DAFTAR PUSTAKA

Agustina, H., & Izzati, N. (2020). Identifikasi dan Uji Resistensi Mikroba Terhadap Antibiotik Chloramphenicol di Sungai Brang Biji Sumbawa. *Journal of Tropical Bioresources and Biotechnology*, *2017*, 17–20.

Agustini, N. W. S., & Setyaningrum, M. (2018). Screening Fitokimia, Uji Aktivitas Antimikroba dan Antioksidan, serta Identifikasi Senyawa dari Ekstrak Biomassa Chlorella vulgaris. *Warta IHP/Journal of Agro-Based Industry*, *35*(1), 29–37.

Ali, S. S., Al-Tohamy, R., Al-Zahrani, M., Schagerl, M., Kornaros, M., & Sun, J. (2025). Advancements and challenges in microalgal protein production: A sustainable alternative to conventional protein sources. *Microbial Cell Factories*, *24*(1), 1–23. https://doi.org/10.1186/s12934-025-02685-1

Almalla, A., Elomaa, L., Bechtella, L., Daneshgar, A., Yavvari, P., Mahfouz, Z., Tang, P., Koksch, B., Sauer, I., Pagel, K., Hillebrandt, K. H., & Weinhart, M. (2023). Papain-Based Solubilization of Decellularized Extracellular Matrix for the Preparation of Bioactive, Thermosensitive Pregels. *Biomacromolecules*, *24*(12), 5620–5637. https://doi.org/10.1021/acs.biomac.3c00602

Anggi prantika, S., Susanti, D., & Nofita, N. (2024). Uji Aktivitas Antibakteri Ekstrak Etanol Daun Binahong (Anredera cordifolia (Ten.) Steenis) Terhadap Bakteri Staphylococcus epidermidis Dan Propionibacterium acnes. *CERATA Jurnal Ilmu Farmasi*, *15*(1), 67–76. https://doi.org/10.61902/cerata.v15i1.910

Bahar, H. S., Djunaedi, A., & Widianingsih, W. (2022). Perbedaan Lama Fotoperiode Terhadap Total Lipid Kultur Mikroalga Chlorella vulgaris.*Journal of Marine Research*, *11*(1), 92–97. https://doi.org/10.14710/jmr.v11i1.32211

Balouiri, M., Sadiki, M., & Ibnsouda, S. K. (2016). Methods for in vitro evaluating antimicrobial activity: A review. *Journal of Pharmaceutical Analysis*, *6*(2), 71–79. https://doi.org/10.1016/j.jpha.2015.11.005

Brown, C. E., & Hyslop, R. M. (2024). Presenting Biochemistry Topics through a Systems Thinking Approach. *Journal of Chemical Education*, *101*(8), 3284–3291. https://doi.org/10.1021/acs.jchemed.4c00285

Cunha, S. A., Coscueta, E. R., Nova, P., Silva, J. L., & Pintado, M. M. (2022). Bioactive Hydrolysates from Chlorella vulgaris: Optimal Process and Bioactive Properties. *Molecules*, *27*(8). https://doi.org/10.3390/molecules27082505

Daliri, E. B. M., Oh, D. H., & Lee, B. H. (2017). Bioactive peptides. *Foods*, *6*(5), 1–21. https://doi.org/10.3390/foods6050032

Dan, B., Biduri, P., & Kadar, T. (2018). *Studi Literatur Pengaruh Enzim Protease (Papain , Pada Ikan Laut Menggunakan Metode Spektrofotometri Dan Kjedal*. 1–9.

Detrell, G. (2021). Chlorella Vulgaris Photobioreactor for Oxygen and Food Production on a Moon Base—Potential and Challenges. *Frontiers in Astronomy and Space Sciences*, *8*(July), 1–10. https://doi.org/10.3389/fspas.2021.700579

Dharani, V. (2013). Fourier transform infrared (FTIR) spectroscopy for the analysis of lipid from chlorella vulgaris. */ Elixir Appl. Biology*, *61*, 16753. https://www.researchgate.net/publication/278158162

Djenar, N. S., & Suryadi, J. (2022). Isolasi dan Pemurnian Protein dari Lembaga Jagung (Corn Germ) Menggunakan Metode Presipitasi dan Dialisis. *KOVALEN: Jurnal Riset Kimia*, *8*(1), 60–66. https://doi.org/10.22487/kovalen.2022.v8.i1.15790

Firdausi, N. I. (2020). No Analisis struktur kovarians indikator terkait kesehatan pada lansia yang tinggal di rumah, dengan fokus pada rasa subjektif terhadap kesehatan

Gunarti, D. R., Rahmi, H., & Sadikin, M. (2013). Isolation and Purification of Thiamine Binding Protein from Mung Bean. *HAYATI Journal of Biosciences*, *20*(1), 1–6. https://doi.org/10.4308/hjb.20.1.1

Hildebrand, G., Poojary, M. M., O'Donnell, C., Lund, M. N., Garcia-Vaquero, M., & Tiwari, B. K. (2020). Ultrasound-assisted processing of Chlorella vulgaris for enhanced protein extraction. *Journal of Applied Phycology*, *32*(3), 1709–1718. https://doi.org/10.1007/s10811-020-02105-4

Huang, Y., Huang, J., & Chen, Y. (2010). Alpha-helical cationic antimicrobial peptides: Relationships of structure and function. *Protein and Cell*, *1*(2), 143–152. https://doi.org/10.1007/s13238-010-0004-3

Iduantoro, C. P., Zuraida, I., Sulistiawati, S., Mismawati, A., & Pamungkas, B. F. (2024). Potensi Peptida Bioaktif Dari Hasil Samping Perikanan Sebagai Antihipertensi Dan Antioksidan-Review. *Media Teknologi Hasil Perikanan*, *12*(1), 19–26. https://doi.org/10.35800/mthp.12.1.2024.52202

Irvani, N., Leong, S.Y., Carne, A. *et al.* Impact of High-Speed Homogenisation Followed by pH Treatment of *Arthrospira platensis* on Protein Accessibility and In Vitro Protein Digestibility. *Food Bioprocess Technol* **17**, 2421–2434 (2024). https://doi.org/10.1007/s11947-023-03269-w

Kasmawati. (2021). Karakterisasi Berat Molekul Protein Hasil Fraksinasi Enzim Selulase Dari Candida utilis. *Jurnal Al-Ulum*, *12*(90500120088), 77–96.

Lestari, S. M., Camelia, L., Rizki, W. T., Pratama, S., Khutami, C., Amelia, A., Rahmadevi, R., & Andriani, Y. (2024). hytochemical Analysis and Determination of MIC and MFC of Cacao Leaves Extract (Theobroma cacao L.) against Malassezia furfur. *Jurnal Jamu Indonesia*, *9*(2), 53–66. https://doi.org/10.29244/jji.v9i2.316

Maryam, S., Effendi, N., & Kasmah, K. (2019). Produksi dan Karakterisasi Gelatin dari Limbah Tulang Ayam dengan Menggunakan Spektrofotometer Ftir (Fourier Transform Infra Red). *Majalah Farmaseutik*, *15*(2), 96.

https://doi.org/10.22146/farmaseutik.v15i2.47542

Mauliddiyah, N. L. (2021). *No* Uji Aktivitas Antibakteri Protein Dan Peptida Bioaktif Dari Bakteri Simbion Eksofit Dan Nedofit Alga Merah Eucheuma cottonii *Title*. 6.

Monika, A. (2021). Uji biuret. *Metode*, *November*, 53.

Nugrahani, I., Oktaviary, R., Ibrahim, S., Gusdinar, T., & Apsari, C. (2020). FTIR Method for Peptide Content Estimation and Degradation Kinetic Study of Canarium Nut Protein. *Indonesian Journal of Pharmacy*, *31*(2), 78–83. https://doi.org/10.14499/indonesianjpharm31iss2pp78

Prayitno, J. (2016). Pola Pertumbuhan dan Pemanenan Biomassa dalam Fotobioreaktor Mikroalga untuk Penangkapan Karbon. *Jurnal Teknologi Lingkungan*, *17*(1), 45. https://doi.org/10.29122/jtl.v17i1.1464

Purwanto, M. G. M. (2016). The Role and Efficiency of Ammonium Sulphate Precipitation in Purification Process of Papain Crude Extract. *Procedia Chemistry*, *18*(Mcls 2015), 127–131. https://doi.org/10.1016/j.proche.2016.01.020

Rahmi, H., Hariyanti, ., Ariyanti, R. P., & Wulandari, D. (2020). Analisis Hasil Fraksinasi Protease Dan Lipase Yang Berasal Dari Saluran Pencernaan Udang Vaname (Litopenaeus vannamei). *Jurnal Bioteknologi & Biosains Indonesia (JBBI)*, *7*(2), 194–202. https://doi.org/10.29122/jbbi.v7i2.3994

Rompas, S. A. T., Wewengkang, D. S., & Mpila, D. A. (2022). Antibacterial Activity Test Of Marine Organisms Tunicates Polycarpa aurata Against Escherichia coli AND Staphylococcus aureus. *Pharmacon*, *11*(1), 1271–1278.

Rusydan, A. M., & Zulfaidah, N. T. (2024). Peptida Bioaktif: Menjelajahi Potensi Dan Tantangan Menuju Pangan Masa Depan. *Jurnal Farmasi SYIFA*, *2*(2), 56–67. https://doi.org/10.63004/jfs.v2i2.461

Sari, M., & Moulina, M. A. (2020). The Effect of Variation of Sample Soaking Timing and. *Agritepa*, *VII*(1), 51–56.

Sanjaya, W., Rialita, A., & Mahyarudin, M. (2021). Aktivitas Antijamur Ekstrak

Etanol Daun Cengkodok (Melastoma malabathricum) Terhadap Pertumbuhan Malassezia furfur. *Jurnal Fitofarmaka Indonesia*, *8*(1), 23–32. https://doi.org/10.33096/jffi.v8i1.614

Sanjaya, W., Rialita, A., & Mahyarudin, M. (2021). Aktivitas Antijamur Ekstrak Etanol Daun Cengkodok (Melastoma malabathricum) Terhadap Pertumbuhan Malassezia furfur. *Jurnal Fitofarmaka Indonesia*, *8*(1), 23–32. https://doi.org/10.33096/jffi.v8i1.614

Sufandi, M. R., Siswanto, L., Hasan, H., Studi, P., Rekayasa, T., Elektronika, S., Pontianak, P. N., Jalan, A., Pontianak, K., Barat, P. K., Studiteknik, P., Jurusan, I., Pontianak, P. N., Yani, J. A., Pontianak, K., Barat, P. K., & Model, W. (2023). *Jurnal Pendidikan Informatika dan Sains*. *12*(1), 66–79. https://doi.org/10.31571/saintek.v13i2.7957

Tamam, B., Syah, D., N. Lioe, H., T. Suhartono, M., & Ananta Kusuma, W. (2018). Beberapa Penciri Berbasis Sekuens Untuk Mengenali Sifat Fungsional Peptida Bioaktif: Studi Eksplorasi. *Jurnal Teknologi Dan Industri Pangan*, *29*(1), 1–9. https://doi.org/10.6066/jtip.2018.29.1.1

Ummah, M. S. (2019). No Pengaruh Protein Diet Terhadap Indeks Glikemik Title. *Sustainability (Switzerland)*, *11*(1), 1–14.

Warella, J. C., Wahyu Widodo, A. D., Setiabudi, R. J., Roestamadji, R. I., Rochmanti, M., & Lestari, P. (2021). *Antimicrobial Potential Activity of Extract Selaginella plana (Desv. Ex Poir.) Hieron against the Growth of Staphylococcus aureus ATCC 25922 and Methicillin-Resistance Staphylococcus aureus (MRSA)*. *Jimc 2020*, 245–253. https://doi.org/10.5220/0010490802450253

Xiong, K., Liu, J. Y., Wang, X. Y., Sun, B. G., Zhao, Z. Y., Pei, P. G., & Li, X. Y. (2022). Preparation of high fischer ratio oligopeptide of chlorella powder using specific enzymatic hydrolysis. *Food Science and Technology (Brazil)*, *42*. https://doi.org/10.1590/fst.42220

Verulkar, S. (2022). Comparative analysis of different protein estimation methods.

The Pharma Innovation Journal, *11*(4), 2091–2095. www.thepharmajournal.com