

DAFTAR PUSTAKA

- Aggarwal, R., Dutta, T., & Sheikh, J. (2019). Extraction of amylase from microorganism isolated from textile mill effluent vis a vis desizing cotton. *Sustainable Chemistry and Pharmacy*, 3.
- Andrade, L. M., Andrade, C. J., Dias, M., Nascimento, C. A., & Mendes, M. A. (2018). Chlorella and spirulina microalgae as sources of functional foods, nutraceuticals, and food supplements. *MOJ Food Processing & Technology*, 6(1), 45-58. doi:10.15406/mojfpt.2018.06.00144
- Anggraini, M. D., Elystia, S., & Andrio, D. (2023). Potensi Mikroalga Chlorella sp untuk Menghilangkan Nutrien dari Grey Water pada Sistem Reaktor Biofilm Batch Sequencing. *Jurnal Sains dan Teknologi*, 229-241. doi:https://doi.org/10.23887/jstundiksha.v12i1.51431
- Arifiyanti, A., Kartini, N. A., & Tasim, B. (2020). Bioetanol dari Biji Nangka dengan Proses Likuifikasi dan Fermentasi menggunakan *Saccromyces cerevisiae*. *Journal of Chemical and Process Engineering ChemPro Journal*.
- Atmaja, D. S. (2013). Isolasi, Purifikasi dan karakterisasi α -Amilase dari *Trichoderma viride* FNCC 6013. *Chem Info* , 85 - 93.
- Bhange, K., Caturvedi, V., & Renu Bhatt. (2016). Ameliorating effects of chicken feathers in plants promotion activity by a keratinolytic strain of *bacillus subtilis* PF1. *Bioresources and Bioprocessing*, 1-10.
- Cahyani, F. R., & Isman, H. S. (2022). Potency of Chlorella spp. as an Antioxidant and Anti-Inflammatory Agent. *Journal of Vocational Health Studies*, 203-211. doi:10.20473/jvhs.V5.I3.2022.203-211
- Chakraborty, S. e. (2020). Genetic enhancement of *Aspergillus oryzae* for improved amylase production. *Microbial Cell Factories*, 19(1), 45. doi:https://doi.org/10.1186/s12934-020-01332-6
- Costa, D. (2020, September Rabu). *Revista Brasileira de Zootecnia*. Dipetik Desember Jumat, 2023, dari <https://rbz.org.br/article/chlorella-pyrenoidosa-supplementation-increased-the-concentration-of-unsaturated-fatty-acids-in-the-rumen-fluid-of-cattle-fed-a-low-quality-tropical-forage/>
- Far, B. E., Ahmad, Y., Khoroshahi, A. Y., & Dilmaghani, A. (2020). Microbial Alpha Amylase Production: Progress, Challenges and Perspectives. *Advanced Pharmaceutical Bulletin*, 350-358.

- Garcia, M. A., & Lopez, J. (2019). Efficiency of *Aspergillus niger* amylase in hydrolyzing starch for bioethanol production. *Renewable Energy*, 135, 1047-1053. doi:<https://doi.org/10.1016/j.renene.2018.12.018>
- Hasanah, N. (2015). Analisis Kadar Glukosa Menggunakan Metode DNS (Dinitrosalicylic Acid). *Jurnal Kimia*, 8(2), 150-156.
- Hlima, H. B., Carray, A., Dammark, M., Elleuch, F., Michaud, P., Fendri, I., & Ramping, Y. A. (2021). Prediksi Produksi dan Struktur Amilase dari *Chlorella vulgaris*. *Environ Sci Pollut Res*, 51046-51059.
- Hn, Muliasari, H., & Permatasari, L. (2022). Initial study of activity test of amylase enzyme from plants qualitatively based on differences in temperature and substrate concentration. *Journal of Agritechology and Food Processing*, 29-34.
- Jannah, S. N., Hanifa, Y. R., & Utomo, A. B. (2021). Isolasi dan Potensi Enzim Hidrolase Bakteri Simbion *Padina* sp. dari Pantai Lengkuas Belitung. *Bioma*, 11-17.
- Jones, A., & Patel, R. (2016). Characterization of amylase from *Aspergillus oryzae*: Optimizing enzymatic conditions for industrial applications. *Biotechnology Letters*, 38(4), 661-670. doi:<https://doi.org/10.1007/s10529-016-2027-2>
- Julianti, E., & Fathurohman, M. (2018). Isolate of Heterotrophic Microalgae *Thraustochytrium Aureum* as A Potential Source for Docosahexaenoic Acid (DHA). *Mar. Res. Indonesia*, 79-86.
- Julianti, E., Fathurohman, M., Damayanti, S., & Kartasasmita, R. E. (2018). Isolate of Heterotrophic Microalgae *Thraustochytrium Aureum* as A Potential Source for Docosahexaenoic Acid (DHA). *Mar. Res. Indonesia*, 79-86.
- Kim, H. J. (2017). The role of amylase in the production of glucose syrup from starch. *Food Chemistry*, 221, 173-179. doi:<https://doi.org/10.1016/j.foodchem.2016.10.008>
- Kizhakedathil, M. P., & Devi, S. (2021). Acid stable α -amylase from *Pseudomonas balearica* VITPS19—Production, purification and characterization. *Biotechnology Reports*, 1-8.
- Kurnia, D., Rosliana, E., Juanda, D., & Nurochman, Z. (2020). Aktivitas Antioksidan Dan Penetapan Kadar Fenol Total Dari Mikroalga *Chlorella vulgaris*. *Jurnal Kimia Riset*, 14-21.
- Kusuma, Rahmi, Kurniawati, Rusdan, & Widyanto. (2017). *Pengawasan Mutu Makanan*. Malang: Universitas Brawijaya Press.
- Mahardhika, W. A., Ramadhany, W., & Lunggani, A. T. (2021). Karakterisasi dan penapisan enzim protease, amilase, serta selulase, isolat kapang filoplan

- Avicennia marina (Forssk) Vierh. *Jurnal Biologi Universitas Andalas*, 9, 54-59. doi:10.25077/jbioua.9.2.54-59.2021
- Nisa, N. (2020). Pengukuran Aktivitas Enzim Amilase Menggunakan Metode DNS. *Jurnal Bioteknologi*, 15(2), 105-110.
- Novitasari, D. T., Purnomo, P. W., Jati, O. E., Ayuningrum, D., & Sabdaningsih, A. (2021). Skrining Bakteri Penghasil Enzim Amilase dari Sedimen Tambak Udang Vannamei (*Litopenaeus vannamei*). *Journal of Fisheries and Marine Research*, 297-303.
- Othman, N. H., & Yusof, M. (2018). Advances in the production of amylase using *Aspergillus* spp. A review. *International J of Food Science & Technology*, 53(12), 2055-2064. doi:https://doi.org/10.1111/ijfs.13882
- Patil, R. S., & Dandge, P. B. (2014). Industrial applications of amylase. *Journal of Chemical and Pharmaceutical Research*, 6(3), 217-220.
- Posoongnoen, S., & Thummavongsa, T. (2020). Purification and characterization of thermostable α -amylase from germinating Sword bean (*Canavalia gladiata* (Jacq.) DC.) seeds. *Plant Biotechnology*, 31-38. doi:DOI: 10.5511/plantbiotechnology.19.1209b
- Pulungan, M. (2018). Metode Uji Katalase pada Bakteri. *Jurnal Mikrobiologi*, 5(2), 123-130.
- Puspitasari, G., Safrihatini, W., & Umam, K. (2019). Studi Kinetika Reaksi dari Enzim alpha-amilase pada proses penghilangan kanji kain kapas. *Arena Tekstil*, 1-6.
- Putri, D. S., Marianah, & Ihromi, S. (2018). Isolasi Mikroalga Laut dari pantai Mapak Pulau Lombok. *Jurnal Argotek*, 91-95.
- Raharja, R. (2018). Produksi Bioetanol dari Tetes Tebu oleh Instant Dry Yeast *Saccharomyces cerevisie* (Kajian Pengaruh Pretreatment dan Konsentrasi Gula).
- Rahmasari, D., Wijanarka, Pujiyanto, S., Rahmani, N., & Yopi. (2016). Pemurnian Parsial dan Karakterisasi Amilase dari Bakteri Laut *Arthrobacter arilaitensis* LBF-003. *Jurnal Biologi Indonesia*, 129-136.
- Rahmawati. (2019). Alternatif Bahan Baku Bioetanol dari Mikroalga *Chlorella pyrenoidosa* yang Dikultivasi dengan Variasi Intensitas Cahaya dan Konsentrasi Palm Oil Mill Effluent (POME). *Jurnal Pertanian*, 201-203.
- Ramadhan, B., & Wikandari, P. R. (2021). Aktivitas Enzim Amilase dari bakteri Asam Laktat (Karakteristik dan Aplikasi). *UNESA Journal of Chemistry*, 109-120.

- Ranjan, P., & Rani, R. (2020). Production and applications of microbial amylase. *A review. Biotechnology Reports*, 25. doi:<https://doi.org/10.1016/j.btre.2020.e00423>
- Safitri, N. (2022). Analisis kandungan Protein dalam Mikroalga *Nitzschia* sp. dari Hutan Mangrove Lampung Timur. *matematika dan Ilmu Pengetahuan*, 1-49.
- Salim, M. A. (2022). *MikroAlga dalam Riset Biologi*. Bandung: Yayasan Lembaga Pendidikan dan Pelatihan Multiliterasi.
- Santos, J. C. (2023). Sustainable bioethanol production from first-and second-generation sugar-based feedstocks: Advanced bibliometric analysis. *Biosource Technology Reports*, 1-21.
- Sedeghi, M., Tomaru, Y., & Ahola, T. (2021). RNA Viruses in Aquatic Unicellular Eukaryotes. *Viruses*, 1-21.
- Setiawan, A. (2022). Keanekaragaman Hayati Indonesia: Masalah dan Upaya Konservasinya. *Indonesian Journal of Conservation*, 13-21.
- Sharma, V. K., Sharma, M., Usmani, Z., Pandey, A., Tabatabaei, B. M., & Gupta, V. K. (2022). Tailored enzymes as next-generation food-packaging tools. *Trends in Biotechnology*, 1-14.
- Silaban, S., & Simamora, P. (2018). Isolasi dan Karakterisasi Bakteri Penghasil Amilase dari Sampel Air TAWar Danau Toba. *Jurnal Kimia dan Pendidikan*, 222-231.
- Singh, R. P., & Sharma, R. K. (2014). Recent trends in the use of *Aspergillus* for the production of amylase and its applications. *Journal of Microbiology and Biotechnology*, 4(3), 421-428.
- Singh, R. P., & Sharma, R. K. (2020). Recent advances in *Aspergillus* for amylase production and applications. *Critical Reviews in Microbiology*, 4(1), 45-60. doi:<https://doi.org/10.1080/1040841X.2019.1707471>
- Smith, J. D. (2015). Enhanced amylase production by *Aspergillus niger* under optimized fermentation conditions. *Journal of Applied Microbiology*, 119(5), 1422-1430. doi:<https://doi.org/10.1111/jam.12901>
- Sonune, N. (2018). Isolation, characterization and identification of extracellular enzyme producer *Bacillus licheniformis* from municipal wastewater and evaluation of their biodegradability. *Biotechnology Research & Innovation*, 27-44.
- Sreenikethanam, A., Raj, S., Gugulothu, P., & Bajhaiya, A. K. (2022). Genetic Engineering of Microalgae for Secondary Metabolite Production: Recent Developments, Challenges, and Future Prospects. *in Bioengineering and Biothechnology*, 1-14.

- Tasman, A. M., Dharma, A., & Syfrizayanti. (2020). Isolasi dan Identifikasi Spesies Mikroalga Air tawar Sebagai Antioksidan dan Antihiperqlikemik. *Jurnal Litbang Industri*, 61-71.
- Tasman, A. M., Dharma, A., & Syfrizayanti. (2020). Isolasi dan identifikasi spesies mikroalga air tawar sebagai bahan antioksidan dan antihiperqlikemik. *Jurnal Litbang Industri*, 61-71.
- Telussa, I., Fransina, E. G., Singerin, J., & Taipabu, M. I. (2023). Bioethanol Production From Topical Marine Microalgae Ambon Bay Navicula sp. of The Inner Ambon Bay Strain. *Indonesian Journal of Chemical Search*, 136-142.
- Timilsina, P. M., Pandey, G. R., Shrestha, A., Ojha, M., & Karki, T. B. (2020). Purification and characterization of a noble thermostable algal starch liquefying alpha-amylase from *Aeribacillus pallidus* BTPS-2 isolated from geothermal spring of Nepal. *Biotechnology Reports*, 1-9.
- Wang, X. e. (2021). Environmental and economic benefits of amylase application in bioethanol production. *Bioresource Technology Reports*, 14. doi:<https://doi.org/10.1016/j.biteb.2021.100617>
- Wangka, M., Wullur, S., Angkouw, E., Mamujaja, J., Tumbol, R., & Ginting, E. L. (2020). Analysis of Bacteria Community in the sediment from Bangka Island, North Sulawesi. *Jurnal Ilmiah Platax*, 196-203.
- Yani, & Montratama. (2018). Indonesia Sebagai Poros Maritim Dunia: Suatu Tinjauan Geopolitik. *Jurnal Pertahanan & Bela Negara*.
- Yuliana, A. (2018). *Biokimia Farmasi*. Surabaya: CV. Jakad Publishing.
- Zhou, L., & Xu, S. (2018). Application of *Aspergillus flavus* amylase in the desizing process of cotton fabric. *Textile Research Journal*, 88(18), 2104-2112. doi:<https://doi.org/10.1177/0040517517748585>