

DAFTAR PUSTAKA

- Agatonovic-Kustrin, S, D. W. Morton, and P. Ristivojevic. 2016. Assessment of Antioxidant Activity in Victorian Marine Algal Extracts Using High Performance Thin-Layer Chromatography and Multivariate Analysis. *Journal of Chromatography A.*, 1468: 228–35.
- Anggraini, A. & Yuniarta. 2015. Pengaruh Suhu dan Lama Hidrolisis Enzim Papain Terhadap Sifat Kimia, Fisika dan Organoleptik Sari Edamame. *Jurnal Pangan dan Agroindustri*, 3: 1015 – 1025.
- Ardiana, N., A.S. Abidin, B.T.K. Ilhami, A.L. Sunarwidhi, S. Widyastuti, H. Sunarpi, E.S. Prasedya. 2021. *Evaluation antioxidant capacity and proximate composition in brown seaweed *S. crassifolium* found in Lombok coast, Indonesia*. *IOP Conf. Series: Earth and Environmental Science* (913): 1-7.
- Asmi, N. A.Ahmad, H. karim, M,N, Massi, H, Natsir, A. Karim, P. Taba, Z. Dwyana and M. Ibrahim.2020. *Antibacterial Effect of Protein and Protein Hydrolysates Isolated From Bacteria Enterobacter hormaechei Associated With marine Algae Sargassum sp.* *Rasayan J, Chem*, 13(3): 1606 – 1611.
- Asmi, N. A. Ahmad., M.N. Massi, and H. Natsir. 2019. *The potency of protein Hydrolysate from Epiphytic bacteria associated with brown algae Sargassum sp. as anticancer agents*. *Journal of Physics: Conference Series*, 1341: 1-5.
- Barbarino, E., & S.O. Lourenco. 2005. *An evaluation of methods for extraction and quantification of protein from marine macro – and microalgae*. *Journal of Applied Phycology*, 17: 447-460.
- Beaulieu, L., Bondu, S., Doiron, K., Rioux, L.E. dan Turgeon, S.L. 2015. Characterization of antibacterial activity from protein hydrolysates of the macroalga *Saccharina longicruris* and identification of peptidas implied in bioactivity. *Journal of Functional Foods*. 17:685-697.
- Bradford., M. M. 1976. A. Rapid & Sensitive Methode for the Quantitation of Microgram Quantities of Protein Utilizing the Principle of Protein-Dye Binding, *Analytical Biochemistry*, 72:248-254.
- Dewinta, A.F., I. E. Susetya, & M. Suriani. 2020. *Nutritional Profile Of Sargassum Sp. From Pane Island, Tapanuli Tengah As A Component Of Functional Food*. *J. Phys. Conf. Ser*, 1542: P. 012040.
- Fahriza, A. 2014. *Penapisan Lektin Beberapa Spesies Alga Hijau Asal Pantai Sepanjang (Yogyakarta) dan Pantai Binuangen (Banten)*. Skripsi. Jurusan Biologi IPB.
- Georgiou, C. D., Grintzalis, K., Zervoudakis, G., & Papapostolou, I. 2008. *Mechanism of coomassie brilliant blue G-250 binding to proteins: A hydrophobic assay for nanogram quantities of proteins*. *Analytical and Bioanalytical Chemistry* 391(1): 391–403.
- Jang, J., H.G. hur, M.J. Sadwosky, M. N. Byappanahalli, T. Yan, and S. Ishii. 2017. *Environmental Escherichia coli : ecology and public health implications – a review*. *Journal Applied Microbiolgy* : 570 – 578.



- Jemil I, Jridi M, Nasri R, Ktari N, Salem RBS, Mehiri M, Hajji M, Nasri M. 2014. Functional, antioxidant and antibacterial properties of proteinhydrolysates prepared from fish meat fermented by *Bacillus subtilis* A26. *Process Biochemistry*.30: 1-10.
- Kepel, R.C., D.M.H. Mantiri, dan Nasprianto. 2018. Biodiversitas Makroalga di Perairan Pesisir Tongkaina, Kota Manado. *JurnalIlmiahPlatax*
- Kusumah, S.H., R. Andoyo, & T. Rialita. 2019. Protein isolation techniques of beans using different methods : a review. *International conference on Food and Bio-Industry*, 1-9.
- Lee, C. H. 2016. A simple outline of Methods for Protein Isolation and Purification. *Endocrinology and Metabolism*, 32 : 18-22.
- Limantara dan Heriyanto, 2010. *Studi Komposisi Pigmen dan Kandungan Fukosantin Rumput Laut Cokelat dari Perairan Madura dengan Kromatografi Cair Kinerja Tinggi. J. Ilmu Kelautan*, 15(1):23-32.
- Luo HY, Wang B, Li ZR, Chi CF, Zhang QH, He GY. 2012. Preparation and evaluation of antioxidant peptida from papain hydrolysate of *Sphyrna lewini* muscle protein. *Food Science Technology*. 51: 281- 288.
- Lobo, V. 2010. Free Radicals, antioxidants and functional foods: Impact on Human Health. *Pharmacognosy Reviews*, 4(8):p. 118.
- Maleta, H.S., R. Indrawati, L. Limantara, dan T.H.P Brotosudarmo. 2018. *Ragam metode ekstraksi karotenoid dari sumber tumbuhan dalam dekade terakhir (Telaah Literatur)*. *Jurnal Rekayasa Kimia dan Lingkungan*. 13(1): 40-50.
- Margiati, D., D. Ramdhani, A. P. Wulandari. 2017. *Comparative Study of Antioxidant Phycocyanin Extracts Activity between S. platensis with S. fusiformis Using DPPH Method. Indonesian Journal of Pharmaceutical Science and Technology*, (2): 52 – 58.
- Marianingsih, P., E. Amelia, dan T. Suroto. 2013. Inventarisasi dan Identifikasi Makroalga di Perairan Pulau Untung Jawa. *Prosiding SEMIRATA*, 1(1).
- Molyneux, P. 2004. The use e of the stable free radical diphenylpicryl-hydrazyl (DPPH) for estimating antioxidant activity. *Songklanakarin Journal of Science and Technology*, 26(2): 211-219.
- Muhamyankaka,V. Shoemaker, C. F. , Nalwoga, M. & Zhang, X. M. 2013. *Physicochemical Properties of Hydrolysate from Enzymatic Hydrolysis of Pumpkin (Cucurbita moschata) Protein Meal. International Food Research Journal*, 20: 2227-22440.
- Najafian L dan Babji AS. 2012. A review of fishderived antioxidant and antimicrobial peptidas: their production, assessment, and applications. *Peptidas*. 33: 178-185.
- Novianti, S & A. Arisandi. 2021. *Analisis Kosentrasi Kadar Lemak, Protein, Serat Dan Karbohidrat Alga Coklat (Sargassum Crassifolium) Pada Lokasi Yang Berbeda. Juv. Ilm. Kelaut. Dan Perikan*, 2(1): pp. 32–38.
- Nugroho, A.E., Yuniarti, N., Estyastono, E.P., Supardjan & Hakmin, L. 2006. Determination of Antioxidant Activity of Dehydrozingeron Through Hydroxy Radical Scavengers Using Deoxyribose Method. *Majalah Farmasi Indonesia*, 17: 116-122.
- Nurjanah, Hidayat, T., & Abdullah, A. 2019. *Pengetahuan Bahan Baku Industri Hasil Perairan: Penuntun Praktikum*. Bogor: PT Penerbit IPB Press. Hal. 65.



- Nurusholah, T., W.F. Ma'ruf, R. Ibrahim. 2014. *Pengaruh Perbedaan Penambahan Konsentrasi $ZnCl_2$ Dalam Ekstrak Kasar Pigmen Klorofil Rumput Laut *Sargassum* Sp. Terhadap Stabilitasnya. Jurnal Pengolahan dan Bioteknologi Hasil Perikanan*, 3(1): 89-97.
- Oduntan, O., A. & Masigie, K. P. 2011. A Review of the role of oxidative stress in the pathogenesis of eye diseases. *African Vision and Eye Health*, 70(4):pp 191-199.
- Oleinik, G., Dario, P.P., de Morais Gasperin, K., [Benvegnú](#), D.M., [Lima](#), F.O.,
- Pace, C.N. Trevino, S., Prabhakaran, E., & Scholtz. J. M. 2004. Protein Structure, Stability & Solubility in Water & Other Solvents. *Phil. Sac. Land*. The Royal Society.
- Pratiwi, A.R., I. Fadhilah, V.K. Ananingsih, Meiliana. 2021. *Protein dan Asam Amino pada Edible *Sargassum aquifolium*, *Ulva lactuca* dan *Gracilariopsis longissimi*.*, *JPHPI*, 24(3): 337-346.
- Rachmawati, A.I. B. 2015. Uji Efektivitas Protein Hidrolisat Biji Melinjo (*Gnetum gnemmon* L.) sebagai Agen Antibakteri. Skripsi. Fakultas Farmasi Universitas Jember.
- Ramana, K.V., Srivastava, S., & Singhal, S.S. 2013. *Lipid Peroxidation Products in Human Health. Oxidative Medicine and Cellular Longevity*, 2013: 1-3.
- Soe-Htun, U., & T. Yoshida. 1986. *Studies on morphological variation in *Sargassum cristaeifolium* C. Agardh (Phaeophyta, Fucales)*. *Jap. J. Phycol (Sorui)*, 34: 275-281.
- O' Connor, J. Meaney, S. Williams, G.A. Hayes, M. 2005. *Extraction of Protein from Four Different Seaweeds Using Three Different Physical Pre-Treatment Strategies*. *Molecule* 2020: p.1-11.
- Pereira, E.M., de Mattos, C.S., dos Santos, O.C., Ferreira, D.C., [de Oliveira](#), T.L.R., Laport, M.S., [de Oliveira Ferreira](#), E. dan dos Santos, K.R.N. 2019. *Staphylococcus hominis* subspecies can be identified by SDS-PAGE or MALDI-TOF MS profiles. *Nature Scientific Reports*. 9. 11736.
- Radiena, M.S.Y. 2018. *Nuwewang Kecamatan Pulau Letti*, p.6.
- Sedjati, S., Suryono, A. Santosa, E. Supriyanti, dan A. Ridlo. 2017. Aktivitas Antioksidan dan Kandungan Senyawa Fenolik Makroalga Coklat *Sargassum* sp. *Jurnal Kelautan Tropis*, 20(2): 177 – 123.
- Sodiq, A.Q. dan A. Arisandi. 2020. Identifikasi dan Kemelimpahan Makroalga di Pantai Selatan Gunungkidul. *Juvenil*, 1(3): 325-330.
- Sudarmadji S, Haryono B, dan Suhardi. 1989. Analisis untuk Bahan Makanan dan Pertanian. Liberty, Yogyakarta.
- Surendhiran, D., Li, C., Cui, H. and Lin, L. 2021. Marine algae as efficacious bioresources housing antimicrobial compounds for preserving foods-A review. *International Journal of Food Microbiology*. 358. 109416.
- Suyasa, I.B.O, dan N. Mastra. 2020 Gambaran *Methicilin Resistant Staphylococcus aureus* (MRSA) pada Petugas Kesehatan RSUD Wangaya Kota Denpasar. *Meditory*, 8(1): 2549-1520.
- Walker, J. M. 2002. *The Protein Protocols Handbook*. Totowa: *Humana Press*, pp. 61-67.



Walsh. G. 2002. *Proteins: Biochemistry and Biotechnology*. England (ENG) : Chichester.

Widiastuti, E.L. & I.A. Khairani. 2018. *Antioxidant effect of taurine and macroalgae (*Sargassum* sp. and *Gracilaria* sp.) extraction on numbers of blood cells and protein profile of mice induced by benzo(α)piren*. IOP Publishing, pp. 1-8.

Wingfield, P. 2001. Protein precipitation using ammonium sulfate. *Current Protocols in Protein Science, Appendix 3*, Appendix- 3F.

WoRMS.2023. *Sargassum* (*Sargassum*) *cristaeifolium* J. Agardh, 1820, access on 3 September 2023 at <https://www.marinespecies.org/aphia.php?p=taxdetails&id=211933>