J Acad Indus Res*, 1(5):264-268.
- Sardiani, N., Litaay, M., Budji, R.G., Priosambodo, D., Syahribulan, dan Dwyana, Z. 2015. Potensi Tunikata *Rhopalaea* Sp. sebagai Sumber Inokulum Bakteri Encoimbion Penghasil Antibakteri 1 Karakteristik Isolat. *Jurnal Alam dan Lingkungan*, 6 (11).

- Simarmata, R., Lekatompessy, S. dan Sukiman, H. 2007. Isolasi mikroba endofitik dari tanaman obat sambung nyawa (*Gynura procumbens*) dan analisis potensinya sebagai antimikroba. Berk. Penel. Hayati, 13:85-90.
- Susilowati, R., Agus, S., dan Ita, W. 2015. Isolation and Characterization of Bacteria Associated with Brown Algae *Sargassum* spp. From Panjang Island And Their Antibacterial. Procedia Environmental Sciences, 23:240 – 246.
- Tabatabaee, A., M.M. Assadi, A.A. Noohi and V.A. Sajadian. 2005. Isolation of Biosurfactant Producing Bacteria from Oil Reservoirs. Iranian J. Env. HealthSci. Eng. 2 (1): 6-12.
- Tan, R., and Zou, W. 2001. Endophytes a Rich Source of Functional Metabolites. Natural Product Report, 18:448-459.
- Techaoei, S., Lumyong, Prathumpai., Santiarwarn, D., and Leelapornpisid, P. 2011. Screening Characterization and Stability of Biosurfactant Produced by *Pseudomonas Aeruginosa* SCMU106 Isolated from Soil in Northern Thailand. Asian Journal of Biological Sciences, 4(4):340-350.
- Tuntun, A., dan Misbahul, H. 2017. Isolasi dan Identifikasi Bakteri Termofilik dari Sumber Air Panas Way Panas Bumi Natar Lampung Selamat. Jurnal Analisis Kesehatan, 3(1), pp.297-304.
- Tururaja, T., dan Rina, M. 2010. Bakteri Coliform di Perairan Teluk Doreri, Manokwari Aspek Pencemaran Laut dan Identifikasi Species. Jurnal Ilmu Kelautan, Vol. 15 (1):47 – 52.
- Ulfa A., Endang S., Mimien H. 2016. Isolation and Mercury Sensitivity Test of Bacterias isolated from Disposal in Gold Mining Area in West Sekotong of West Lombok Region: preliminary Study. Proceeding Biology Education Conference. Vol 13(1) : 739-799.
- Uzair, B., Farid, M., Barkat, A., Faryal, V., Viqar, U., Ryad, D., and Bouzid, M. 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.
- Wibisana, A. 2018. Isolation and Screening of Biosurfactant-producing Microorganisms from Oil-contaminated Sea Water. Jurnal Ilmiah Teknik Kimia UNPAM, Vol. 2 (2).
- Widjajanti, H., Muharni, dan Mirfat. 2013. Screening of biosurfactant producing hydrocarbonoclastic bacteria as a bioremediation agent of petroleum

contaminated environment. Prosiding Semirata FMIPA Universitas Lampung. Hal. 339-346.

Youssef N.H., Duncan K.E., Nagle D.P., Savage K.N., Knapp R.M., McInerney M.J. (2004) Comparison of methods to detect biosurfactant production by diverse microorganism. *J Microbiol Methods* 56: 339-347.

Yuliar. 2008. Skrining Bioantagonistik Bakteri untuk Agen Biokontrol *Rhizoctonia solani* dan Kemampuannya dalam Menghasilkan Surfaktin. *Biodiversitas*, 9 (2):83-86.

Zhang, J., Xue, Q., Gao, H., Lai, H., Wang, P., 2016. Production of lipopeptide biosurfactants by *Bacillus atrophaeus* 5-2a and their potential use in microbial enhanced oil recovery. *Microb. Cell Fact*, 15:168.