

## DAFTAR PUSTAKA

- Aryanti, R., Perdana, F., & Syamsudin, R. A. M. R. (2021). Telaah Metode Pengujian Aktivitas Antioksidan pada Teh Hijau (*Camellia sinensis* (L.) Kuntze). *Jurnal Surya Medika*, 7(1), 15–24. <https://doi.org/10.33084/jsm.v7i1.2024>
- Asih, D. J., Kadek Warditiani, N., Gede, I., Wiarsana, S., & Kunci, K. (2022). Humantech Jurnal Ilmiah Multi Disiplin Indonesia Review Artikel: Aktivitas Antioksidan Ekstrak Amla (*Phyllanthus emblica* / *Emblica officinalis*). *Jurnal Ilmiah Multidisplin Indonesia*, 1(6), 674–687.
- Bedloovicová, Z., Strapáč, I., Baláž, M., & Salayová, A. (2020). A Brief Overview on Antioxidant Activity. *Molecules*, 1–24.
- Boeing, J. S., Barizão, É. O., e Silva, B. C., Montanher, P. F., de Cinque Almeida, V., & Visentainer, J. V. (2014). Evaluation of Solvent Effect on the Extraction of Phenolic Compounds and Antioxidant Capacities from the Berries: Application of Principal Component Analysis. *Chemistry Central Journal*, 8(1), 1–9. <https://doi.org/10.1186/s13065-014-0048-1>
- Cahyono, B., Prihatini, C. S., Suzery, M., & Bima, D. N. (2021). Penentuan Aktivitas Antioksidan Senyawa Kuersetin dan Ekstrak Lengkuas Menggunakan HPLC dan UV-Vis. *Alchemy*, 8(2), 24–32. <https://doi.org/10.18860/al.v8i2.10594>
- Cavaco, M., Duarte, A., Freitas, M. V., Afonso, C., Bernardio, S., Pereira, L., Martins, M., & Mouga, T. (2021). Seasonal Nutritional Profile of *Gelidium corneum* (Rhodophyta, Gelidiaceae) from the Center of Portugal. *Foods*, 10(2394), 1–19.
- Chan, P. T., Matanjun, P., Yasir, S. M., & Tan, T. S. (2015). Antioxidant Activities and Polyphenolics of Various Solvent Extracts of Red Seaweed, *Gracilaria changii*. *Journal of Applied Phycology*, 27(6), 2377–2386. <https://doi.org/10.1007/s10811-014-0493-1>
- Cui, M., Wu, J., Wang, S., Shu, H., Zhang, M., Liu, K., & Liu, K. (2019). Characterization and anti-inflammatory effects of sulfated polysaccharide from the red seaweed *Gelidium pacificum* Okamura. *International Journal of Biological Macromolecules*, 129, 377–385. <https://doi.org/10.1016/j.ijbiomac.2019.02.043>
- El-Din, S. M. M., & Alagawany, N. I. (2019). Phytochemical Constituents and Anticoagulation Property of Marine Algae *Gelidium crinale*, *Sargassum hornschuchii* and *Ulva linza*. *Thalassas : An International Journal of Marine Sciences*, 35(2), 381–397. <https://doi.org/10.1007/s41208-019-00142-6>

- Elfariyanti, E., Zarwinda, I., Mardiana, M., & Rahmah, R. (2022). Analisis Kandungan Vitamin C Dan Aktivitas Antioksidan Buah-Buahan Khas Dataran Tinggi Gayo Aceh. *Jurnal Kedokteran Dan Kesehatan : Publikasi Ilmiah Fakultas Kedokteran Universitas Sriwijaya*, 9(2), 161–170. <https://doi.org/10.32539/jkk.v9i2.16999>
- Fadhilah, Z. H., Perdana, F., & Syamsudin, R. A. M. R. (2021). Review: Telaah Kandungan Senyawa Katekin dan Epigalokatekin Galat (EGCG) sebagai Antioksidan pada Berbagai Jenis Teh. *Jurnal Pharmascience*, 8(1), 31. <https://doi.org/10.20527/jps.v8i1.9122>
- Fatwami, E. F., & Royani, S. (2023). Skrining Fitokimia dan Uji Antioksidan Ekstrak Daun Cabai Rawit (*Capsicum frutescens L.*). *Journal Syifa Science and Clinical Research (JSSCR)*, 5(2), 253–260. <https://doi.org/10.36805/jbf.v3i1.780>
- Gazali, M., Nurjanah, Zamani, N. P., Zuriat, & Arif Nasution, M. (2020). A Study on a Potential Bioactive Compound in Green Seaweed *Chaetomorpha antennina* Kützing (1847) Extract as Antioxidant From the Gosong Telaga Coast, Aceh Singkil. *IOP Conference Series: Earth and Environmental Science*, 564(1). <https://doi.org/10.1088/1755-1315/564/1/012058>
- Hamouda, R. A., Abd El-Mongy, M., & Eid, K. F. (2019). Comparative study between two red algae for biosynthesis silver nanoparticles capping by SDS: Insights of characterization and antibacterial activity. *Microbial Pathogenesis*, 129(May 2018), 224–232. <https://doi.org/10.1016/j.micpath.2019.02.016>
- Han Joo, L., Sang Mok, J., Han Seong, L., Seul Gi, K., Ji Su, S., Jae Hyuk, J., & Hyun Woung, S. (2015). Characterization of the Photoluminescence of the Red Alga *Gelidium amansii*. *European Journal of Biophysics*, 3(2), 14. <https://doi.org/10.11648/j.ejb.20150302.12>
- Hartati, F. K. (2016). Evaluasi Fitokimia, Aktivitas Antioksidan dan Imunomodulator Beras Hitam (*Oryza sativa L.indica*). In *Skripsi* (Issue 000108893).
- Hidayat, T., Nurjanah, Nurilmala, M., & Anwar, E. (2018). Karakterisasi Rumput Laut Tropika dari Kepulauan Seribu Sebagai Sumber Bahan Baku Kosmetik. *CR Journal*, 4(2), 49–62.
- Iriani, N. I. (2022). Penetapan Kadar Beta Karoten dan Aktivitas Antioksidan Ekstrak Etil Asetat Rumput Laut [*Gelidium spinosum* (S.G. Gmelin) P.C. Silva]. *Braz Dent J.*, 33(1), 1–12.
- Kageyama, H., & Waditee-Sirisattha, R. (2019). Antioxidative, anti-inflammatory, and anti-aging properties of mycosporine-like amino acids: Molecular and cellular mechanisms in the protection of skin-aging. *Marine Drugs*, 17(4). <https://doi.org/10.3390/md17040222>
- Khikmah, U. L. (2020). *Kandungan Senyawa Bioaktif dan Aktivitas Farmakologis*

- Rumput Laut Merah (Gelidium sp).* 21(1), 1–9.
- Kim, M. J., Kim, H. J., & Han, J. S. (2019). Pheophorbide A from *Gelidium amansii* improves postprandial hyperglycemia in diabetic mice through  $\alpha$ -glucosidase inhibition. *Phytotherapy Research*, 33(3), 702–707. <https://doi.org/10.1002/ptr.6260>
- Lailani, T. S. (2020). *Ekstraksi Pigmen Fikoeritrin Rumput Laut Merah dan Potensinya Sebagai Senyawa Antioksidan*.
- Lee, Y., Oh, H., & Lee, M. (2018). Anti-inflammatory effects of agar free-*gelidium amansii* (GA) extracts in high-fat diet-induced obese mice. *Nutrition Research and Practice*, 12(6), 479–485. <https://doi.org/10.4162/nrp.2018.12.6.479>
- Leksono, W. B., Pramesti, R., Santosa, G. W., & Setyati, W. A. (2018). Jenis Pelarut Metanol Dan N-Heksana Terhadap Aktivitas Antioksidan Ekstrak Rumput Laut *Gelidium sp.* Dari Pantai Drini Gunungkidul – Yogyakarta. *Jurnal Kelautan Tropis*, 21(1), 9. <https://doi.org/10.14710/jkt.v21i1.2236>
- Lim, Y. Y., Lee, W.-K., Leow, T. C., & Namasivayam, P. (2018). *Sulfated galactans from red seaweeds and their potential applications A novel peptide that mimics diamine oxidase View project Ganoderma boninense View project. March*. <https://www.researchgate.net/publication/323990837>
- Loho, R. E. M., Tiho, M., & Assa, Y. A. (2021). Kandungan dan Aktivitas Antioksidan pada Rumput Laut Merah. *Medical Scope Journal*, 3(1), 113. <https://doi.org/10.35790/msj.v3i1.34986>
- Mauli, R. S. (2018). *Ekstraksi Dan Analisis Agar-Agar Dari Rumput Laut Gracilaria Sp. Menggunakan Asam Jawa*.
- Munadiyah. (2017). *Penentuan Kadar Flavonoid dan Kapasitas Antioksidan Ekstrak Etanol Kulit Batang Kelor (*Moringa oleifera L.*) Dengan Metode DPPH, CUPRAC dan FRAP*.
- Ortiz-Viedma, J., Aguilera, J. M., Flores, M., Lemus-Mondaca, R., Larrazabal, M. J., Miranda, J. M., & Aubourg, S. P. (2021). Protective effect of red algae (*Rhodophyta*) extracts on essential dietary components of heat-treated salmon. *Antioxidants*, 10(7). <https://doi.org/10.3390/antiox10071108>
- Pandey, A., Pandey, S., Rajneesh, -, Pathak, J., Ahmed, H., Singh, V., Singh, S. P., & Sinha, R. P. (2017). Mycosporine-Like Amino Acids (MAAs) Profile of Two Marine Red Macroalgae, *Gelidium sp.* and *Ceramium sp.* *International Journal of Applied Sciences and Biotechnology*, 5(1), 12–21. <https://doi.org/10.3126/ijasbt.v5i1.16568>
- Phaniendra, A., Jestadi, D. B., & Periyasamy, L. (2015). Free Radicals: Properties, Sources, Targets, and Their Implication in Various Diseases. *Indian Journal of Clinical Biochemistry*, 30(1), 11–26. <https://doi.org/10.1007/s12291-014-0446-0>

- Ramadhani, M. (2022). *Validasi Metode Penetapan Kadar Antioksidan Lotion Fraksi Daun Miana (Coleus artropurpureus L. Benth) Dengan Metode DPPH Secara Spektrofotometer UV-Vis* (Vol. 33, Issue 1).
- Rismayanti, N. L. P. M., & Husni, A. (2021). Antioxidant activity of methanolic extract of Eucheuma spinosum extracted using a microwave. *IOP Conference Series: Earth and Environmental Science*, 763(1). <https://doi.org/10.1088/1755-1315/763/1/012028>
- Sadeer, N. B., Montesano, D., Albrizio, S., Zengin, G., & Mahomoodally, M. F. (2020). The Versatility of Antioxidant Assays in Food Science and Safety—chemistry, Applications, Strengths, and Limitations. *Antioxidants*, 9(8), 1–39. <https://doi.org/10.3390/antiox9080709>
- Sanger, G., Kaseger, B. E., Rarung, L. K., & Damongilala, L. (2018). Potensi Beberapa Jenis Rumput Laut Sebagai Bahan Pangan. *Jurnal Pengolahan Hasil Perikanan Indonesia*, 21(2), 208–217.
- Santos, C. M. M., & Silva, A. M. S. (2020). The antioxidant activity of prenylflavonoids. *Molecules*, 25(3). <https://doi.org/10.3390/molecules25030696>
- Sari, D. K. (2019). *Uji Kapasitas dan Aktivitas Antioksidan Air Rebusan Kulit Bawang Merah (Allium cepa L) Dalam Berbagai Konsentrasi* (Vol. 1, Issue 1).
- Sayuti, M. (2017). Pengaruh Perbedaan Metode Ekstraksi, Bagian dan Jenis Pelarut Terhadap Rendemen dan Aktivitas Antioksidan Bambu Laut (*Isis hippuris*). *Technology Science and Engineering Journal*, 1(3), 2549–1601. <https://politeknikaup.ac.id/assets/dokumen/publikasi/ilmiah/20211021102302.pdf>
- Sekali, E. E. K., Wartini, N. M., & Suhendra, L. (2020). Karakteristik Ekstrak Aseton Pewarna Alami Daun Singkong (*Manihot Esculenta C.*) pada Perlakuan Ukuran Partikel Bahan dan Lama Maserasi. *Jurnal Ilmiah Teknologi Pertanian Agrotechno*, 5(2), 49. <https://doi.org/10.24843/jitpa.2020.v05.i02.p02>
- Setyawan, I. B., Prihanta, W., & Purwanti, E. (2015). Identifikasi Keanekaragaman Dan Pola Penyebaran Makroalga Di Daerah Pasang Surut Pantai Pidakan Kabupaten Pacitan Sebagai Sumber Belajar Biologi. *JPBI (Jurnal Pendidikan Biologi Indonesia)*, 1(1). <https://doi.org/10.22219/jpbi.v1i1.2305>
- Simanjuntak, E. J., & Zulham, Z. (2020). Superoksida Dismutase (SOD) Dan Radikal Bebas. *Jurnal Keperawatan Dan Fisioterapi (Jkf)*, 2(2), 124–129. <https://doi.org/10.35451/jkf.v2i2.342>
- Varshosaz, J., Zaki, M. R., Minaiyan, M., & Banoozadeh, J. (2015). Preparation, optimization, and screening of the effect of processing variables on agar nanospheres loaded with bupropion HCl by a D-optimal design. *BioMed*

- Research International*, 2015(i). <https://doi.org/10.1155/2015/571816>
- Véliz, K., Chandía, N., Karsten, U., Lara, C., & Thiel, M. (2019). Geographic variation in biochemical and physiological traits of the red seaweeds *Chondracanthus chamussoi* and *Gelidium lingulatum* from the south east Pacific coast. *Journal of Applied Phycology*, 31(1), 665–682. <https://doi.org/10.1007/s10811-018-1532-0>
- Wahyudi. (2021). *Studi Fitokimia dari Fraksinasi Ekstrak Rumput Laut Merah (Eucheuma spinosum)*.
- Wang, F., Huang, L., Gao, B., & Zhang, C. (2018). Optimum production conditions, purification, identification, and antioxidant activity of violaxanthin from microalga eustigmatos cf. Polyphe (eustigmatophyceae). *Marine Drugs*, 16(6). <https://doi.org/10.3390/md16060190>
- Wang, K. K., Li, J., Kim, B. J., Lee, J. H., Shin, H. W., Ko, S. H., Lee, W. Y., Lee, C. H., Jung, S. H., & Kim, Y. R. (2014). Photophysical Properties of Pheophorbide-a Derivatives and Their Photodynamic Therapeutic Effects on a Tumor Cell Line in Vitro. *International Journal of Photoenergy*, 2014. <https://doi.org/10.1155/2014/793723>
- Wibawa, A. A. P. P. (2017). Karbohidrat. *Universitas Udayana*, 1–51.
- Wichaksono, D. A. (2022). *Uji aktivitas antioksidan produk herbal jamu antidiabetes yang dijual di pasar beringharjo dengan metode frap* skripsi.
- Yadav, A., Kumari, R., Yadav, A., Mishra, J. P., Srivatva, S., & Prabha, S. (2016). Antioxidants and its functions in human body-A Review. *Res. Environ. Life Sci*, 9(11), 1328–1331.
- Yang, T. H., Yao, H. T., & Chiang, M. T. (2015). Red algae (*Gelidium amansii*) reduces adiposity via activation of lipolysis in rats with diabetes induced by streptozotocin-nicotinamide. *Journal of Food and Drug Analysis*, 23(4), 758–765. <https://doi.org/10.1016/j.jfda.2015.06.003>
- Yulianti, Asmawati, Yunianti, & Manguntungi, B. (2018). Aktivitas Antibakteri Ekstrak Alga Merah dari Pantai Luk, Sumbawa terhadap *Salmonella thypi* dan *Staphylococcus aureus*. *Biota : Jurnal Ilmiah Ilmu-Ilmu Hayati*, 3(1), 1–11. <https://doi.org/10.24002/biota.v3i1.1888>