

DAFTAR PUSTAKA

- Ali, I., Khan, F.G. and Suri, K.A. (2020) ‘Cellulolytic bacteria and their industrial applications: A review’, *Journal of Applied Microbiology*, 128(4), pp. 950–964.
- APHA (2017) *Standard methods for the examination of water and wastewater*. 23rd edn. Washington DC: American Public Health Association.
- Atlas, R.M. (2010) *Handbook of microbiological media*. 4th edn. Boca Raton: CRC Press.
- Bisswanger, H. (2014) *Enzyme kinetics: Principles and methods*. 3rd edn. Weinheim: Wiley-VCH.
- Budiharjo, A., Nugroho, S. and Prasetya, B. (2025) ‘Eksplorasi bakteri selulolitik dari lingkungan ekstrem sebagai sumber enzim potensial’, *Jurnal Bioteknologi Indonesia*, 21(1), pp. 15–24.
- Cappuccino, J.G. and Sherman, N. (2014) *Microbiology: A laboratory manual*. 10th edn. New York: Pearson.
- Cole, J. K., Peacock, J. P., Dodsworth, J. A., Williams, A. J., Thompson, D. B., Dong, H., Wu, G., & Hedlund, B. P. (2013). *Sediment microbial communities in Great Boiling Spring are controlled by temperature and distinct from water communities*. The ISME Journal, 7(4), 718–729.
- Gupta, P., Samant, K. and Sahu, A. (2012) ‘Isolation of cellulose-degrading bacteria and determination of their cellulolytic potential’, *International Journal of Microbiology*, 2012, Article ID 578925.
- Hutami, R., Sari, P. and Nugroho, D. (2019) ‘Aktivitas enzim selulase dari isolat bakteri termofilik asal sumber air panas’, *Jurnal Sains dan Teknologi*, 5(2), pp. 101–110.
- Illanes, A. (2008) *Enzyme biocatalysis: Principles and applications*. Dordrecht: Springer.
- Ismail, N.F., Rahman, R.N.Z.R.A. and Salleh, A.B. (2020) ‘Thermostable cellulases: Current status and perspectives’, *Process Biochemistry*, 95, pp. 1–12.
- Kementerian Energi dan Sumber Daya Mineral (2023) *Potensi panas bumi di Indonesia*. Jakarta: Direktorat Jenderal EBTKE.
- Kirk, O., Borchert, T.V. and Fuglsang, C.C. (2002) ‘Industrial enzyme applications’, *Current Opinion in Biotechnology*, 13(4), pp. 345–351.
- Klemm, D., Heublein, B., Fink, H.P. and Bohn, A. (2005) ‘Cellulose: Fascinating biopolymer and sustainable raw material’, *Angewandte Chemie International Edition*, 44(22), pp. 3358–3393.
- Kuhad, R.C., Gupta, R. and Singh, A. (2011) ‘Microbial cellulases and their industrial applications’, *Enzyme Research*, 2011, Article ID 280696.
- Liu, L., Huang, W. C., Liu, Y., & Li, M. (2021). *Diversity of cellulolytic microorganisms and microbial cellulases*. International Biodeterioration & Biodegradation, 163, 105277.

- Lynd, L. R., Weimer, P. J., van Zyl, W. H., & Pretorius, I. S. (2002). *Microbial cellulose utilization: Fundamentals and biotechnology*. *Microbiology and Molecular Biology Reviews*, 66(3), 506–577.
- Madigan, M. T., Bender, K. S., Buckley, D. H., Sattley, W. M., & Stahl, D. A. (2018). *Brock Biology of Microorganisms (15th ed.)*. Pearson.
- Mariyaningsih, S. and Setyawan, H. (2014) ‘Isolasi bakteri selulolitik dari tanah gambut’, *Jurnal Biologi Tropis*, 14(2), pp. 101–110.
- MarketsandMarkets (2022) *Cellulase market by type, application, and region—Global forecast to 2027*. Pune: MarketsandMarkets Research.
- Mattam, A. J., Chaudhari, Y. B., & Velankar, H. R. (2022). *Factors regulating cellulolytic gene expression in filamentous fungi: an overview*. *Microbial Cell Factories*, 21, 44.
- Munawaroh, H.S., Yuliani, N. and Fitria, R. (2024) ‘Karakterisasi bakteri selulolitik termofilik dari sumber air panas’, *Jurnal Sumber Daya Hayati*, 10(1), pp. 55–63.
- Nicholson, W.L., Munakata, N., Horneck, G., Melosh, H.J. and Setlow, P. (2000) ‘Resistance of *Bacillus* endospores to extreme terrestrial and extraterrestrial environments’, *Microbiology and Molecular Biology Reviews*, 64(3), pp. 548–572.
- Pandey, A., Negi, S. and Soccol, C.R. (2015) *Current developments in biotechnology and bioengineering: Production, isolation, and purification of industrial products*. Amsterdam: Elsevier.
- Prasetyo, E. and Handayani, R. (2021) ‘Potensi enzim selulase dari bakteri termofilik asal sumber air panas’, *Jurnal Teknologi Lingkungan*, 22(1), pp. 45–52.
- Prescott, L.M., Harley, J.P. and Klein, D.A. (2008) *Microbiology*. 7th edn. New York: McGraw-Hill.
- Prescott, L.M., Harley, J.P. and Klein, D.A. (2020) *Microbiology*. 11th edn. New York: McGraw-Hill.
- Rahayu, S., Nugroho, D.A. and Kurniawati, T. (2016) ‘Eksplorasi mikroba selulolitik pada lahan sawah’, *Jurnal Mikrobiologi Indonesia*, 11(1), pp. 25–33.
- Rahmawati, N., Anindita, R. and Sulistyowati, F. (2021) ‘Eksplorasi bakteri selulolitik dari sumber air panas’, *Jurnal Biologi Indonesia*, 17(3), pp. 221–229.
- Safitri, H., Dewi, T. and Pratiwi, R. (2022) ‘Isolasi bakteri selulolitik dari tanah hutan mangrove’, *Jurnal Biodiversitas*, 23(5), pp. 2158–2165.
- Satyanarayana, T., Littlechild, J., Kawarabayasi, Y., *et al.* (2013). *Thermophilic Microbes in Environmental and Industrial Biotechnology*. Springer.
- Sekyatansa, M.A. (2017) ‘Identifikasi bakteri penghasil enzim selulase pada limbah padat’, *Jurnal Teknologi Pertanian*, 9(2), pp. 77–83.
- Setiawan, A. and Pratiwi, N. (2022) ‘Potensi bioteknologi bakteri selulolitik dalam industri bioenergi’, *Jurnal Sains dan Bioteknologi*, 14(1), pp. 33–41.
- Setyawan, H., Prasetyo, A. and Nugraha, D. (2016) ‘Uji aktivitas enzim selulase dari isolat bakteri termofilik’, *Jurnal Bioteknologi Pertanian*, 5(1), pp. 55–62.

- Shabeb, M.S.A., Younis, M.A., Hezayen, F.F. and Nour-Eldeen, A.R. (2010) 'Production of cellulase in low-cost medium by *Bacillus subtilis* KO strain', *World Applied Sciences Journal*, 8(1), pp. 35–42.
- Singh, A. and Kumar, R. (2021) 'Thermophilic bacteria: Diversity, biotechnological applications, and cellulase production', *Journal of Applied Biotechnology Reports*, 8(2), pp. 75–84.
- Singh, A., Kuhad, R.C. and Ward, O.P. (2016) 'Advances in consolidated bioprocessing for bioethanol production', *Biotechnology Advances*, 34(7), pp. 995–1007.
- Singh, R., Shukla, A., Tiwari, S., & Srivastava, M. (2019). *Cellulases from bacterial sources and their applications: A review*. 3 Biotech, 9, 1–13.
- Suharwanto, D. (2016) 'Potensi mikroorganisme ekstremofilik dari sumber air panas sebagai sumber enzim industri', *Jurnal Bioteknologi Indonesia*, 12(1), pp. 45–53.
- Turner, P., Mamo, G. and Karlsson, E.N. (2007) 'Potential and utilization of *thermophilic* and thermostable enzymes in biorefining', *Microbial Cell Factories*, 6, p. 9.
- Vieille, C. and Zeikus, G.J. (2001) 'Hyperthermophilic enzymes: Sources, uses, and molecular mechanisms for thermostability', *Microbiology and Molecular Biology Reviews*, 65(1), pp. 1–43.
- Vieille, C., & Zeikus, G. J. (2001). *Hyperthermophilic enzymes: Sources, uses, and molecular mechanisms for thermostability*. Microbiology and Molecular Biology Reviews, 65(1), 1–43.
- Ward, O.P., Moo-Young, M. and Singh, A. (1998) 'Microbial degradation of lignocellulosic residues: Enzyme systems and biotechnology', *Advances in Applied Microbiology*, 44, pp. 155–178.
- Yan, S., Xu, Y., & Yu, X. W. (2021). *From induction to secretion: a complicated route for cellulase production in Trichoderma reesei*. Bioresources and Bioprocessing, 8, 107.