

DAFTAR PUSTAKA

- Al-fahham, H. R. A., and Motaweq, Z. Y. 2023. Molecular Analysis of Biofilm Genes in *Micrococcus luteus* Isolated from Pleural Fluid Infections Patients in Al-Najaf Province, Iraq. *Journal of Population Therapeutics and Clinical Pharmacology*, **30**(7): 400–407.
- Alamsyah, H. K., Widowati, I., dan Sabdono, A. 2014. Aktivitas Antibakteri Ekstrak Rumput Laut *Sargassum cinereum* (J.G. Agardh) dari Perairan Pulau Panjang Jepara Terhadap Bakteri *Escherichia coli* dan *Staphylococcus epidermidis*. *Journal of Marine Research*, **3**(2): 69-78.
- Amir, N.I., Nurfadillah, A. and Dani, T.R. 2023. Potential of Red Algae *Eucheuma spinosum* as Antibacterial to *Pseudomonas aeruginosa* Nur. *Jambura Medical and Health Science Journal*, **23**(4): 1-16.
- Annisaqois, M., Gerung, G., Wullur, S., Sumilat, D., Wagey, B., dan Mandagi, S. 2018. Analisis molekuler DNA alga merah (Rhodophyta) *Kappaphycus* sp. *Jurnal Pesisir Dan Laut Tropis*, **6**(1): 107-112.
- Arguelles, E. D. 2022. Bioactive Properties of *Halymenia durvillei* Bory 1828 for Pharmaceutical Application: Antioxidant, Antidiabetic, Antiwrinkling and Skin-Whitening Activities. *Yuzuncu Yil University Journal of Agricultural Sciences*, **32**(1): 57-68.
- Bara, R. A., Tandiongan, M., Sondak, C. F. A., Posangi, I., Angkouw, E. D., Losung, F., Angmalisang, P. A., Sambali, H., and Posangi, J. 2022. Toxicity and Antibacterial Activity of Ascidian *eudistoma* cf. *purpuropunctatum*, *International Journal of Pharmaceutical and Bio-Medical Science*, **2**(4): 57–66.
- Bartolo, A. G., Zammit, G., Peters, A. F., and Küpper, F. C. 2020. The Current State of DNA Barcoding of Macroalgae in The Mediterranean Sea: Presently Lacking But Urgently Required. *Botanica Marina*, **63**(3): 253-272.
- Bhuyar, P., Rahim, M. H., Sundararaju, S., Maniam, G. P. dan Govindan, N. 2020. Antioxidant and antibacterial activity of red seaweed; *Kappaphycus alvarezii* against pathogenic bacteria. *Global Journal of Environmental Science and Management*, **6**(1): 47–58.
- Chan, Y. S., Ong, C. W., Chuah, B. L., Khoo, K. S., Chye, F. Y., and Sit, N. W. 2018. Antimicrobial, Antiviral and Cytotoxic Activities of Selected

Marine Organisms Collected from the Coastal Areas of Malaysia. *Journal of Marine Science and Technology*, **26**(1): 128–136.

Cheng, A., Lim, W. Y., Lim, P.-E., Amri, A. Y., Poong, S.-W., Song, S.L., and Ilham, Z. 2022. Marine Autotroph-Herbivore Synergies: Unravelling the Roles of Macroalgae in Marine Ecosystem Dynamics. *Biology*, **11**(8): 1–16.

Darfiah, Kasmiati, and Latama, G. 2021. Antibacterial Activity and Identification of Active Compounds of Seaweed Extract *Sargassum* sp., *Halimeda opuntia* and *Halymenia* sp. from Lae-Lae Island of South Sulawesi. *International Journal of Environment, Agriculture and Biotechnology*, **6**(6): 187–195.

Darli Kyaw Zaw, N., Angga Wiradana, P., War Naw, S., Samuel Nege, A., Amin Alamsjah, M., Eman Karunia Akbar, R., and Rosi, F. 2020. First Report on Molecular Identification of *Caulerpa* Green Algae from Mandangin Island Indonesia Using Partial 18SrRNA Genes. *Journal of Aquaculture and Fish Health*, **9**(3): 252–265.

Das, D., Arulkumar, A., Paramasivam, S., Lopez-santamarina, A., Mondragon, C., Manuel, J., and Lopez, M. 2023. Phytochemical Constituents, Antimicrobial Properties and Bioactivity of Marine Red Seaweed (*Kappaphycus alvarezii*) and Seagrass (*Cymodocea serrulata*). *Foods*, **12**: 1–15.

Dayuti, S. 2017. Antibacterial activity of red algae (*Gracilaria verrucosa*) extract against *Escherichia coli* and *Salmonella typhimurium*. *Asean-Fen International Fisheries Symposium*, **137**: 1–5.

Djakatara, P. D., Gerung, G. S., Ginting, E. L., Sondak, C. F. A., Rumampuk, N. D. C., dan Mantiri, D. M. H. 2018. Amplifikasi DNA Alga Merah (Rhodophyta) *Eucheuma* sp. *Jurnal Pesisir Dan Laut Tropis*, **6**(2): 26–30.

Erniati, Erlangga, Andika, Y., and Muliani. 2023. Seaweed Diversity and Community Structure on The West Coast Aceh, Indonesia. *Biodiversitas*, **24**(4): 2189–2200.

Fahrudin, M., dan Ilyas, A. P. 2024. Kualitas Perairan Pesisir Pantai Ketapang, Lombok Barat. *Jurnal Perikanan Terapan*, **1**(1): 1–5.

Fajri, A. I. 2022. Analisis Liquid Chromatography-Mass Spectrometer (LC-MS) Senyawa Hasil Fraksi Etil Asetat Ekstrak Daun Jinten (*Plectranthus amboinicus*) Sebagai Antibakteri *Staphylococcus Aureus*. *Skripsi*, Stikes Karya Putra Bangsa.

- Firdaus, M. 2019. *Pigmen Rumput Laut dan Manfaat Kesehatan*. Malang: UB Press.
- Gupta, N. 2019. DNA Extraction and Polymerase Chain Reaction. *Journal of Cytology*, **36**(2): 116-117.
- Handayani, S. 2022. Inventory and Description of Macroalgae In Rambut Island Kepulauan Seribu DKI Jakarta. *Journal of Tropical Biodiversity*, **2**(3): 133-151.
- Hariadi, M.H., Cokrowati, N. and Marzuki, M. 2023. The Effect of Different Substrates on Laboratory Scale Cultivation of *Kappaphycus alvarezii*. *Jurnal Natur Indonesia*, **21**(2): 100–108.
- Hu, S., Liu, C., and Liu, X. 2022. Innovative Application of Metabolomics on Bioactive Ingredients of Foods. *Foods*, **11**(2974): 1-20.
- Istia'nah, D., Utami, U., Barizi, A., and Biologi, J. 2020. Characterization of Amylase Enzyme from *Bacillus megaterium* Bacteria on Various Temperature, pH and Substrate Concentration. In *Jurnal Riset Biologi dan Aplikasinya*, **2**(1): 11-17.
- Kang, S., Sunwoo, K., Jung, Y., Hur, J. K., Park, K. H., Kim, J. S., and Kim, D. 2020. Membrane-targeting Triphenylphosphonium Functionalized Ciprofloxacin for Methicillin-resistant *Staphylococcus aureus* (Mrsa). *Antibiotics*, **9**(11): 1-16.
- Kasanah, N., Triyanto, Seto, D. S., Amelia, W., and Isnansetyo, A. 2015. Antibacterial Compounds from Red Seaweeds (Rhodophyta). *Indonesian Journal of Chemistry*, **15**(2): 201–209.
- Kasmiati, K., Nurunnisa, A. T., Amran, A., Resya, M. I., dan Rahmi, M. H. 2022. Antibacterial Activity and Toxicity of *Halymenia durvillei* Red Seaweed from Kayangan Island, South Sulawesi, Indonesia. *Fisheries and Aquatic Science*, **25**(8): 417–428.
- Kepel, C. R., Mantiri, D. M. H., and Sahami, F. M. 2020. Phylogeny and Molecular Identification of Green Totok Bay, Maluku Sea, and Blongko Waters, Sulawesi Sea, North Sulawesi, Indonesia. *AACL Bioflux*, **13**(4): 2196–2203.
- Kepel, R. C., Lumingas, L. J. L., Tombokan, J. L., and Mantiri, D. M. H. 2019. Biodiversity and Community Structure of Seaweeds in Minahasa Peninsula, North Sulawesi, Indonesia. *AACL Bioflux*, **12**(3): 880–892.

- Lim, M. W., Yow, Y., and Gew, L. T. 2023. LC-MS Profiling Based Non Targeted Secondary Metabolite Screening for Deciphering Cosmeceutical Potential of Malaysian Algae. *Journal of Cosmetic Dermatology*, **22**: 2810–2815.
- Litaay, C., Arfah, H. and Pattipeilohy, F. 2022. Potensi Sumber Daya Hayati Rumput Laut di Pantai Pulau Ambon sebagai Bahan Makanan. *Jurnal Pengolahan Hasil Perikanan Indonesia*, **25**(3): 405–417.
- Loho, R. E. M., Tiho, M., dan Assa, Y. A. 2021. Kandungan dan Aktivitas Antioksidan pada Rumput Laut Merah. *Medical Scope Journal*, **3**(1): 113–120.
- Magvirah, T., Marwati, dan Ardhani, F. 2019. Uji Daya Hambat Bakteri *Staphylococcus aureus* Menggunakan Ekstrak Daun Tahongai (*Kleinhovia hospita* L.). *Jurnal Peternakan Lingkungan Tropis*, **2**(2): 41–50.
- Malik, S. A. A., Bedoux, G., Robledo, D., García-Maldonado, J. Q., Freile-Pelegrín, Y., & Bourgougnon, N. (2020). Chemical Defense Against Microfouling by Allelopathic Active Metabolites of *Halymenia floresii* (Rhodophyta). *Journal of Applied Phycology*, **32**(4), 2673–2687.
- Mantiri, D. M. H., Kepel, R. C., Boneka, F. B., and Sumilat, D. A. 2021. Phytochemical Screening, Antioxidant and Antibacterial Tests on Red Algae, *Halymenia Durvillaei*, and Phycoerythrin Pigments. *AACL Bioflux*, **14**(6): 3358–3365.
- Medeiros, C., Vargas, B., Padro, G., Maria, L., Morandini, B., Andrade, G., Regina, K., Farias, A., Luiz, S., and Cristine, R. 2019. Antifungal and antibacterial activity of extracts produced from Diaporthe schini. *Journal of Biotechnology*, **294**: 30–37.
- Meinita, M. D. N., Akromah, N., Andriyani, N., Setijanto, Harwanto, D., and Liu, T. (2021). Molecular identification of *Gracilaria* species (Gracilariales, Rhodophyta) obtained from the South Coast of Java Island, Indonesia. *Biodiversitas*, **22**(7): 3046–3056.
- Mintsa, M. E., N'nang, E. O., Choque, É., Siah, A., Jacquin, J., Muchembled, J., Molinié, R., Roulard, R., Cailleu, D., Beniddir, M. A., Obiang, C. S., Ondo, J. P., Kumulungui, B., and Mesnard, F. 2022. Combined LC-MS/MS and Molecular Networking Approach Reveals Antioxidant and Antimicrobial Compounds from *Erismadelphus exsul* Bark. *Plants*, **11**(1505): 1–14.

- Mon, E. E. 2018. The Morphology and Distribution of *Halymenia durvillei* Bory de Saint-Vincent (Halymeniales , Rhodophyta) from Myanmar. *Journal of Aquatic Science and Marine Biology*, **1**(4): 15–25.
- Montiel-Sánchez, M., García-Cayuela, T., Gómez-Maqueo, A., García, H. S., and Cano, M. P. 2021. In Vitro Gastrointestinal Stability, Bioaccessibility and Potential Biological Activities of Betalains and Phenolic Compounds in Cactus Berry Fruits (*Myrtillocactus geometrizans*). *Food Chemistry*, **342**: 1–44.
- Nguyen, D. H., Nguyen, C. H., and Mamitsuka, H. 2019. Recent Advances and Prospects of Computational Methods for Metabolite Identification. *Briefings in Bioinformatics*, **20**(6): 2028–2043.
- Nguyen, X. V., Nguyen-Nhat, N. T., Nguyen, X. T., Nguyen, T. H., Truong, S. H. T., Dao, V. H., Do, A. D., and McDermid, K. J. 2023. New Record of *Halymenia malaysiana* (Halymeniaceae , Rhodophyta) from Vietnam, and its Genetic Diversity in the Western Pacific. *Botanica Marina*, **66**(2): 113–123.
- Nikmah, U. 2020. *Mengenal Rumput Laut*. Semarang: ALPRIN.
- Nurhayati, L. S., Yahdiyani, N., dan Hidayatulloh, A. 2020. Perbandingan Pengujian Aktivitas Antibakteri Starter Yogurt dengan Metode Difusi Sumuran dan Metode Difusi Cakram. *Jurnal Teknologi Hasil Peternakan*, **1**(2): 41-46.
- Prabha, V. and Nadu, T. 2013. Analysis of Bioactive Compounds and Antimicrobial Activity of Marine Algae *Kappaphycus*. *International Journal of Pharmaceutical Sciences and Research*, **4**(1): 306–310.
- Purba, O., Indriyanto, dan Bintoro, A. 2014. Perkecambahan Benih Aren (*Arenga pinnata*) Setelah Diskarifikasi dengan Giberelin pada Berbagai Konsentrasi. *Jurnal Sylva Lestari*, **2**(2): 71–78.
- Purwanti, D. A., dan Wiyanto, T. H. 2020. Ekstraksi DNA Rumput Laut *Kappaphycus alvarezii* dengan Metode Cetyl Trimethyl Ammonium Bromide (CTAB). *Buletin Teknik Litkayasa Akuakultur*, **18**(1): 13-17.
- Qiu, H., Yoon, H. S., and Bhattacharya, D. 2016. Red Algal Phylogenomics Provides a Robust Framework for Inferring Evolution of Key Metabolic Pathways. *PLoS Currents*, **2**: 1–8.
- Rahayu, D. A., dan Jannah, M. 2019. *DNA Barcode Hewan dan Tumbuhan Indonesia*. Jakarta Selatan: Yayasan Inspirasi Ide Berdaya.

- Rahelivao, M. P., Gruner, M., Andriamanantoanina, H., Andriamihaja, B., Bauer, I., and Knölker, H. 2015. Red Algae (Rhodophyta) from the Coast of Madagascar: Preliminary Bioactivity Studies and Isolation of Natural Products. *Marine Drugs*, **13**: 4197–4216.
- Rahmawati, N., Sudjarwo, E., dan Widodo, E. 2014. Uji Aktivitas Antibakteri Ekstrak Herbal Terhadap Bakteri *Escherichia coli*. *Jurnal Ilmu-Ilmu Peternakan*, **24**(3): 24–31.
- Ramakrishnan, G. S., Fathima, A. A., and Ramya, M. 2017. A Rapid and Efficient DNA Extraction Method Suitable for Marine Macroalgae. *3 Biotech*, **7**(6): 1–6.
- Rifai, A., Hamzah, M., dan Takwir, A. 2023. Analisis Kesesuaian Perairan untuk Lokasi Budidaya Rumput Laut (*Eucheuma Cottonii*) di Perairan Kecamatan Mawasangka Kabupaten Buton Tengah. *Sapa Laut*, **8**(1): 43–51.
- Ristiana, R., Rustam, A., Syamsul, M., dan Zein, A. 2021. DNA Barcoding pada Familia Bovidae Berdasarkan Gen COI (*Cytochrome C Oxydase Subunit 1*). *Filogeni: Jurnal Mahasiswa Biologi*, **1**(2): 63–68.
- Ritonga, S. W., Fajri, N. F., Ridwan, A. Y., dan Putri, A. M. 2014. DNA Barcodes for Marine Biodiversity: Determinasi dan Identifikasi Alga Merah (Rhodophyta) di Pantai Cipatujah, Tasikmalaya melalui Identifikasi Molekuler DNA Barcoding. *PKM*: 1–30.
- Roleda, M. Y., Aguinaldo, Z. A., Crisostomo, B. A., Hinaloc, L. A. R., Projimo, V. Z., Dumilag, R. V, and Lluisma, A. O. 2021. Discovery of Novel Haplotypes from Wild Populations of *Kappaphycus* (Gigartinales, Rhodophyta) in the Philippines. *Algae*, **36**(1): 1–12.
- Rosidiani, E. P., Arumingtyas, E. L. and Azrianingsih, R. 2013. Analisis Variasi Genetik *Amorphophallus muelleri* Blume dari Berbagai Populasi di Jawa Timur Berdasarkan Sekuen Intron trnL. *Floribunda*, **4**(6): 129–137.
- Rozaki, A., Triajie, H., Wahyuni, E. A., dan Arisandi, A. 2013. Pengaruh Jarak Lokasi Pemeliharaan Terhadap Morfologi Sel dan Morfologi Rumput Laut *Kappaphycus alvarezii* di Desa Lobuk Kecamatan Bluto, Kabupaten Sumenep. *Jurnal Kelautan*, **6**(2): 105–110.
- Salamah, N. and Widyasari, E. 2015. Aktivitas antioksidan ekstrak metanol daun kelengkeng (*Euphorbia longan* (L) Steud.) dengan metode penangkapan radikal 2,2'-difenil-1- pikrilhidrazil. *Pharmaciana.*, **5**(1):

25–34.

- Sari, D. K., Wardhani, D. H. and Prasetyaningrum, A. 2013. Kajian Isolasi Senyawa Fenolik Rumput Laut *Euceuma cottonii* Berbantu Gelombang Micro dengan Variasi Suhu dan Waktu.', *Jurnal Teknik Kimia*, **19**(3): 38-43.
- Sariwati, A., Fitri, I., Purnomo, A. S., and Fatmawati, S. 2019. Phytochemical, Antibacterial and Antioxidant Activities of *Anthurium hookerii* Leaves Extracts. *Journal of Biosciences*, **26**(3): 101-109.
- Silva, A., Silva, S. A., Lourenco-Lopes, C., Jimenez-Lopes, C., Carpena, M., Gullon, P., Fraga-Coral, M., Domingues, V. F., Barroso, M. F., Simal-Gandara, J., and Prieto, M. A. 2020. Antibacterial Use of Macroalgae Compounds against Foodborne Pathogens. *Antibiotics (Basel)*, **9**(10): 712.
- Sinurat, A. A., Renta, P., Herliany, N., Negara, B., dan Purnama, D. 2019. Uji Aktivitas Antibakteri Ekstrak Metanol Rumput Laut *Gracilaria edulis* Terhadap Bakteri *Aeromonas hydrophila*. *Jurnal Enggano*, **4**(1): 105-114.
- Sophian, A., and Syukur, A. 2021. Short Communication : Analysis of Purity and Concentration of Isolated DNA in Making Raw DNA of Rat Species. *Eruditio*, **1**(2): 1-5.
- Subagio dan Hamdan, M. S. K. 2019. Identifikasi Rumput Laut (*Seaweed*) di Perairan Pantai Cemara, Jerowaru Lombok Timur Sebagai Bahan Informasi Keanekaragaman Hayati Bagi Masyarakat. *JISIP*, **3**(1): 308-321.
- Subari, A., Razak, A., and Sumarmin, R. 2021. Phylogenetic Analysis of *Rasbora* spp . Based on the Mitochondrial DNA COI Gene in Harapan Forest. *Jurnal Biologi Tropis*, **21**(1): 89-94.
- Surni, W. 2014. Pertumbuhan Rumput Laut (*Eucheuma Cottonii*) pada Kedalaman Air Laut yang Berbeda di Dusun Kotania Desa Eti Kecamatan Seram Barat Kabupaten Seram Bagian Barat. *Biopendix*, **1**(1): 92-100.
- Susanti, F., Adharini, R. I., Rahmi, K. A., Sari, D. W. K., and Kandasamy, G. 2022. Identification of *Gracilaria* spp. in Gunungkidul Regency, Yogyakarta Indonesia Based on DNA Barcoding Target Cytochrome Oxidase Subunit 1. *Ilmu Kelautan: Indonesian Journal of Marine Sciences*, **27**(3): 189-198.

- Tan, J., Lim, P. E., Phang, S. M., Rahiman, A., Nikmatullah, A., Sunarpi, H., and Hurtado, A. Q. 2014. *Kappaphycus malesianus* sp. nov.: a New Species of *Kappaphycus* (Gigartinales, Rhodophyta) from Southeast Asia. *Journal of Applied Phycology*, **26**(2): 1273–1285.
- Thien, V. Y., Yong, W. T. L., and Chin, G. J. W. L. 2016. Morphological and Molecular Studies of Undescribed *Kappaphycus* Species. *International Journal of Marine Science*, **6**(33): 1-7.
- Thomas, N. V., and Kim, S. 2013. Beneficial Effects of Marine Algal Compounds in Cosmeceuticals. *Marine Drugs*, **11**(1): 146–164.
- Toy, T. S. S., Lampus, B. S., Hutagalung, B. S. P., Program, K. S., Pendidikan, S., Gigi, D., Kedokteran, F., Masyarakat, B. I., Studi, P., Dokter, P., Fakultas, G., Universitas, K., dan Manado, S. R. 2015. Uji Daya Hambat Ekstrak Rumput Laut *Gracilaria* sp. Terhadap Pertumbuhan Bakteri *Staphylococcus aureus*. *Jurnal E-GiGi*, **3**(1): 153–159.
- Turupadang, W., and Johanis, M. 2023. Molecular Networking to Screen Macroalgal Secondary Metabolites: Case for West Timor Macroalgae. *Indonesian Journal of Chemical Research*, **10**(3): 203–211.
- Vengadeshkumar, M G, L., Sanjaygandhi, S., Rajamohan, K., Udhayakumar, R., and Sharmila, A. M. 2020. Antifungal activity of *Rhizophora apiculata* Against *Alternaria Solani*. *Plant Archives*, **20**(1): 2931–2936.
- Wang, M., Carver, J. J., Phelan, V. V., Sanchez, L. M., Garg, N., Peng, Y., Nguyen, D. D., Watrous, J., Kapono, C. A., Luzzatto-Knaan, T., Porto, C., Bouslimani, A., Melnik, A. V., Meehan, M. J., Liu, W. T., Crüsemann, M., Boudreau, P. D., Esquenazi, E., Sandoval-Calderón, M., and Bandeira, N. 2016. Sharing and Community Curation of Mass Spectrometry Data with Global Natural Products Social Molecular Networking. *Nature Biotechnology*, **34**(8): 828–837.
- Wang, X., Wu, M., Wan, B., Niu, C., Zheng, W., Guan, C., Pang, K., Chen, Z., and Yuan, X. 2021. Evolution of Holdfast Diversity and Attachment Strategies of Ediacaran Benthic Macroalgae. *Frontiers in Earth Science*, **9**(8342): 1-11.
- Wang, Y., Lin, B. and Li, Z. 2022. Effect of *Lactobacillus plantarum* Fermentation on Metabolites in Lotus Leaf Based on Ultra-High-Performance Liquid Chromatography-High-Resolution Mass Spectrometry. *Fermentation*, **8**(599): 1-11.

- Wibowo, J. T., Kellermann, M. Y., Versluis, D., Putra, M. Y., Murniasih, T., Mohr, K. I., Wink, J., Engelmann, M., Praditya, D. F., Steinmann, E., and Schupp, P. J. 2019. Biotechnological Potential of Bacteria Isolated from the Sea Cucumber *Holothuria leucospilota* and *Stichopus vastus* from Lampung, Indonesia. *Marine Drugs*, **17**(635): 1–25.
- Widayanti, V. T., Pranowo, D., Perdani, C., and Sinta, D. K. 2023. Microwave-Assisted Extraction (MAE) Method for Optimization of Dates Seed (*Phoenix dactylifera*) Extraction. *Agrriculture and Agroindustrial Engineering*, **6**(1): 49–61.
- Wigunarti, A. H., Pujiyanto, S., dan Suprihadi, A. 2019. Uji Aktivitas Antibakteri Ekstrak Biji Kelor (*Moringa oleifera* L.) Terhadap Pertumbuhan Bakteri *Staphylococcus aureus* dan Bakteri *Escherichia coli*. *Berkala Bioteknologi*, **2**(2): 1–8.
- Winastri, N. L. A. P., Muliasari, H., dan Hidayati, E. 2020. Aktivitas Antibakteri Air Perasan dan Rebusan Daun Calincing (*Oxalis corniculata* L.) Terhadap *Streptococcus mutans*. *Jurnal Ilmu-Ilmu Hayati*, **19**(2): 223–230.
- Wirawan, I. G. P., Kadek, N., Sintha, E., Malida, M., Sasadara, V., Nengah, I. G., Sunyamurthi, A., Jawi, I. M., Wijaya, I. N., Ayu, I., Darmawati, P., Suada, I. K., Agung, A., and Krisnandika, K. 2022. Phytochemical Analysis and Molecular Identification of Green Macroalgae *Caulerpa* spp. from Bali, Indonesia. *Molecules*, **22**: 1–13.
- Wirawan, I. G. P., Vernandes Sasadara, M. M., Wijaya, I. N., and Krinandika, A. A. K. 2020. DNA Barcoding in Molecular Identification and Phylogenetic Relationship of Beneficial Wild Balinese Red Algae, Bulung Sangu (*Gracilaria* sp.). *Bali Medical Journal*, **10**(1): 82–88.
- Yanshin, N., Kushnareva, A., Lemeshova, V., Birkemeyer, C., and Tarakhovskaya, E. 2021. Chemical Composition and Potential Practical Application of 15 Red Algal Species from the White Sea Coast (the Arctic Ocean). *Molecules*, **26**(2489): 1–17.
- Yuenleni, Y. 2019. Langkah-Langkah Optimasi PCR. *Indonesian Journal of Laboratory*, **1**(3): 51.
- Yulianti, Asmawati, Yunianti, dan Mangantungi, B. 2018. Aktivitas Antibakteri Ekstrak Alga Merah dari Pantai Luk, Sumbawa terhadap *Salmonella thypi* dan *Staphylococcus aureus* Antibacterial Activity of Red Algae Extracts from Luk Beach, Sumbawa against *Salmonella*

thypi and *Staphylococcus aureus*. *Biota*, **3**(1): 1–11.

Zuccarello, G. C., and Paul, N. A. 2019. A beginner's Guide to Molecular Identification of Seaweed. *Squalen Bulletin of Marine and Fisheries Postharvest and Biotechnology*, **14**(1): 43–53.

