

DAFTAR PUSTAKA

- Afrin, F., Ahsan, T., Mondal, M. N., Rasul, M. G., Afrin, M., Silva, A. A., Yuan, C., & Shah, A. K. M. A. (2023). Evaluation of Antioxidant and Antibacterial Activities of Some Selected Seaweeds from Saint Martin's Island of Bangladesh. *Food Chemistry Advances*, 3(1), 1-8.
- Alamsyah, H., Widowati, I., & Sabdono, A. (2014). Aktivitas Antibakteri Ekstrak *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.
- Andriamanantoanina, H., & Rinaudo, M. (2010). Characterization of The Alginates from Five Madagascan Brown Algae. *Carbohydrate Polymers*, 82(3), 555-560.
- Anggadiredja, J. (2004). *Deversity of Antibacterial Substances from Selected Indonesian Seaweeds (Desertasi)*. University of Indonesia, Faculty of Mathematics And Natural Sciences Graduate Study Proqram Biology. Depok
- Arguelles, E. D., Monsalud, R. G., & Sapin, A. B. (2019). Chemical Composition and In Vitro Antioxidant and Antibacterial Activities of *Sargassum vulgare* C. Agardh from Lobo Batangas, Philippines. *J. ISSAAS*, 25(1), 112-122.
- Assani, S. (1994). Mikrobiologi Kedokteran, *Journal Of Marine Research*, 32(2), 38-46.
- Aulia, A., Kurnia, S., & Mulyana, D. (2021). Identifikasi Morfologi Beberapa Jenis Anggota Phaeophyta di Pantai Palem Cibeureum, Anyer, Banten. *Journal of Biological Science*, 1(1), 21-28.
- Bocchi, M. B., Perna, A., Cianni, L., Vitiello, R., Greco, T., Maccauro, G., & Perisano, C. (2020). A Rare Case of *Bacillus megaterium* Soft Tissues Infection. *Acta Biomedica*, 91, 1-5.
- Campbell, N., & Jane, B. (2005). *Biology Sevent Edition*. Pearson Benjamin Cummingsw. Buies Creek
- Castro, P., & Huber, M. (2003). *Marine biology* (4th ed.). MacGraw-Hill Companies. USA
- Charrier, B., le Bail, A., & de Reviers, B. (2012). Plant Proteus: Brown Algal Morphological Plasticity and Underlying Developmental Mechanisms. *Trends in Plant Science*, 17(8), 468-477.
- Chiao, C., Siew, H., & Ching, W. (2011). Antibacterial Activity of *Sargassum polycystum* C. Agardh and *Padina australis* Hauck (Phaeophyceae). *African Journal of Biotechnology*, 10(64), 14125-14131.
- Christopher, S., & Paul, J. (1994). *Seaweed Ecology and Physiology*. Cambridge University Press. Cambride
- David, G., & Kwang, K. (2005). Anatomical Differentiation and Photosynthetic Adaptation in Brown Algae. *Algae*, 20(3), 233-238.
- Davis, W., & Stout, T. (1971). Disc Plate Methods of Microbiological Antibiotic Assay . *Applied Microbiology*, 22(1), 659-665.
- Dewi, F. (2010). *Aktivitas Antibakteri Ekstrak Etanol Buah Mengkudu (Morinda citrifolia, linnaeus)*. Skripsi. Universitas Sebelas Maret. FMIPA. Surakarta

- Dhyani, A., Gupta, V., Chauhan, A., Seshendra Kumar, R. N., & Chakravarty, S. (2019). Meningitis Caused by *Micrococcus luteus*. *IP International Journal of Medical Microbiology and Tropical Diseases*, 5(1), 63–64.
- Durairaj, S. B., & Andiyappan, B. R. (2020). Screening of Phytochemicals, Antibacterial, Antioxidant and Anti-inflammatory Activity of *Dictyota barteyresiana* Seaweed Extracts. *Asian Journal of Biological and Life Sciences*, 9(1), 20–26.
- Fayzi, L., Askarne, L., Cherifi, O., Houssine, E., & Cherifi, K. (2020). Comparative Antibacterial Activity of Some Selected Seaweed Extracts from Agadir Coastal Regions in Morocco. *International Journal of Current Microbiology and Applied Sciences*, 9(6), 390–399.
- Gomes, T. A. T., Elias, W. P., Scaletsky, I. C. A., Guth, B. E. C., Rodrigues, J. F., Piazza, R. M. F., Ferreira, L. C. S., & Martinez, M. B. (2016). Diarrheagenic *Escherichia coli* In *Brazilian Journal of Microbiology*, 47(1), 3–30.
- Greenblatt, C. L., Baum, J., Klein, B. Y., Nachshon, S., Koltunov, V., & Cano, R. J. (2004). *Micrococcus luteus* Survival in Amber. *Microbial Ecology*, 48(1), 120–127.
- Guérin, H., Kulakauskas, S., & Chapot-Chartier, M. P. (2022). Structural Variations and Roles of Rhamnose-Rich Cell Wall Polysaccharides in Gram-positive Bacteria. In *Journal of Biological Chemistry*, 298(10), 1–16.
- Guiry, M. D., & Guiry, G. M. (2018). *Turbinaria J.V. Lamouroux 1825*. World-Wide Electronic Publication, National University of Ireland, Galway (Taxonomic Information Republished from AlgaeBase with Permission of M.D. Guiry).
- Hadioetomo, R. S. (1985). *Mikrobiologi Dasar dalam Praktek: Teknik dan Prosedur Dasar Laboratorium*. Gramedia. Jakarta
- Hafizah, I., Akib, N., & Fajrianto, M. (2014). Uji Aktivitas Antibakteri Ekstrak Metanol Rumput Laut (*Eucheuma* sp.) pada BerbagaiTingkat Konsentrasi terhadap Pertumbuhan Bakteri *Escherichia coli* dan *Staphylococcus aureus*. *Medula*, 1(2), 64–70.
- Handayani, O. T. (2018). Mengenal Makroalga *Turbinaria* dan Pemanfaatannya. *Biodiversitas*, 18(3), 28–39.
- Harborne, J. B. (1987). *Metode fitokimia: penuntun cara modern menganalisis tumbuhan, diterjemahkan oleh kosasih padmawinata dan iwang soediro*. Penerbit ITB. Bandung
- Hartati, S. T., & Rahman, D. A. (2016). Current State of Coral Reef Health and Resources of Reef Fish in Pangandaran Beach Waters, West Java. *Journal of Bawal*, 8(1), 37–48.
- Hasan, E., El-Hashash, M., & Zahran, M. (2022). Comparative Study of Chemical Composition, Antioxidant and Anticancer Activities of Both *Turbinaria decurrens* Bory Methanol Extract and Its Biosynthesized Gold Nanoparticles. *Journal of Drug Delivery Science and Technology*, 67(1), 48–56.
- Hatmanti, A. (2000). Pengenalan *Bacillus* Spp. *Oseana*, 25(1), 31–41.
- Ibrahim, Y., Surtikanti, H. K., & Adianto, dan. (2013). The Analysis of Biota Variety and Physical Chemical Factor of Karapyak Seashore of Pangandaran for The Need of Developing and Iintegrated Field Study for The Students of Biology

- Teacher Candidate. *Proceeding Biology Education Conference: Biology, Science, Enviromental, and Learning*, 11(1), 740-744.
- Ibrahim, Y., Surtikanti, Riandi, & Adi Anto. (2014). Analisis Keragaman Biota dan Faktor Fisiko-Kimia Pantai Karapyak Pangandaran untuk Kebutuhan Pengembangan Kuliah Lapangan Terpadu Mahasiswa Calon Guru Biologi. *Seminar Nasional XI Pendidikan Biologi FKIP UNS*, 1(11), 14-126.
- Isabella, A. (1992). *Taxonomy of Economic Seaweeds with Reference to Some Pacific and Western Atlantic Species Volume III A Publication of The California Sea Grant College: Vol. III*. California Sea Grant College. California
- Jakirman, E., Miharja, J., Biologi, P., Pasundan, U., & La Tansa Mashiro, U. (2020). Abundance and Diversity of Seagrass, Brown Algae at Karapyak Pangandaran Beach, West Java, Indonesia. *Jurnal Biologi Dan Pendidikan Biologi*, 1(1), 77-89.
- Jeeva, S., Antonisamy, J. M., Domettilla, C., Anantham, B., & Mahesh, M. (2012). Preliminary Phytochemical Studies on Some Selected Seaweeds from Gulf of Mannar, India. *Asian Pacific Journal of Tropical Biomedicine*, 2(1), 30-33.
- Jumaetri Sami, F., Hariani Soekamto, N., & Latip, J. (2019). Uji Aktivitas Antioksidan Ekstrak Alga Coklat *Sargassum polycystum* dan *Turbinaria decurrens* Asal Pulau Dutungan Sulawesi Selatan terhadap Radikal DPPH. *Jurnal Kimia Riset*, 4(1), 1-6.
- Kadi, A. (2005). *Beberapa Catatan Kehadiran Marga Sargassum di Perairan Indonesia*. Bidang Sumberdaya Laut, Pusat Penelitian Oseanografi, LIPI. Jakarta
- Kalasariya, H., & Patel, N. (2019). *A Beginners Guide for Seaweeds Identification*. Edureaction Publishing. USA
- Kaper, J. B., Nataro, J. P., & Mobley, H. L. T. (2004). Pathogenic *Escherichia coli*. *Nature Reviews Microbiology*, 2(2), 123-140.
- Katamang, A. v, Rumampuk, N. D. C., & Gerung, G. S. (2016). Telaah Bentuk Sel *Acanthophora spicifera* dari Pantai Mokupa Sulawesi Utara. *Jurnal Pesisir dan Laut Tropis*, 1(1), 26-29.
- Keumala, T., Irnawati, S., Susi, S., Aktif Rumput Laut Cokelat sebagai Antioksidan dan Antibakteri. *Jurnal Penelitian Terapan Perikanan dan Kelautan*, 4(2), 66-74.
- Klomjit, A., Praiboon, J., Tiengrim, S., Chirapart, A., & Thamlikitkul, V. (2021). Phytochemical Composition and Antibacterial Activity of Brown Seaweed, *Padina australis* against Human Pathogenic Bacteria. *Journal of Fisheries and Environment*, 45(1), 8-21.
- Kloos, W. E., Tornabene, T. G., & Schleifer, K. H. (1974). Isolation and Characterization of Micrococci from Human Skin, Including Two New Species: *Micrococcus lylae* and *Micrococcus kristinae*. *International Journal of Systematic Bacteriology*, 24(1), 79-101.
- Konokhova, A. I., Gelash, A. A., Yurkin, M. A., Chernyshev, A. V., & Maltsev, V. P. (2013). High Precision Characterization of Individual *E. coli* Cell Morphology by Scanning Flow Cytometry. *Cytometry Part A*, 83 A(6), 568-575.
- Kordjazi, M., Etemadian, Y., Shabanpour, B., & Pourashouri, P. (2019). Chemical Composition Antioxidant and Antimicrobial Activities of Fucoidan Extracted from Two Species of Brown Seaweeds (*Sargassum ilicifolium* and *Sargassum*

- angustifolium*) around Qeshm Island. *Iranian Journal of Fisheries Sciences*, 18(3), 457-475.
- Kurniasih, I., Nurhayati, A., Dewanti, L. P., & Rizal, A. (2020). Marine Tourism Potential in Pangandaran Regency. *Jurnal Perikanan Dan Kelautan*, 10(1), 8.
- Lay, B. W. (1994). *Analisis Mikroba di Laboratorium*. PT. Rajagrafindo Persada. Jakarta
- Lutviandhitarani, G., Wahyu Harjanti, D., & Wahyono, F. (2015). Green Antibiotic Daun Sirih (*Piper betle* L.) Sebagai Pengganti Antibiotik Komersial untuk Penanganan Mastitis. *Jurnal Agripet*, 15(1), 28-32.
- Maduriana, I., & Sudira, I. (2009). Skrining dan Uji Aktivitas Antibakteri Beberapa Rumput Laut dari Pantai Batu Bolong Canggu dan Serangan. *Buletin Veteriner Udayana*, 1(2), 69-76.
- Maharany, F., Suwandi, R., Anwar, E., Hidayat, T. (2017). Kandungan Senyawa Bioaktif Rumput Laut *Padina australis* dan *Eucheuma cottonii* sebagai Bahan Baku Krim Tabir Surya. *JPHPI*, 20(1), 10-17.
- Maida, S., Ayu, K., Lestari, P. (2019). Aktivitas Antibakteri Amoksilin terhadap Bakteri Gram Positif dan Bakteri Gram Negatif. *J. Pijar MIPA*, 14(3), 189-191.
- Mancuso, G., Midiri, A., Gerace, E., & Biondo, C. (2021). Bacterial Antibiotic Resistance: The Most Critical Pathogens. *Pathogens*, 10(10), 1-14.
- Manmadhan, K., Hideaki, S., Soumya, H., Shinji, Y., & Shinichi, N. (2006). Antibacterial Activities of Marine Epibiotic Bacteria Isolated from Brown Algae of Japan. *Annals of Microbiology*, 56(2), 167-173.
- Mansuya, P., Aruna, P., Sridhar, S., Suresh Kumar, J., & Babu, S. (2010). Antibacterial Activity and Qualitative Phytochemical Analysis of Selected Seaweeds from Gulf of Mannar Region. *Journal of Experimental Sciences*, 1(1), 23-26.
- Marfuah, I., Dewi, N., & Rianingsih, L. (2018). Kajian Potensi Ekstrak Anggur Laut (*Caulerpa racemosa*) sebagai Antibakteri terhadap Bakteri *Escherichia coli* dan *Staphylococcus aureus*. *J. Peng. & Biotek*, 7(1), 7-14.
- Mattio, L., Payri, C. E., & Verlaque, M. (2009). Taxonomic Revision and Geographic Distribution of The Subgenus *Sargassum* (Fucales Phaeophyceae) in The Western and Central Pacific Islands Based on Morphological and Molecular Analysis. *Journal of Phycology*, 45(5), 1213-1227.
- Maulani, R. K., Achmad, M., & Latama, G. (2017). Karakteristik Jaringan Secara Histologi dari Strain Rumput Laut (*Kappaphycus alvarezii*) yang Terinfeksi Penyakit Ice-Ice. *Torani: JFMarSci*, 1(1), 45-57.
- McClintock JB. 2001. *Marine Chemical Ecology*. CRC Press. USA
- Meenakshi, S., Saravanan, R., Balasubramanian, T., & Palavesam, & A. (2019). In Vivo Administration of Fucoidan from *Turbinaria decurrens* Protects Shrimps from White Spot Syndrome Virus. In *Indian Journal of Geo Marine Sciences*, 48(2).
- Moorthi, P., & Balasubramanian, C. (2015). Antimicrobial Properties of Marine Seaweed, *Sargassum muticum* Against Human Pathogens. *Journal of Coastal Life Medicine*, 3(2), 122-125.

- Mulyatni, A., Budiani, A., & Taniwiryo, D. (2012). Aktivitas Antibakteri Ekstrak Kulit Buah Kakao (*Theobroma cacao* L.) terhadap *Escherichia coli*, *Bacillus subtilis*, dan *Staphylococcus aureus*. *Jurnal Menara Perkebunan*, 80(2), 77–84.
- Mutschler, E., Ranti, A., & Widiyanto, M. (1991). *Dinamika Obat: Buku Ajar Farmakologi dan Toksikologi*. Penerbit ITB. Bandung
- Nazarudin, M. F., Paramisparam, A., Khalid, N. A., Albaz, M. N., Shahidan, M. S., Yasin, I. S. M., Isha, A., Zarin, M. A., & Aliyu-Paiko, M. (2020). Metabolic Variations in Seaweed, *Sargassum polycystum* Samples Subjected to Different Drying Methods via 1H NMR-based Metabolomics and Their Bioactivity in Diverse Solvent Extracts. *Arabian Journal of Chemistry*, 13(11), 7652–7664.
- Oktaviani, D. F., Nursatya, S. M., Tristiani, F., Faozi, A. N., Saputra, R. H., Nur Meinita, M. D., & Riyanti. (2019). Antibacterial Activity from Seaweeds *Turbinaria ornata* and *Chaetomorpha antennina* Against Fouling Bacteria. *IOP Conference Series: Earth and Environmental Science*, 255(1), 1–8.
- Pádua, D., Rocha, E., Gargiulo, D., & Ramos, A. A. (2015). Bioactive Compounds from Brown Seaweeds: Phloroglucinol, Fucoxanthin and Fucoidan as Promising Therapeutic Agents Against Breast Cancer. In *Phytochemistry Letters* 14(1), 91–98.
- Pangestuti, I., Sumardianto, & Amalia, U. (2017). Skrining Senyawa Fitokimia Rumput Laut *Sargassum* sp. dan Aktivasinya sebagai Antibakteri terhadap *Staphylococcus aureus* dan *Escherichia coli*. *Journal of Fisheries Science and Technology*, 12(2), 98–102.
- Pansing, J., Sondak, C. F., Th Wagey, B., Ompi, M., & Kondoy, K. I. (2017). Morfologi *Sargassum* sp. di Kepulauan Raja Ampat, Papua Barat. *Jurnal Pesisir dan Laut Tropis*, 1(1), 13–17.
- Pearson, H. E. (1970). Human Infections Caused by Organism of The *Bacillus* species. *Am J Clinic Pathol*, 53, 506–515.
- Pelczar, Michael. J., & Chan, E. C. S. (2008). *Dasar-Dasar Mikrobiologi Jilid I*. Penerbit ITB. Bandung
- Pérez, M. J., Falqué, E., & Domínguez, H. (2016). Antimicrobial Action of Compounds from Marine Seaweed. In *Marine Drugs*, 14(3), 1–38.
- Pramessti, R. (2021). Senyawa Metabolit Sekunder Rumput Laut Coklat *Sargassum polycystum* yang Berpotensi sebagai Antibakteri *Escherichia coli* Multi Drug Rersistent. *Seminar Nasional Kelautan XII*, 85–94.
- Purwati, S., T Lumowa, S. V, & Samsurianto. (2017). Skrining Fitokimia Daun Saliara (*Lantana camara* L.) sebagai Pestisida Nabati Penekan Hama dan Insidensi Penyakit pada Tanaman Holtikultura Di Kalimantan Timur. *Prosiding Seminar Nasional Kimia*.
- Rachmaniar, R. (2005). *Penelitian Kandungan Kimia Makroalgae untuk Neuroceuticals dan Agrochemicals*. Laporan Akhir P2O LIPI. Jakarta
- Rattaya, S., Benjakul, S., & Prodpran, T. (2015). Extraction, Antioxidative, and Antimicrobial Activities of Brown Seaweed Extracts, *Turbinaria ornata* and *Sargassum polycystum*, Grown in Thailand. *International Aquatic Research*, 7(1), 1–16.

- Rebecca, J., Rebecca, L. J., Dhanalakshmi, V., & Shekhar, C. (2012). Antibacterial Activity of *Sargassum ilicifolium* and *Kappaphycus alvarezii*. *Journal of Chemical and Pharmaceutical Research*, 4(1), 700–705.
- Rahelivao, M. P., Gruner, M., Andriamanantoanina, H., Bauer, I., & Knölker, H. J. (2015). Brown Algae (Phaeophyceae) from the Coast of Madagascar: Preliminary Bioactivity Studies and Isolation of Natural Products. *Natural Products and Bioprospecting*, 5(5), 223–235.
- Riwanti, P., Andayani, R., & Trinanda, L. (2021). Uji Aktivitas Antibakteri *Sargassum polycystum* terhadap Bakteri *Staphylococcus aureus*. *Journal of Pharmacy and Science*, 6(1).
- Riwanti, P., & Izazih, F. (2019). Skrining Fitokimia Ekstrak Etanol 96% *Sargassum polycystum* dan Profile dengan Spektrofotometri Infrared. *Acta Holist*, 2(1), 34–41.
- Riyanto, E., Widowati, I., & Sabdono, A. (2013). Skrining Aktivitas Antibakteri pada Ekstrak *Sargassum polycystum* terhadap Bakteri *Vibrio harveyi* dan *Micrococcus luteus* di Pulau Panjang Jepara. *Journal of Marine Research*, 1(1), 115–121.
- Robins, R., Robins, R. M., & Hartland, E. L. (2002). *Escherichia coli* as a Cause of Diarrhea. *Journal of Gastroenterology and Hepatology*, 17(1), 467–475.
- Rostikawati, T., & Supratman, L. (2020). Uji Antibakteri Obat Kumur Ekstrak Etanol Tanaman Ciplukan (*Physalis angulata* L.) terhadap Bakteri Gram Positif. *Jurnal Pendidikan dan Biologi*, 13(1), 103–110.
- Rosyidah, K., Nurmuhaimina, S. A., Komari, N., & Astuti, M. D. (2010). Aktivitas Antibakteri Fraksi Saponin dari Kulit Batang Tumbuhan Kasturi (*Mangifera casturi*). *ALCHEMY*, 1(2), 53–103.
- Safhi, M. M., Alam, M. F., Sivakumar, S. M., & Anwer, T. (2019). Hepatoprotective Potential of *Sargassum muticum* against STZ-Induced Diabetic Liver Damage in Wistar Rats by Inhibiting Cytokines and the Apoptosis Pathway. *Analytical Cellular Pathology*, 2019(2), 1–8.
- Sahidin, A., Hamdani, H., . Z., Herawati, H., Octavina, C., & Syawal, M. S. (2021). Diversity, Distribution and Decreasing Factor of Intertidal Invertebrate Communities in The Pangandaran Tourism, Indonesia. *International Journal of Fisheries and Aquatic Studies*, 9(1), 357–364.
- Samiyarsih, S., Ats'tsaury, M. I. S., Insan, A. I., & Fitrianto, N. (2020). Variasi Karakter Anatomis Talus *Padina australis* Hauck 1887 (Dictyotales, Phaeophycota) di Pantai Karang Tengah Kabupaten Cilacap. *Journal of Marine Research*, 9(4), 399–406.
- Sangil, K., Kyeong, C., Seohyeon, V., Seong, K., Hee, K., & Rul, P. (2022). Geographic Differentiation of Morphological Characteristics in the Brown Seaweed *Sargassum thunbergii* along the Korean Coast: A Response to Local Environmental Conditions. *Journal of Marine Science and Engineering*, 10(4), 1–15.

- Saptari, T., Lohita, B., & Triastinurmiatiningsih. (2015). Efektivitas Ekstrak *Padina australis* sebagai Antibakteri *Escherichia coli* Penyebab Diare. *Jurnal Ilmiah Farmasi*, 4(2), 1-9.
- Savitri, I., Suhendra, L., & Made, N. (2017). Pengaruh Jenis Pelarut pada Metode Maserasi terhadap Karakteristik Ekstrak *Sargassum polycystum*. *Jurnal Rekayasa dan Manajemen Argoindustri*, 5(3), 93-101.
- Shanmugam, N., Rajkamal, P., Cholan, S., Kannadasan, N., Sathishkumar, K., Viruthagiri, G., & Sundaramanickam, A. (2014). Biosynthesis of Silver Nanoparticles from The Marine Seaweed *Sargassum wightii* and Their Antibacterial Activity Against Some Human Pathogens. *Applied Nanoscience (Switzerland)*, 4(7), 881-888.
- Sidauruk, S. W., Sari, N. I., Diharmi, A., Arif, I., & Sukmiwati, M. (2021). Characteristics of *Sargassum plagyophillum* Extract as An Active Compound on Non-Alcoholic Hand Sanitizer. *IOP Conference Series: Earth and Environmental Science*, 934(1), 1-5.
- Sims, G. K., Sommers, L. E., & Konopka, A. (1986). Degradation of Pyridine by *Micrococcus luteus* Isolated from Soil. *Applied and Environmental Microbiology*, 51(5), 963-968.
- Singkoh, M., Katili, D., Rumondor, M. (2021). Phytochemical Screening and Antibacterial Activity of Brown Algae (*Padina australis*) from Atepe Oki Coast, East Lembean of Minahasa Regency. *AAACL Bioflux*, 14(1), 455-461
- Siregar, A., Sabdon, A., & Pringgenies, D. (2012). Potensi Antibakteri Ekstrak Rumput Laut Terhadap Bakteri Penyakit Kulit *Pseudomonas aeruginosa*, *Staphylococcus epidermidis*, dan *Micrococcus luteus*. *Journal of Marine Research*, 1(2), 152-160.
- Sjotun, K., Armitage, C., Eilertsen, M., & Todt, C. (2021). Fauna Associated with Non-Native *Sargassum muticum* (Fucales, Phaeophyceae) Vary with Thallus Morphology and Site Tipe (Sounds and Bays). *Marine Biology Research*, 17, 454-466
- Sobuj, M. K. A., Islam, M. A., Islam, M. S., Islam, M. M., Mahmud, Y., & Rafiquzzaman, S. M. (2021). Effect of Solvents on Bioactive Compounds and Antioxidant activity of *Padina tetrastromatica* and *Gracilaria tenuistipitata* Seaweeds Collected from Bangladesh. *Scientific Reports*, 11(1).
- Subba, R., Lakshmi, P., & Manjula, E. (2010). Antimicrobial Activity of Seaweeds *Gracillaria*, *Padina* sp. and *Sargassum* sp. on Clinical and Phytopathogens. *International Journal of Chemical and Analytical Science*, 1(6), 114-117.
- Svennesen, L., Skarbye, A. P., Farre, M., Astrup, L. B., Halasa, T., Krömker, V., Denwood, M., & Kirkeby, C. (2023). Treatment of Mild to Moderate Clinical Bovine Mastitis Caused by Gram-Positive Bacteria: A Noninferiority Randomized Trial of Local Penicillin Treatment Alone or Combined with Systemic Treatment. *Journal of Dairy Science*, 106(8), 5696-5714.
- Syad, A., Shunmugiah, K., & Kasi, P. (2013). Seaweed as Nutritional Supplements: Analysis of Nutritional Profile, Physicochemical Properties And Proximate

- Composition of *G. acerosa* And *S. wightii*. *Biomedicine and Preventive Nutrition*, 3, 139–144.
- Trivedi, S., Alshehri, M. A., Aziz, A. T., Panneerselvam, C., Al-Aoh, H. A., Maggi, F., Sut, S., & Dall'Acqua, S. (2021). Insecticidal, Antibacterial and Dye Adsorbent Properties of *Sargassum muticum* Decorated Nano-Silver Particles. *South African Journal of Botany*, 139(1), 432–441.
- Trono, J., & Ganzon, F. (1988). *Phillippine seaweeds*. National Book Store. Manila
- Twentyna Dolorosa, M., Purwaningsih, S., Anwar, E., & Hidayat, T., (2017). Kandungan Senyawa Bioaktif Bubur Rumput Laut *Sargassum plagyophyllum* dan *Eucheuma cottonii* sebagai Bahan Baku Krim Pencerah Kulit. *JPHPI 2017*, 20(3), 633–644.
- Vary, P. S., Biedendieck, R., Fuerch, T., Meinhardt, F., Rohde, M., Deckwer, W. D., & Jahn, D. (2007). *Bacillus megaterium* from Simple Soil Bacterium to Industrial Protein Production Host. In *Applied Microbiology and Biotechnology* 76(5), 957–967.
- Warbung, Y. Y., Wowor, V. N. S., & Posangi, J. (2013). Daya Hambat Ekstrak Spons Laut *Callispongia* sp. terhadap Pertumbuhan Bakteri *Staphylococcus aureus*. *Jurnal Ilmiah Kedokteran Gigi*, 1(2), 1–12.
- Widyartini, D. S., Samiyarsih, S., Retno, T., Paindian, A., & Kholilullah, I. (2021). Anatomical Structure of *Sargassum Polycystum* Thallus from Menganti and Karimunjawa Beaches, Central Java Indonesia. *Journal of Hunan University (Natural Sciences)*, 48(10), 265–274.
- Widyartini, D. S., Widodo, P., & Susanto, A. B. (2017). Thallus Variation of *Sargassum polycystum* from Central Java, Indonesia. *Biodiversitas*, 18(3), 1004–1011.
- Wieser, M., Denner, E. B. M., Kampfer, P., Schumann, P., Tindall, B., Steiner, U., Vybiral, D., Lubitz, W., Maszenan, A. M., Patel, B. K. C., Seviour, R. J., & Radax, C. (2002). Emended Descriptions of The Genus *Micrococcus*, *Micrococcus luteus* (Cohn 1872) and *Micrococcus lylae* (Kloos et al. 1974). *International Journal of Systematic and Evolutionary Microbiology*, 52, 629–637.
- Wijayanti, N., Sudjarwo, G. W., & Putra, O. N. (2020). Skrining Fitokimia Metabolit Sekunder Alga Cokelat (*Padina australis*) dari Kepulauan Poteran Madura. *Journal of Pharmaceutical Care Anwar Medika*, 2(2), 2654–8364.
- Winarno, G. (1990). *Teknologi Pengelolaan Rumput Laut*. Pustaka Sinar Harapan. Jakarta
- Wiraningtyas, A., Ruslan, H., Qubra, D., & Sry, A. (2020). Uji Kestabilan Penyimpanan Ekstrak Zat Warna Alami dari Rumput Laut *Sargassum* sp. *Jurnal Pendidikan Kimia Dan Terapan*, 3(1), 1–7.
- Wu, Y., Gao, H., Wang, Y., Peng, Z., Guo, Z., Ma, Y., Zhang, R., Zhang, M., Wu, Q., Xiao, J., & Zhong, Q. (2022). Effects of Different Extraction Methods on Contents, Profiles, and Antioxidant Abilities of Free and Bound Phenolics of *Sargassum polycystum* from the South China Sea. *Journal of Food Science*, 87(3), 968–981.

- Yende, S. R., Harle, U. N., Arora, S. K., & Pande, V. B. (2018). Phytochemical Screening and Anticonvulsant Activity of *Sargassum ilicifolium* (Brown Algae) in Mice. *Phytopharmacology*, 7(1), 25–28.
- Yu, D., Banting, G., & Neumann, N. F. (2021). A Review of The Taxonomy, Genetics, and Biology of The Genus *Escherichia* and The Type Species *Escherichia coli*. *Canadian Journal of Microbiology*, 67(8), 553–571.
- Yulneriwarni, Silfia, H., & Handayani, S. (2016). Aktivitas Antibakteri Ekstrak Makroalga *Padina australis* dan *Laurencia nidifica* di Kepulauan Seribu terhadap Bakteri *Staphylococcus aureus* dan *Escherichia coli*. *Jurnal Pro-Life* , 3(3), 153–166.

