

DAFTAR PUSTAKA

- Aguilera, M. A., Thiel, M., Ullrich, N., Luna-Jorquera, G., Buschbaum, C. 2017 Selective Byssus Attachment Behavior of Mytilid Mussels from Hard-and Soft-Bottom Coastal Systems. *Journal of Experimental Marine Biology and Ecology*, **497**: 61-70.
- Alfaro, A.C. 2005. Effect of Water Flow and Oxygen Concentration on Early Settlement of the New Zealand Green-lipped Mussel, *Perna canaliculus*. *Aquaculture*, **246**(1-4): 285-294.
- Alfaro, A.C. 2006. Byssal Attachment of Juvenile Mussels, *Perna canaliculus*, Affected by Water Motion and Air Bubbles. *Aquaculture*, **255** (1-4): 357-361.
- Alfaro, A.C., Copp, B.R., Appleton, D.R., Kelly, S., Jeffs, A.G. 2006. Chemical Cues Promote Settlement in Larvae of the Green-lipped Mussel, *Perna canaliculus*. *Aquaculture International*, **14**: 405-412.
- Amaranggana, L dan Wathoni, N. 2017. Manfaat Alga Merah (*Rhodophyta*) sebagai Sumber Obat dari Bahan Alami. *Majalah Farmasetika*, **2**(1): 16-19.
- Anggadiredja, J.T. Zatnika, A. Purwoto, H. Istini, S. 2010. Rumput Laut: Pembudidayaan, Pengolahan, dan Pemasaran Komoditas Perikanan Potensial. Penebar Swadaya. Jakarta. 147 hal.
- Aphotomarine. 1999. *Perna viridis* (Linnaeus, 1758). https://www.aphotomarine.com/bivalve/perna_viridis.html, diakses pada 10 Mei 2020.
- Arif M.S. 2019. Uji Toksisitas dan Identifikasi Ekstrak Kasar Metanol Alga Merah (*Eucheuma cottoni*) dengan Variasi Metode Pengeringan dari Perairan Wongosorejo Banyuwangi. Skripsi. Fakultas Sains dan Teknologi. Universitas Islam Negeri Maulana Malik Ibrahim, Malang. 93 hal.
- Aslan, L.M. 1998. Budidaya Rumput Laut. Kanisius. Yogyakarta. 97 hal.
- Babbaro, J.M.F and Carrington. E. 2013. Attachment Strength of the Mussel *Mytilus galloprovincialis*: Effect of Habitat and Body Size. *Journal of Experimental Marine Biology and Ecology*, **443**: 188-196.
- Baharuddin, M. 2011. Analisis Perbedaan Kandungan Lipida Mikroalga (*Tetraselmis chuii* dan *Nannochloropsis oculata*) pada Air Laut dan Air Payau. *Jurnal Teknosains*, **5**(1): 26-32.
- Ban, T., Singh, I.P and Etoh, H. 2000. Polygodial, a Potent Attachment-inhibiting Substance for the Blue Mussel, *Mytilus edulis galloprovincialis* from

- Tasmannia lanceolata*. *Biosci. Biotechnol. Biochem*, **64**(12): 2699-2701.
- Barnes. R.D. 1974. *Invertebrata Zoology* Thridd Edition. Philadelphia. USA. 874p.
- Bayne, B.L. 1965. Growth and the Delay of Metamorphosis of the Larvae of *Mytilus edulis* (L.) *Ophelia*, **2**(1): 1-47.
- Beck, K and Richard, J.N. 2003. An Evaluation of Selective Feeding by Three Age-Groups of the Rainbow Mussel *Villosa iris*. *North American Journal of Aquaculture*, **63**(3): 203-209.
- Bhuyar, P., Rahim, M.H., Sundararaju, S., Maniam, G.P., Govindan, N. 2020. Antioxidant and Antibacterial Activity of Red Seaweed; *Kappaphycus alvarezii* Against Pathogenic Bacteria. *Global J. Environ. Sci. Manage*, **6**(1): 47-58.
- Bohlmann, J and Keeling, C.I. 2008. Terpenoid Biomaterials. *The Plant Journal*, **54**: 656-669.
- Campbell, N.A., Reece, J.B., Mitchell, L.G. 2003. *Biologi Jilid 2 Edisi Kelima Alih Bahasa*: Wasmen. Erlangga. Jakarta.
- Cappenberg, H.A.W. 2008. Beberapa Aspek Biologi Kerang Hijau *Perna viridis* Linnaeus 1758. *Oseana*, **32**(1): 33-40.
- Clavico, E.E.G., Muricy, G., Da Gama, B.A.P., Batista, D., Ventura, C.R.R and Pereira, R.C. 2005. Ecological Roles of Natural Products from the Marine Sponge *Geodia corticostylifera*. *Marine Biology*, **2006**(148): 479-488.
- Chuah, X.Q., Mun, W., Teo, S.S. Comparison Study of Anti-microbial Activity Between Crude Extract of *Kappaphycus alvarezii* and *Andrographis paniculata*, *Asian Pacific Journal of Tropical Biomedicine*, doi: 10.1016/j.apjtb.2017.07.003
- Direktorat Jenderal Perikanan Budidaya. 2020. KKP Genjot Nilai Ekonomi Rumput Laut Nasional. <https://kkp.go.id/djpb/artikel/16526-kkp-genjot-nilai-ekonomi-rumput-laut-nasional>, diakses pada 1 April 2020.
- Dolorosa, T.M., Nurjanah, P.S., Effionora, A., Taufik, H. 2017. Kandungan Senyawa Bioaktif Bubur Rumput Laut *Sargassum plagyophyllum* dan *Eucheuma cottoni* sebagai Bahan Baku Krim Pencerah Kulit. *Jurnal Pengolahan Hasil Perikanan Indonesia*, **20**(2): 633-644.
- Ferdinan, D. 2017. *Kondisi Sosial Ekonomi Nelayan Kerang Hijau di Pulau Pasaran Kecamatan Teluk Betung Timur Kota Bandar Lampung Tahun 2016*. Skripsi. Fakultas Keguruan dan Ilmu Pendidikan. Universitas Lampung. Bandar Lampung. 95 hal.

- Gosling, E. 2004. *Bivalvia Mollusc Biology, Ecology and Culture*. Fishing News Books. 327p.
- Hadfield, M. G., and Paul, V. J. 2001. Natural Chemical Cues for Settlement and Metamorphosis of Marine-Invertebrate Larvae. *Marine Chemical Ecology*, **13**: 431-461.
- Harborne, J.B, 1984. *Phytochemical Methods* Second Edition. Chapman and Hall. New York. 288p.
- Hayes, K.R., Cannon, R., Nell, K., Inglis, G. 2005. Sensitivity and Cost Considerations for the Detection and Eradication of Marine Pests in Ports. *Marine Pollution Bulletin*, **50**: 823-834.
- Hickman, RW. 1976. Potential for the use of Stranded Seed Mussels in Mussel Farming. *Aquacuff*, **9**: 287-293.
- Iqbal, T. H. 2017. *Feeding Ecology of Asian Green Mussel (Perna viridis): Influences of Sexes, Sizes, Habitats and Seasons*. Thesis. Science in Fishery Technology. Prince of Songkala University. Thailand. 75p.
- Jiang, Z., Kempinski, C., Chappell, J. 2016. Extraction and Analysis of Terpenes/terpenoids. *Curr Protoc Plant Biol*, **1**: 345-358.
- Jones, J.W., Mair, R.A., Neves, R.J. 2005. Factors Affecting Survival and Growth of Juvenile Freshwater Mussels Cultured in Recirculating Aquaculture Systems. *North American Journal of Aquaculture*, **67**: 210-22.
- Kardono. 2004. Prospecting on Marine Natural Products for Potensial Functional Foods and Bioactive Substance. *Bioteknologi Kelautan Dan Perikanan*, Badan Riset Kelautan dan Perikanan. Departemen Kelautan dan Perikanan. 15 hal.
- Kastawii, Y.A dan Azhar. 2003. *Zoologi Avertebrata*. UNM Press. Malang.
- Laili, R. 2016. *Uji Aktivitas Antioksidan dan Identifikasi menggunakan Spektrofotometer UV-VIS Senyawa Steroid Fraksi Petroleum Eter Hasil Hidrolisis Ekstrak Metanol Alga Merah (Euचेuma spinosum)*. Skripsi. Fakultas Sains dan Teknologi. Universitas Islam Negeri Maulana Malik Ibrahim, Malang. 101 hal.
- Lane, D.J.W., Beaumont, A.R., Hunter, J.R. 1985. Byssus Drifting and the Drifting Threads of the Young Postlarval Mussel *Mytilus edulis*. *Marine Biology*, **84**(3): 301-308.

- Lavandeira, M.G., Silva, A., Abad, M., Pazos, A.J., Sanchez, J.L., Paralle, M.L.Z. 2005. Effect of GABA and Epinephrine on the Settlement and Metamorphosis of Larvae of Four Species of Bivalve Molluscs. *Journal of Experimental Marine Biology and Ecology*, **316**: 149-156.
- Loupatty, V.D. 2010. *Kajian Senyawa Metabolit Primer dan Sekunder dari Rumput Laut sebagai Bahan Baku Industri*. Proseding Seminar Nasional Basic Science II. Universitas Pattimura. Ambon. 169-179 hal.
- Maharany, F., Nurjanah., Suwadi, 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.
- Manley, C. B., Rakocinski, C. F., Lee, P. G., Blaylock, R. B. 2014. Stocking Density Effects on Aggressive and Cannibalistic Behaviors in Larval Hatchery-reared Spotted seatrout , *Cynoscion nebulosus*. *Aquaculture*, **420**: 89-94.
- Mayore, S., Damongilala, L.J., Mewengkang, H.W., Salindeho, N., Makapedua, D.M., Sanger, G. 2018. Analisis Fitokimia dan Uji Total Kapang pada Rumput Laut Kering *Eucheuma denticulatum* dan *Kappaphycus alvarezii*. *Jurnal Media Teknologi Hasil Perikanan*, **6**(3): 77-81.
- McCoy and Chongpeepien, T. 1988. Bivalve Mollusc Culture Research in Thailand. Departement of Fisheries. Thailand. 156p.
- Mero, F.F.C., Fiona, L.P., Mary, J.S., Amar, A., Cadangin, J.F., Rendaje, D.C., Verde, C.S., Maquirang, J.R.H., Pinosa, L.A.G. 2019. Influence of Water Management , Photoperiod and Aeration on Growth , Survival , and Early Spat Settlement of the Hatchery-reared Green Mussel , *Perna viridis*. *Int Aqua Res*, **11**: 159-172.
- Mitra, M., Patidar, S.K., George, B., Shah, F., Mishra, S. 2015. A Euryhaline *Nannochloropsis gaditana* with Potential for Nutraceutical (EPA) and Biodiesel Production. *Algal Research*, **8**: 161-167.
- Nafis, M.H. 2016. *Degradasi Diklorometana dalam Air dengan Metode Advance Oxidation Treatment (AOT)*. Skripsi. Fakultas Sains dan Teknologi. Universitas Airlangga, Malang. 93 hal.
- Nair, M. 2001. *Studies on Induced Maturation, Spawning and Larval Settlement in Green Mussel Perna viridis (Linnaeus, 1758)*. Thesis. Mariculture of the Central Institute of Fisheries Education. Deemed University. India. 206p.
- National Geomics Data Center. 2020. *Kappaphycus alvarezii*. <https://bigd.big.ac.cn/gwh/Genome/14/show>, diakses pada 11 Mei 2020.

- Navarra, J and Madsen. 2014. *How Can Topology , Self-Organizing Map (Som) and Geographical Information System (Gis) Enhance the Study of Asian Green Mussels (Perna viridis)?*. Hawaii University International Conferences.1-13p.
- Nocchi, N., Soares, A.R., Souto, M.L., Fernandez, J.J., Martin, M.N., Pereira, R.C. 2017. Detection of a Chemical Cue from the host Seaweed *Laurencia dendroidea* by the Associated Mollusc *Aplysia brasiliana*. *PLoS ONE*, **12**(11): 1-15.
- Noor, N.M. 2014. Prospek Pengembangan Usaha Budidaya Kerang Hijau (*Perna viridis*) di Pulau Pasaran, Bandar Lampung. *Aquasains Jurnal Ilmu Perikanan dan Sumberdaya Perairan*, **3**(2): 239-246.
- Ogawa, A and Curran, D.P. 1997. Benzotrifluoride: A Useful Alternative Solvent for Organic Reactions Currently Conducted in Dichloromethane and Related Solvents. *J. Org. Chem*, **3263**(14): 450-451.
- Parenrengi, A dan Sulaeman. 2007. Mengenal Rumput Laut, *Kappaphycus alvarezii*. *Media Akuakultur*, **2**(1): 142-146.
- Rajagopal, S., Venugopalan, V.P., Nair, K.V.K., van der Velde G., Jenner H.A., Den Hartog, C. 1998. Reproduction, Growth Rate and Culture Potential of the Green Mussel, *P. viridis* (L.) in Edaiyur Backwaters, East Coast of India. *Aquaculture*, **162**: 187-202.
- Salim, Z dan Ernawati. 2013. Info Komoditi Rumput Laut. Badan Pengkajian dan Pengembangan Kebijakan Perdagangan. Kementerian Perdagangan Republik Indonesia bekerja sama dengan Al Mawardi Prima Anggota IKAPI DKI Jaya. Jakarta. 107 hal
- Sangi, M., Runtuwene, M.R.J., Simbala, H.E.I., Makang, V.M.A. 2008. Analisis Fitokimia Tumbuhan Obat di Kabupaten Minahasa Utara. *Chem.Prog*, **1**(1): 47-53.
- Sanjayasari, D and Jeffs, A. 2019. Optimising Environmental Conditions for Nursery Culture of Juvenile Greenshell Mussels (*Perna canaliculus*). *Aquaculture*, **512**: 1-10.
- Sayuti, M. 2017. Pengaruh Perbedaan Metode Ekstraksi, Bagian dan Jenis Pelarut terhadap Rendemen dan Aktifitas Antioksidan Bambu Laut (*Isis Hippuris*). *Technology Science and Engineering Journal*, **1**(3): 166-174.
- Setyobudiandi, I., Soekendarsi, E., Juariah, U., Bahtiar., Hari, H. 2009. Rumput Laut Indonesia Jenis dan Upaya Pemanfaatannya. Unhalu Press. Kendari. 63 hal.

- Shungu, D., Valiant, M., Tutlane, V., Weinberg, E., Weissberger, B., Koupal, L., Gadebusch, H and Stapley E. 1983. Gelrite as an Agar Substitute in Bacteriological Media. *Appl Environ Microbiol*, **46**(4): 840–845.
- Siddall. 1980. A Clarification of The Genus *Perna* (Mytilidae). *Bulletin of Marine Science*, **30**(4): 858–870.
- Soares, A.R., Da Gama, B.A.P., Da Cunha, A.P., Teixeira, V.L., Pereira, R.C. 2008. Induction of Attachment of the Mussel *Perna perna* by Natural Products from Brown Seaweed *Styopodium zonale*. *Marine Biotechnology*, **10**: 158-165.
- Sulvina., Noor, N.M., Wijayanti, H., Hudaidah, S. 2015. Pengaruh Perbedaan Jenis Tali terhadap Tingkat Penempelan Benih Kerang Hijau (*Perna viridis*). *e-JRTBP*, **4**(1): 471-478.
- Sumayya and Murugan, K. 2018. Fractionation of Purified Terpenoids from Red Algae *Hypnea musciformis* (Wulfen) J.V. Lamouroux. and *Kappaphycus alvarezii* (Doty) Doty Ex P.C.Silva. By Gc: Ms Analysis. *Journal of Pharmacognosy and Phytochemistry*, **7**(3): 636-640.
- Suryaningrum, T.D., Wikanta, T., Kristiana, H. 2006. Uji Aktivitas Senyawa Antioksidan dari Rumput Laut *Halymenia harveyana* dan *Eucheuma cottonii*. *Jurnal Pascapanen dan Bioteknologi Kelautan dan Perikanan*, **1**(1): 51-64.
- Sutarno. 2014. *Biodiversitas Indonesia; Penurunan dan Upaya Pengelolaan untuk Menjamin Kemandirian Bangsa*. Seminar Nasional Masyarakat Biodiversitas Indonesia. Kampus UI. Depok. 1–39 hal.
- Sutisna, A. 2018. Penentuan Angka *Dissolved Oxygen* (DO) pada Air Sumur Warga Sekitar Industri CV. Bumi Waras Bandar Lampung. *Jurnal Analis Farmasi*, **3**(4): 246-251.
- Tim Perikanan WWF Indonesia. 2015. *Budidaya kerang hijau*. WWF-Indonesia. Jakarta. 41 hal.
- Veramendi, J., Villafranca, M.J., Sota, V and Mingo, C.AM. 1997. Gelrite as an Alternative to Agar for Micropropagation and Microtuberization of *Solanum tuberosum* L. cv. Baraka. *In Vitro Cell Dev Biol Plant*, **33**(3): 195–199.
- Weber-van Bosse, A. 1921. Liste Des Algas Du Siboga. II. Rhodophyceae Premire Partie. *Siboga-Expeditie Monogr.* **59**, 187-310.
- Wirasatriya, A., Widowati, I., Hartati, R. 2004. Pengaruh Diameter Tali Polyethilen sebagai Kolektor terhadap Jumlah dan Ketahanan Penempelan Spat Tiram Mutiara (*Pinctada maxima*), *Ilmu Kelautan*, **9**(2): 90-95.

- Wulandari, D. 2017. *Aktivitas Kandungan Senyawa Pada Ekstrak Rumput Laut Eucheuma Cottonii Sebagai Kandidat Antioksidan Untuk Menangkal Efek Radikal Bebas Di Perairan*. Tesis. Universitas Brawijaya. Malang.
- Yang, J.L., Satuito, C.G., Bao, W.Y., Kitamura, H. 2007. Larva Settlement and Metamorphosis of the Mussel *Mystus galloprovincialis* on Different Macroalga. *Mar Biol*, **152**: 1121-1132.
- Yanuarti, R., Anwar, E., Hidayat, T. 2017. Profil Fenolik dan Aktivitas Antioksidan dari Ekstrak Rumput Laut *Turbinaria conoides* dan *Eucheuma cottonii*. *JPHPI (Jurnal Pengolahan Hasil Perikanan Indonesia)*, **20**(2): 230-237.
- Yap, C.K., Eugene, Ng.Y.J., Thomas, F.B.E., Cheng, W.H., Ong, G.H. 2016. The Use of Foot of Green-Lipped Mussel is *Perna viridis* as an Alternative Method to Reduce the Gender Effect on the Bioaccumulation of Cu and Zn in the Mussel. *Annals of Limnology and Oceanography*, **1**(1): 22-25.
- Yonvitner, Y. 2009. Laju Pertumbuhan dan Penempelan Kerang Hijau (*Perna viridis*, Linn, 1789), *Jurnal Biologi Edukasi*, **1**(2): 44-46.

