

DAFTAR PUSTAKA

- Adi, W., & Zulkarnain, A. K. (2015). *Uji SPF In Vitro Dan Sifat Fisik Beberapa Produk Tabir Surya Yang Beredar Di Pasaran*. 1745(965), 275–283.
- Abu Bakar, N., Anyanji, V. U., Mustapha, N. M., Lim, S.-L., & Mohamed, S. (2015). Seaweed (*Eucheuma cottonii*) reduced inflammation, mucin synthesis, eosinophil infiltration and MMP- 9 expressions in asthma-induced rats compared to Loratadine. *Journal of Functional Foods*, 19, 710–722. <https://doi.org/10.1016/j.jff.2015.10.011>
- Al-Mamoori, A. I., Al-Jumaa, A. A., & Alsaedi, Z. J. (2020). Tyrosinase inhibitors from natural sources: current trends and future prospects. *Journal of Enzyme Inhibition and Medicinal Chemistry*, 35(1), 1–14. <https://doi.org/10.1080/14756366.2019.1696152>
- Andriani, Z., Fasya, A. G., & Hanapi, A. (2016a). Antibacterial Activity of the Red Algae *Eucheuma cottonii* Extract from Tanjung Coast, Sumenep Madura. *ALCHEMY*, 4(2), 93. <https://doi.org/10.18860/al.v4i2.3197>
- Anggreini, D., Saputri, M., & Sari, N. (2024). Mengenal Lebih Dekat Nilai SPF (Sun Protecting Factor) dalam Kosmetik. *Jurnal Pengabdian Masyarakat Tjut Nyak Dhien*, 3(1), 33–38. <https://doi.org/10.36490/jpmtnd.v3i1.1008>
- Arifin, Z., et al. (2021). *Polar fractionation of red algae Eucheuma cottonii and its correlation with antioxidant activities*. Indonesian Journal of Pharmacy, 32(1), 45–52.
- Arrosyad, F. H., & Alamsjah, M. A. (2020). The effect of seaweed (*Eucheuma cottonii*) age differences as a material on medium density fiberboard (MDF) manufacture. *IOP Conference Series: Earth and Environmental Science*, 441(1), 012100. <https://doi.org/10.1088/1755-1315/441/1/012100>
- Chakraborty, S., Roy, S., & Tarafdar, A. (2020). *Mechanistic insight into the role of ascorbic acid in inhibiting tyrosinase activity*. Biochemistry Research International, 2020, Article ID 3548917. <https://doi.org/10.1155/2020/3548917>
- Dewi, S., Pratiwi, H., & Yuliana, A. (2020). Studi Komparatif Aktivitas Penghambatan Tirosinase dari Asam Askorbat dan Ekstrak Alga Merah. *Jurnal Biologi Farmasi*, 15(2), 88-95.
- Dolorosa, M. T., Nurjanah, Purwaningsih, S., Anwar, E., & Hidayat, T. (2019). Tyrosinase inhibitory activity of *Sargassum plagyophyllum* and *Eucheuma cottonii* methanol extracts. *IOP Conference Series: Earth and Environmental Science*, 278(1), 012020. <https://doi.org/10.1088/1755-1315/278/1/012020>

Gauglitz, G. G., & Schaubert, J. (2013). Skin: Architecture and Function. Dalam L.-P. Kamolz & D. B. Lumenta (Ed.), *Dermal Replacements in General, Burn, and Plastic Surgery* (hlm. 1–11). Springer Vienna. https://doi.org/10.1007/978-3-7091-1586-2_1

Hamrun, N., Djamaluddin, N., & Dahri, I. N. (t.t.). *Antioxidant activity of red algae extract (Rhodophyta) Eucheuma spinosum measured by 2,2-diphenyl-1-picrylhydrazyl method*.

Handayani, D., Aulifa, D. L., Fadillah, R., & Wahyuni, W. T. (2020). Polar and non-polar extraction effects on tyrosinase inhibition and antioxidant activities of plant extracts. *Indonesian Journal of Chemistry*, 20(3), 519–526. <https://doi.org/10.22146/ijc.49390>

Herdyanti, Y., Sari, K. R., & Prasetyo, E. A. (2022). Antioxidant activity of Eucheuma cottonii extract using DPPH method. *Indonesian Journal of Marine Sciences*, 27(1), 45–52. <https://doi.org/10.14710/ijms.27.1.45-52>

Indrisari, M., Sartini, S., Miskad, U. A., Djawad, K., Amir Tahir, K., Nurkhairi, N., & Muslimin, L. (2021). Photoprotective and Inhibitory Activity of Tyrosinase in Extract and Fractions of Terminalia catappa L. *Open Access Macedonian Journal of Medical Sciences*, 9(A), 263–270. <https://doi.org/10.3889/oamjms.2021.5940>

Isfardiyana, S. H., & Safitri, S. R. (2014). *PENTINGNYA MELINDUNGI KULIT DARI SINAR ULTRAVIOLET DAN CARA MELINDUNGI KULIT DENGAN SUNBLOCK BUATAN SENDIRI*. 3(2).

Kasitowati, R. D., Wahyudi, A., Asmara, R., Aliviyanti, D., Iranawati, F., Panjaitan, M. A. P., Pratiwi, D. C., & Arsad, S. (2021). Identification photoprotective activity of marine seaweed: Eucheuma sp. *IOP Conference Series: Earth and Environmental Science*, 679(1), 012014. <https://doi.org/10.1088/1755-1315/679/1/012014>

Kaur, C. D., & Saraf, S. (2020). *In vitro sun protection factor determination of herbal oils used in cosmetics*. *International Journal of Cosmetic Science*, 42(3), 215–220.

Kurniawan, A., Yuliani, S. F., & Nurdin, E. (2020). *The role of solvent polarity in phytochemical extraction and bioactivity of plant extracts*. *Jurnal Fitofarmaka Indonesia*, 7(1), 12–20.

L. N. Aminin, A., Anggraeni, E., Ramoza, S. A., Suzery, M., Cahyono, B., & Eghdami, A. (2024). Radical-Scavenging and Anti-inflammatory Activities of Fermented Eucheuma cottonii from Lombok. *Bionatura Journal*, 1(3), 2–12. <https://doi.org/10.70099/BJ/2024.01.03.18>

Lestari, D. A., Susiloningtyas, D., & Handayani, T. (2019). Potential Region for development of seaweed genus Eucheuma cottonii based on ENSO variability in

east coast of Tarakan Island, Indonesia. *IOP Conference Series: Earth and Environmental Science*, 284(1), 012030. <https://doi.org/10.1088/1755-1315/284/1/012030>

Monteiro, J. C., Silva, L. B., & Fonseca, M. J. V. (2020). Evaluation of sun protection factor of herbal extracts: a comparative study. *Journal of Photochemistry and Photobiology B: Biology*, 202, 111667. <https://doi.org/10.1016/j.jphotobiol.2019.111667>

Muchtaridi, M., Arsyi, M., Subarnas, A., & Maesaroh, M. (2020). *Phenolic compounds as tyrosinase inhibitors from plants: a review*. Indonesian Journal of Pharmacy, 31(2), 123–131. <https://doi.org/10.22146/ijp.47516>

Nurjanah, S., Rachmawati, N., & Risyandi, R. (2021). Screening of phytochemical and antioxidant activity of red algae (*Eucheuma cottonii*). *Jurnal Ilmu dan Teknologi Kelautan Tropis*, 13(2), 267–275. <https://doi.org/10.29244/jitkt.v13i2.267>

Nurrachmi, N., & Azizah, A. (2021). Optimasi Kondisi Analisis Spektrofotometri untuk Penetapan Kadar Senyawa X. *Jurnal Analisis Farmasi*, 10(3), 112-120.

Obaid, R. J., Mughal, E. U., Naeem, N., Sadiq, A., Alsantali, R. I., Jassas, R. S., Moussa, Z., & Ahmed, S. A. (2021). Natural and synthetic flavonoid derivatives as new potential tyrosinase inhibitors: A systematic review. *RSC Advances*, 11(36), 22159–22198. <https://doi.org/10.1039/D1RA03196A>

Osterwalder, U., & Herzog, B. (2009). Sun protection factors: World wide confusion. *British Journal of Dermatology*, 161, 13–24. <https://doi.org/10.1111/j.1365-2133.2009.09506.x>

Putri, A. N., & Kurniawan, B. (2020). Analisis Hubungan Konsentrasi dan Absorbansi pada Uji Spektrofotometri Senyawa Fenolik. *Jurnal Kimia Analitik Indonesia*, 12(1), 45-52.

Putri, L. A., & Safitri, N. (2023). *Karakterisasi fraksi pelarut dari ekstrak alga merah Eucheuma cottonii berdasarkan rendemen dan uji fitokimia*. Jurnal Ilmu Kefarmasian Indonesia, 21(3), 203–210.

Rachmawati, P., Sagala, R. J., & Kambira, P. F. A. (2021). *Tinjauan Pustaka Bentuk Sediaan Tabir Surya Bahan Alam, Keamanan dan Efektivitas Tabir Surya*. 13.

Rodrigues, R. F., Souza, M. A., & Ferreira, G. D. (2022). Natural antioxidants in topical formulations: Potential photoprotective agents. *Molecules*, 27(14), 4562. <https://doi.org/10.3390/molecules27144562>

Rizky, D., & Sagala, Z. (2020). *ETANOL DAUN BIDARA ARAB (Ziziphus spinachristi L.) SECARA IN VITRO*. 5(1).

Sany, I. P., Romadhon, & Fahmi, A. S. (2019). Physicochemical Characteristics and Antioxidant Activity of Solid Soap Enriched With Crude *Eucheuma cottoni* Extract. *IOP Conference Series: Earth and Environmental Science*, 246, 012066. <https://doi.org/10.1088/1755-1315/246/1/012066>

Sayre, R. M., Dowdy, J. C., & Shepherd, J. G. (2020). *Determining efficacy of sunscreen products*. *Photodermatology, Photoimmunology & Photomedicine*, 36(1), 3–10.

Wahyuni, A. M., Afthoni, M. H., & Rollando, R. (2022). Pengembangan dan Validasi Metode Analisis Spektrofotometri UV Vis Derivatif untuk Deteksi Kombinasi Hidrokortison Asetat dan Nipagin pada Sediaan Krim. *Sainsbertek Jurnal Ilmiah Sains & Teknologi*, 3(1), 239–247. <https://doi.org/10.33479/sb.v3i1.181>

Wahyuni, D., et al. (2022). *Fractionation and antioxidant potential of red seaweed extract using different polarity solvents*. *Asian Journal of Biological Sciences*, 15(2), 175–183.

Yuliana, A., Lestari, D., & Pratiwi, H. (2020). Optimasi Kondisi Pengukuran Spektrofotometri UV-Vis untuk Analisis Senyawa Fenolik. *Jurnal Farmasi Indonesia*, 11(2), 75-82.