

DAFTAR PUSTAKA

- Barka, E. A., Vatsa, P., Sanchez, L., Gaveau-Vaillant, N., Jacquard, C., Klenk, H.-P., . . . Wezel, G. P. (2016). Taxonomy, Physiology, and Natural Products of Actinobacteria. *Microbiology and Molecular Biology Reviews* 80 (1), 2-16.
- Cai, Z., Wang, Y., & Yang, N. (2024). Introduction of Cellulolytic Bacterium *Bacillus velezensis* Z2.6 and Its Cellulase Production Optimization. *Microorganisms*, 5.
- Camejo, J. G., Aparicio, S., Paches, M., Borrás, L., & Seco, A. (2022). Comprehensive Assessment of The Microalgae-Nitrifying Bacteria Competition in Microalgae-Based Wastewater Treatment Systems: Relevant Factors, Evaluation Methods and Control Strategies. *Algal Research*, 16.
- Cano Lamadrid, M., Martínez-Zamora, L., & Mozafari, L. (2023). Response Surface Methodology to Optimize the Extraction of Carotenoids from Horticultural By-Products—A Systematic Review. *Foods*, 1-4.
- Chen, Y., Zhou, D., Qi, D., Gao, Z., Xie, J., & Luo, Y. (2018). Growth Promotion and Disease Suppression Ability of a *Streptomyces* sp. CB-75 from Banana Rhizosphere Soil. *Frontiers in Microbiology*, 2.
- Guan, Z., & Feng, Q. (2022). Chitosan and Chitooligosaccharide: The Promising Non-Plant-Derived Prebiotics with Multiple Biological Activities. *International Journal of Molecular Sciences*, 2.
- Hazarika, S. N., & Thakur, D. (2020). Actinobacteria. *Beneficial Microbes in Agro-Ecology*, 443-445.
- Hidayat, I. R., Zuhrotun, A., & Sopyan, I. (2021). Design-Expert Software sebagai Alat Optimasi Formulasi Sediaan Farmasi. *Jurnal Majalah Farmasetika* 6 (1) , 103.
- Kaczmarek, M. B. (2019). Enzymatic Modifications of Chitin, Chitosan, and Chitooligosaccharides. *Frontiers in Bioengineering and Biotechnology*, 2-4.
- Kaur, H., & Rahi, D. K. (2024). Response Surface Methodology-Based Optimisation of Chitin Production and Its Antioxidant Activity from *Aspergillus niger* . *Heliyon*, 6-7.
- Khubiev, O. M., Egorov, A. R., & Kirichuk, A. A. (2023). Chitosan-Based Antibacterial Films for Biomedical and Food Applications. *International Journal of Molecular Sciences*, 1-10.

- Kotb, E., H. Alabdallal, A., & I. Alghamdi, A. (2023). Screening for Chitin Degrading Bacteria in The Environment of Saudi Arabia and Characterization of The Most Potent Chitinase from *Streptomyces variabilis* Am1. *Scientific Reports*, 2.
- Kozma, M., Acharya, B., & Bissessur, R. (2022). Chitin, Chitosan, and Nanochitin: Extraction, Synthesis, and Applications. *Polymers*, 1.
- Kurniawan, A. P., Puspita, I. D., & Husni, A. (2022). Optimization of Medium Composition from *Streptomyces sp.* PB2 Chitinase Production Using Response Surface Methodology. *Jurnal Ilmiah Perikanan dan Kelautan* 14 (1), 2-3.
- Lit, Y., Liut, J., Díaz-Cruzt, G., Cheng, Z., & Bignell, D. R. (2019). Virulence Mechanisms of Plant-Pathogenic *Streptomyces* species: An Updated Review. *Microbiology*, 1025-1026.
- Liu, R., Deng, Z., & Liu, T. (2018). *Streptomyces* species: Ideal Chassis for Natural Product Discovery and Overproduction. *Metabolic Engineering*, 3.
- Maggadani, B. P., S. S., & Harmita. (2017). Skrining dan Evaluasi Aktivitas Kitinase dari Sembilan Isolat Bakteri Lokal. *Journal Pharmaceutical Sciences and Research* 4 (1), 14.
- Meriem, G., & Mahmoud, K. (2017). Optimization of Chitinase Production by A New *Streptomyces griseorubens* C9 Isolate Using Response Surface Methodology. *Ann Microbiol*, 176.
- Nadhifah, H., Rahmani, N., Mangunwardoyo, W., Yopi, Atikana, A., Ratnakomala, S., & Lisdiyanti, P. (2023). Xylanopectinolytic Enzymes by Marine *Actinomycetes* from Sediments of Sarena Kecil, North Sulawesi: High Potential to Produce Galacturonic Acid and Xylooligosaccharides from Raw Biomass. *Journal of Genetic Engineering and Biotechnology* 21 (31), 2.
- Ngamcharungchit, C., Chaimusik, N., Panbangred, W., Euanorasetr, J., & Intra, B. (2023). Bioactive Metabolites from Terrestrial and Marine *Actinomycetes*. *Molecules*, 1-19.
- Ngamkhae, N. (2022). Optimization of Extraction Method for Kleeb Bua Daeng Formula and Comparison Between Ultrasound-Assisted and Microwave-Assisted Extraction. *Journal of Applied Research on Medicinal and Aromatic Plants* 28, 2.
- Oliveira, E. G., Filho, C. A., & Rodrigues, R. A. (2023). An Overview of Viral Chitinases: General Properties and Biotechnological Potential. *Experimental Biology and Medicine*, 2053-2058.

- Pandey, P., Meher, K., Falcao, B., & Lopus, M. (2023). Tryptone-Stabilized Silver Nanoparticles Potential to Mitigate Planktonic and Biofilm Growth Forms of *Serratia marcescens*. *Journal of Biological Inorganic Chemistry*, 141.
- Parwati, P. A., Kawuri, R., & Watiniasih, N. L. (2018). Isolasi dan Identifikasi *Streptomyces spp.* Penghasil Enzim Kitinase dari Lumpur Selokan. *Jurnal Metamorfosa* 5 (1), 100.
- Paw, J. K., Kiong, T. S., & Kamarulzaman, M. K. (2023). Advancing Renewable Fuel Integration: A Comprehensive Response Surface Methodology Approach for Internal Combustion Engine Performance and Emissions Optimization. *Heliyon*, 3.
- Pawitra, M. D., Indrayanti, E., Yusuf, M., & Zainuri, M. (2022). Sebaran Sedimen Dasar Perairan dan Pola Arus Laut Di Muara Sungai Loji, Pekalongan. *Indonesia Journal of Oceanography (IJOCE)* 4 (3), 22-31.
- Pratiwi, R. D., Muttaqien, S. E., & Gustini, N. (2023). Eco-Friendly Synthesis of Chitosan and Its Medical Application: from Chitin Extraction to Nanoparticle Preparation. *ADMET & DMPK* 11 (4), 436-437.
- Pratiwi, R. S., Susanto, T. E., Wardani, Y. A., & Sutrisno, A. (2015). Enzim Kitinase dan Aplikasi Di Bidang Industri: Kajian Pustaka. *Jurnal Pangan dan Agroindustri* 3 (3), 878-880.
- Purwanti, A., & Yusuf, M. (2014). Evaluasi Proses Pengolahan Limbah Kulit Udang untuk Meningkatkan Mutu Kitosan yang Dihasilkan. *Jurnal Teknologi* 7 (1), 84.
- Rajeswari, P., Jose, P. A., Amiya, R., & Jebakumar, S. D. (2015). Characterization of Saltern Based *Streptomyces sp.* and Statistical Media Optimization for Its Improved Antibacterial Activity. *Frontiers in Microbiology*, 1-2.
- Soares, F. E., Gouveia, A. S., Queiroz, J. H., & Braga, F. R. (2015). Statistical Screening for The Chitinase Production By *Nematophagous* Fungi from *Monacrosporium* Genus. *African Journal of Microbiology Research* 8 (10), 2-3.
- Soedirga, L. C., Hardoko, & Widiyanto, N. V. (2019). Produksi N-asetilglukosamin dari Kitinase Semi Murni *Mucor circinelloides* yang Diimobilisasi dengan Menggunakan Agar. *Jurnal Perikanan* 21 (2), 101.
- Soeka, Y. S., & Triana, E. (2016). Pemanfaatan Limbah Kulit Udang untuk Menghasilkan Enzim Kitinase dari *Streptomyces macrosporeus* InaCC A454. *Jurnal Kimia Terapan Indonesia* 18 (1), 92-98.

- Soraya, Z., Indrayani, S., & Chadijah, A. (2022). Pemanfaatan Limbah Kulit Udang dalam Pembuatan Produk Pembersih Toilet Guna Menanggulangi Penyebaran Bakteri. *Jurnal Pengabdian Kepada Masyarakat Membangun Negeri* 6 (1), 266.
- Suryadi, Y., Susilowati, D., Samudra, I. M., Permatasari, M., & Ambarsari, L. (2020). Karakterisasi Kitinase Isolat Bakteri Rhizosfir Asal Cianjur dan Aktivitasnya terhadap Patogen *Colletotrichum sp.* *Bioma* 9 (1), 55.
- Suryani, Abdullah, N. A., Akib, N. I., Ruslin, Ramadhan, L. O., Anton, & Aswan, M. (2023). Optimasi Depolimerisasi Kitosan Menggunakan Asam Asetat dengan Variasi Suhu, Waktu, dan Konsentrasi. *Jurnal Mandala Pharmacon Indonesia* 9 (2), 365.
- Venkataraghavan, R., Thiruchelvi, R., & Sharmila, D. (2020). Statistical Optimization of Textile Dye Effluent Adsorption By *Gracilaria edulis* Using Plackett-Burman Design and Response Surface Methodology. *Heliyon* 6, 2.
- Warda. (2016). Application of Plackett Burman and Central Composite Design for the Optimization of Novel *Brevundimonas diminuta* KT277492 Chitinase Production, Investigation of Its Antifungal Activity. *Brazilian Archives of Biology and Technology* 59, 4.
- Yazici, S. O., Sahin, S., Biyik, H. H., Geroglu, Y., & Ozmen, I. (2021). Optimization of Fermentation Parameters for High-Activity Inulinase Production and Purification from *Rhizopus oryzae* by Plackett-Burman and Box-Behnken. *Journal Food Science Technology*, 743-744.
- Zakiyyah, S. N., Eddy, D. R., Firdaus, M. L., Subroto, T., Wahyuni, Y., & Hartati. (2023). Desain Eksperimental Box-Behnken untuk Aptasensor Elektrokimia Optimasi pada Elektroda Karbon Sablon/Silika-Ceria. *Jurnal Kimia Valensi* 9 (1), 2.