

VI. PUSTAKA ACUAN

- Ahmad, S. D. (2018). *Termites and Sustainable Management Chapter 3 Ecology of Termites*. Jazan: Springer International Publishing.
- Akbarnia, A., Zare, H.R., Moshtaghioun, S., and Benvidi, A. 2019. Highly Selective Sensing and Measurement of Microrna-541 Based on Its Sequence-Specific Digestion by The Restriction Enzyme HinfI. *Colloids and surfaces B, Biointerfaces*. 3.
- Alberts, B., D. Bray, J. Lewis, M. Raff, K. Roberts, dan J.D. Watson. 1983. *Molecular Biology of the Cell*. Garland Publishing, Inc., New York.
- Antriana, N. 2014. Isolasi Bakteri Asal Saluran Pencernaan Rayap Pekerja (*Macrotermes* spp.). *Saintifika*. 16(1): 25.
- Arif, A., Putri G., Lestari, P.I, Widawati, Nurqalbim, M., dan Saira, A. 2020. Keragaman Rayap Rhinotermitidae (Isoptera, Insekta) di Hutan Pendidikan Universitas Hasanuddin. *Perennial*. 16 (2): 63.
- Baker G.C., Gaffar S., Cowon D.C., Suharto A.R. 2001. Microbial community analysis of Indonesian hot-springs. *FEMS Microbiol. Lett.* 200(1): 103-9.
- Begum, K., Mannan, S.J., Rezwan, R., Mahinur, M., Rahman, M.M., Rahman, M.S., dan Kamlal, A. N.E. 2017. Isolation and Characterization of Bacteria with Biochemical and Pharmacological Importance from Soil Samples of Dhaka City. *Dhaka Univ. J. Pharm. Sci.* 16(1): 130.
- Brauman A., Majeed M.Z., Buatois B., Robert A., Pablo A-L, & Miambi E. 2015. Nitrous Oxide (N₂O) Emissions by Termites: Does the Feeding Guild Matter. *PloS ONE*. 10(12):0144-340. DOI: [10.1371/journal.pone.0144340](https://doi.org/10.1371/journal.pone.0144340)
- Brune, A. 2014. *Symbiotic digestion of lignocellulose in termite guts*. *Nature Reviews Microbiology*, 12(3), 168–180. DOI:10.1038/nrmicro3182.
- Cappuccino. J.C, and Sherman, N. 2005. *Microbiology-A laboratory Manual. 6thEd., Pearson Education (Singapore)*. Dehli, India: Indian branch. p. 280-285.
- Devaraj, V. & Kasti, S.S. 2019. Isolation and Molecular Characterization of Termite Gut Microflora. *Int. J. Sci. Res. in Biological Sciencesl.* 6(3): 41-49 DOI: DOI:10.26438/ijsrbs/v6i3.4149.
- Deviriani, R., Widhiono, I., dan Pratiknyo, H. 2019. Preferensi Rayap (Isoptera: Termitidae) pada Berbagai Tonggak Pohon di Kawasan Cagar Alam Bantarbolang Pemalang Jawa Tengah. *Jurnal Ilmiah Biologi Unsoed*. 1(9): 97.
- Fallo, G., dan Sine, Y. 2016. Isolasi dan Uji Biokimia Bakteri Selulolitik Asal Saluran Pencernaan Rayap Pekerja (*Macrotermes* spp.). *Jurnal Pendidikan Biologi*. 1(2): 27-29.

- Ferbiyanto, A., Rusmana I., & Raffiudin, R. 2015. Characterization and Identification of Cellulolytic Bacteria from gut of Worker *Macrotermes gilvus*. *HAYATI Journal of Biosciences*. 22 (2015) 197-200.
- Gaffar, S., Maksum, I.P., dan Julaeha, E. 2014. Identifikasi Populasi Bakteri dalam Spuns Pencuci Piring dengan Metode PCR-RELP. *Chimica et Natura Acta*. 2(2):124.
- Haryani, Y., Chairitifah, dan Rustiana. 2012. Fermentasi Karbohidrat oleh *Salmonella* spp. dari Jajanan Pinggir Jalan. *Jurnal Indonesia Chemia Acta*. 3(1) :23-26.
- Hussain, T., Roohi, A., Munir, S., Ahmad, I., Khan, J., hermann, V.E., Kim, K.Y., and Anees, M. 2013. Biochemical characterization and identification of bacterial strains isolated from drinking water sources of Kohat, Pakistan. *African Journal of Microbiology Research*. 7(16): 1581-1582.
- Integrated Taxonomic Information System (ITIS). 2013. *ITIS Report*. Retrieved from ITIS: https://www.itis.gov/servlet/SingleRpt/SingleRpt?search_topic=TSN&search_value=666640#null. 21 Agustus 2020. 14.10 WIB.
- Kambhampati S, Eggenton P. 2000. *Taxonomy and phylogeny of termites*. Di dalam: Abe T, Bignell DE, Higashi M. *Termites Evolution, Sociality, Symbioses, Ecology*. Dordecht: Kluwer Academic. p. 1- 23.
- Ketaren, P.P, A.P. Sinurat, T. Purwadaria, I.P. Kompiang, & M. Amir. 2008. Penggunaan Rayap (*Glyptotermes montanus*) sebagai Bahan Pakan Ayam. *J. Ilmu Ternak dan Veteriner*. 6(2): 100-106.
- Lay, B.W. 1994. *Analisis Mikroba di Laboratorium*. Rajawali Press. Jakarta.
- Lazuka, A., Auer L., O'Donohue M., & Hernandez-Raquet, G. 2018. Anaerobic lignocellulolytic microbial consortium derived from termite gut: enrichment, lignocellulose degradation and community dynamics. *Biotechnol Biofuels*, 11:284 DOI: 10.1186/s13068-018-1282-x.
- Lestari, P.B. dan Hartati, T.W 2017. *Mikrobiologi Berbasis Inquiry*. Malang: Penerbit Gunung Samudera. p. 93-97.
- Lima, Thâmarah de Albuquerque, Pontual, E.V., Dornelles, L.P., Amorim, P.K., Sá, K.A., Coelho, L.C.B.B., Napoleão, T.H., & Paiva, P.M.G. (2014). Digestive enzymes from workers and soldiers of termite *Nasutitermes corniger*. *Comparative Biochemistry and Physiology*, Part B. 176:1-8. DOI: 10.1016/j.cbpb.2014.07.001.
- Mannan, S.J., Rezwani, R., Rahman, M.S., dan Begum, K. Isolation and Biochemical Characterization of *Lactobacillus* species from Yogurt and Cheese samples in Dhaka Metropolitan Area. 2017. *Bangladesh Pharmaceutical Journal*. 20(1): 28.
- Marchesi JR, Sato T, Weightman AJ, Martin TA, Fry JC, Hiom SJ, Wade WE. 1998. Design and evaluation of useful bacterium specific PCR primers that

amplify genes coding for bacterial 16S-rRNA. *Applied and Environmental Microbiology*. 64: 795–799.

- Masai, E., Ichimura A., Sato Y., Miyauchi K., Katayama Y., & Fukuda, M. (2003). Roles of the enantioselective glutathione S-transferases in cleavage of β -aryl ether. *J Bacteriol* 185(6):1768–1775. DOI: [10.1128/JB.185.6.1768-1775.2003](https://doi.org/10.1128/JB.185.6.1768-1775.2003).
- Molina-Guijarro, J.M., Pérez-Torres J., Muñoz-Dorado J., Guillén-Carretero F., Moya L.R., Cutuli M.H., & Fernández M.E.A. 2009. Detoxification of azo dyes by a novel pH-versatile, salt-resistant laccase from *Streptomyces ipomoea*. *Int Microbiol* 12:13–21. DOI: [10.2436/20.1501.01.77](https://doi.org/10.2436/20.1501.01.77).
- Mulyani, P.D., 2021) *Isolasi dan Karakterisasi Lignoselulase Bakteri Saluran Pencernaan Rayap (Isoptera: Rhinotermitidae dan Termitidae)* (Tesis). Universitas Gadjah Mada. Yogyakarta.
- Nandika, D., Rismayadi, Y. & Diba, F. 2003. *Rayap: Biologi dan Pengendaliannya*. Surakarta: Muhammadiyah University Press.
- Nasehi, M., Torbatinejad N.M., Zerehdaran S., & Safaei, A.R. 2014. Effect of (*Pleurotus florida*) Fungi on chemical composition and rumen degradability of wheat and barley straw. *Iranian j appl anim sci* 4(2):257–261.
- Nisah, K. 2015. Biodegradasi dari Penyalut Layak Makan Berbasis Pati Sagu. *Journal of Islamic Science and Technology*. 1(1):71.
- Peristiwati., Natamihardja, Y.S., and Herlini, H. 2018. Isolation and Identification of Cellulolytic Bacteria From termites Gut (*Cryptotermes* sp.). *Journal of Physics*. 1013(2018): 3-5.
- Pingoud, A., dan A. Jeltsch. 2001. Structure and function of type II restriction endonucleases. *Nucleic Acid Research*. 29:3706-3727.
- Prabowo, A. Padmowijoyo, S. Bachrudin, Z. dan Syukur, A. 2007. Potensi Mikrobial Selulolitik Campuran dari Ekstrak Rayap, Larutan Feses Gajah dan Cairan Rumen Kerbau. *J.Indon.Trop.Anim.Agric*. 32(3): 152.