

## DAFTAR PUSTAKA

- Alberto, F., Santos, R., and Leitao, J.M. 1999. Assessing patterns of geographic dispersal of *Gelidium sesquipedale* (Rhodophyta) through RAPD differentiation of populations. *Marine Ecology Progress Series*, 191, pp.101-108. <https://doi.org/10.3354/meps191101>
- Algaebase. 2023. [https://www.algaebase.org/search/species/detail/?species\\_id=12](https://www.algaebase.org/search/species/detail/?species_id=12)
- Anggraeni, S.R., Sudarsono, dan Soedharma, D. 2006. Karakterisasi genetika rumput laut *Eucheuma* spp. dari tiga daerah di Indonesia ( Kepulauan Seribu, Keruak dan Sumenep). *Bionatura*, 10, pp.196-208
- Astarini, I.A., Ardiana, S.A., Putra, I.N.G., Pertiwi, P.D., Sembiring, A., Yusmalinda, A., and Al Malik, D. 2021. Genetic diversity and phylogenetic of longtail Tuna (*Thunnus tonggol*) landed in Pabean Fish Market, Surabaya. *Musamus Fisheries and Marine Journal*, 3(2), pp.107-115. <https://doi.org/10.35724/mfmj.v3i2.3375>
- Annisa, A. 2020. Potensi DNA barcode berbasis DNA kloroplas (cpDNA) untuk identifikasi variasi genetik *Opuntis* sp. *Jurnal Syntax Admiration*, 5(3), pp.248-253
- Aulia, S.L., Suwignyo, R.A., dan Hasmeda, M. 2021. Optimasi suhu annealing untuk amplifikasi DNA padi hasil persilangan varietas tahan terendam dengan metode *Polymerase Chain Reaction*. *Sainmatika: Jurnal Ilmiah Matematika dan Ilmu Pengetahuan Alam*, 18(1), pp.44-54. <https://doi.org/10.31851/sainmatika.v17i3.5805>
- Boumediene, H.K. and Lotfi, B.T. 2019. First record of invasive green algae *Caulerpa racemosa* var. *cylindracea* in Oran Bay (Western Alegria). *Indian Journal of Geo-Marine Sciences*, 48(3), pp.335-342
- Darmawan, M., Zamani, N.P., Irianto, H.E., and Madduppa, H. 2021. Molecular characterizati on of *Caulerpa racemosa* (Caulerpales, Chlorophyta) from Indonesia based on the plastid *tufA* Gene. *Squalen Bulletin of Marine and Fisheries Postharvest and Biotechnology*, 16(3), pp.101-109. <https://doi.org/10.15578/SQUALEN.588>
- Dewi, D.P., Gerung, G.S., Ginting, E.L., Sondak, C.F., Rumampuk, N.D., dan Mantiri, D.M. 2018. Amplifikasi DNA alga merah (rhodophyta) *Eucheuma* sp. *Jurnal Pesisir dan Laut Tropis*, 2(1). pp.26-30
- Estrada, J.L., Bautista, N.S., and Dionisio-Sese, M.L. 2020. Morphological variation of two common sea grapes (*Caulerpa lentillifera* and *Caulerpa racemosa*) from selected regions in the Philippines. *Biodiversitas*, 21(5), pp.1823-1832. <https://doi.org/10.13057/biodiv/d210508>

- Excoffier, L. and Lischer, H.E.L. 2010. Arlequin suite ver 3.5: A new series of programs to perform population genetics analyses under Linux and Windows. *Molecular Ecology Resources*, 10(3), pp.564-567. <https://doi.org/10.1111/j.1755-0998.2010.02847.x>
- Fort, A., Linderhof, C., Coca-Tagarro, I., Inaba, M., McHale, M., Casella, K., Potin, P., Guiry, M. D., and Sulpice, R. 2021. A sequencing-free assay for foliose Ulva species identification, hybrid detection and bulk biomass characterisation. *Algal Research*, 55, pp.1-8. <https://doi.org/10.1016/j.algal.2021.102280>
- Fu, Y.X. 1997. Statistical tests of neutrality of mutations against population growth, hitchhiking and background selection. *Genetics*, 147(2), pp.915-925. <https://doi.org/10.1093/genetics/147.2.915>
- Hao, H., Fu, M., Yan, R., He, B., Li, M., Liu, Q., Cai, Y., Zhang, X., and Huang, R. 2019. Chemical composition and immunostimulatory properties of green alga *Caulerpa racemosa* var peltata. *Food and Agricultural Immunology*, 30(1), pp.937-954. <https://doi.org/10.1080/09540105.2019.1646216>
- Hendiari, I.G.A.D., Sartimbul, A., Arthana, I.W., dan Kartika, G.R.A. 2020. Keragaman genetik ikan lemuru (*Sardinella lemuru*) di wilayah perairan Indonesia. *Acta Aquatica: Aquatic Sciences Journal*, 7(1), pp.28-36. <https://doi.org/10.29103/aa.v7i1.2405>
- Hofstetter, V., Buyck, B., Eyssartier, G., Schnee, S., and Gindro, K. 2019. The unbearable lightness of sequenced-based identification. In *Fungal Diversity*, 96(1), pp.243-284. <https://doi.org/10.1007/s13225-019-00428-3>
- Karthick, P., Murthy, K.N., Ramesh, C., Narayana, S., and Mohanraju, R. 2020. Molecular authentication of green algae Caulerpa (Caulerpales, Chlorophyta) based on ITS and *tufA* genes from Andaman Islands, India. *Indian Journal of Experimental Biology*, 58, pp.109-114
- Kusuma, A.B., Bengen, D.G., Madduppa, H., Subhan, B., dan Arafat, D. 2016. Kenakaragaman genetik karang lunak *Sarcophyton trocheliophorum* pada populasi Laut Jawa, Nusa Tenggara dan Sulawesi. *Jurnal Enggano*, 1(1), pp.89-96. <https://doi.org/10.31186/jenggano.1.1.89-96>
- Lestari, D.A., Azrianingsih, R., dan Hendrian, H. 2018. Filogenetik jenis-jenis Annonaceae dari Jawa Timur koleksi Kebun Raya Purwodadi berdasarkan coding dan non-coding sekuen DNA. *Journal of Tropical Biodiversity and Biotechnology*, 3(1), pp.1-7. <https://doi.org/10.22146/jtbb.28308>
- Liu, F. and Pang, S. 2016. Chloroplast genome of *Sargassum horneri* (Sargassaceae, Phaeophyceae): comparative chloroplast genomics of brown algae. *Journal of Applied Phycology*, 28(2), pp.1419-1426. <https://doi.org/10.1007/s10811-015-0609-2>

- Mustofa, A. 2019. Sebaran kandungan oksigen terlarut perairan pantai sebagai daya dukung usaha tambak di Kabupaten Jepara. *10*(2), pp.95-100
- Nabilla, S., Hartati, R., dan Tri Nuraini, R.A. 2019. Hubungan nutrien pada sedimen dan penutupan lamun di Perairan Jepara. *Jurnal Kelautan Tropis*, 22(1), pp.42-48. <https://doi.org/10.14710/jkt.v22i1.4252>
- Nikmah, I.A., Azrianingsih, R., dan Wahyudi, D. 2016. Genetic variability of porang populations (*Amorphophallus muelleri*) in West Java and Central Java based on abn trn L intron sequences. *The Journal of Tropical Life Science*, 6(1), pp.23-27
- Ningrum, A.M. dan Chasani, A.R. 2021. Numerical phenetic and phylogenetic relationships in silico among brown seaweeds (Phaeophyceae) from Gunungkidul, Yogyakarta, Indonesia. *Biodiversitas*, 22(6), pp.3057-3064. <https://doi.org/10.13057/biodiv/d220607>
- Nomleni, A.G.T. 2021. Keragaman genetik bulu babi *Tripneutes gratilla* (Linnaeus 1758) di Perairan Pantai Desa Lambakara, Sumba Timur, Nusa Tenggara Timur (NTT). *Frontiers in Neuroscience*, 14(1), pp.1-13
- Nurjanah, Jacoeb, A.M., Hidayat, T., dan Chrystiawan, R. 2018. Perubahan komponen serat rumput laut *Caulerpa* sp. dari Tual Maluku akibat proses perebusan. *Jurnal Ilmu Dan Teknologi Kelautan Tropis*, 10(1), pp.35-48. <https://doi.org/10.29244/jitkt.v10i1.21545>
- Nurnaningsih, W.K. 2023. Analisis populasi ikan bawal hitam (*Parastromateus niger* Bloch, 1795) berdasarkan keragaman dan jarak genetik di WPPNRI 718. *Bawal*, 14(3), pp.149-159
- Nurtjahjaningsih, I., Widyatmoko, A., dan Rimbawanto. 2019. Keragaman genetik populasi kayu kuku (*Pericopsis mooniana*, (Thawaite) Thawaite) di hutan Lamedai berdasarkan penanda RAPD. *Jurnal Pemuliaan Tanaman Hutan* , 13(1), pp.25-32
- Paopun, Y., Thanomchat, P., Roopkham, C., Umroong, P., Pan-utai, W., Satmalee, P., Kosawatpat, P., Thongdang, B., and Tamtin, M. 2023. Structural development of marine green alga (*Ulva rigida* C. Agardh , 1823 ) during cultivation. 20(8), pp.1-10
- Rulita, L., Malik, A., Amandito, R., dan Rohsiswatmo, R. 2021. Optimasi perolehan DNA mikrobioma yang Dekstraksi dari Mekonium dan Feses Neonatus Prematur untuk diaplikasikan pada *next-gen sequencing* 16S rRNA. *Jurnal Ilmu Kefarmasian Indonesia*, 19(2), pp.174-180. <https://doi.org/10.35814/jifi.v19i2.1112>
- Sa'adah, N. dan Widyaningsih, S. 2018. Pengaruh pemberian CO<sub>2</sub> terhadap pH air pada pertumbuhan *Caulerpa racemosa* var. *uvifera*. *Jurnal Kelautan Tropis*, 21(1), pp.17-22. <https://doi.org/10.14710/jkt.v21i1.2460>

- Saleky, D. dan Dailami, M. 2021. Konservasi genetik ikan Kakap Putih (*Lates calcarifer*, Bloch, 1790) melalui pendekatan DNA barcoding dan analisis filogenetik di Sungai Kumbe Merauke Papua. *Jurnal Kelautan Tropis*, 24(2), pp.141-150. <https://doi.org/10.14710/jkt.v24i2.10760>
- Sari, V.M. dan Sobir, D. 2017. Keragaman genetik bawang merah (*Allium cepa* L.) berdasarkan marka morfologi dan ISSR. *Jurnal Agronomi Indonesia (Indonesian Journal of Agronomy)*, 45(2), pp.175-181. <https://doi.org/10.24831/jai.v45i2.11665>
- Sauvage, T., Payri, C., Draisma, S.G.A., Prud'homme Van Reine, W.F., Verbruggen, H., Belton, G.S., Frederico, C., Gurgel, D., Gabriel, D., Sherwood, A.R., and Fredericq, S. 2013. Molecular diversity of the *Caulerpa racemosa* - *Caulerpa peltata* complex (Caulerpaceae, Bryopsidales) in New Caledonia, with new Australasian records for *C. racemosa* var. *cylindracea*. *Phycologia*, 52(2), pp.6-13. <https://doi.org/10.2216/0031-8884-52.2.222>
- Sharma, S., Sutar, R.R., Parida, A., and Bast, F. 2020. DNA Barcoding and ITS-tufA multi-local molecular phylogeny of nitrophilic alga *Prasiola crispa* growing on penguin guano at Larsemann Hills, Eastern Antarctica. *Czech Polar Reports*, 11(2), pp.194-202. <https://doi.org/10.5817/CPR2021-2-13>
- Siaka, I.M., Suastuti, I.G.A.M.D.A., dan Mahendra, I.P.B. 2016. Distribusi logam berat Pb dan Cu pada air laut, sedimen, dan rumput laut di perairan Pantai Pandawa. *Jurnal Kimia*. pp.190-196. <https://doi.org/10.24843/jchem.2016.v10.i02.p04>
- Sundari, S. dan Deni I. 2017. Amplifikasi teknik random amplified polymorphism DNA (PCR-RAPD) sebagai penanda genetik pada ikan betutu (*Oxyeleotris marmorata*). *Buletin Teknik Litkayasa Akuakultur*, 15(1), pp.1-5.
- Supriyadi, I.H., Cappenberg, H.A.W., Souhoka, J., Makatipu, C., and Hafizt, M. 2017. Condition of the coral, seagrass and mangrove at the natural sanctuary in the Waters of Raja Ampat Regency West Papua Province. *RAP Bulletin of Biological Assesment*, 23, pp.241-252. <http://ejurnal-balitbang.kkp.go.id/index.php/jppi>
- Syamsul, M., Zein, A., Fitriana, Y.S., Kurniawan, Y., Chaerani, K., Sirupang, M., Brandt, K., Selatan, B.B., Way, N., dan Namun, K. 2019. Kajian Genetika untuk Konservasi Badak Sumatera . 15(1), pp.75-87.
- Tajima, F. 1989. Statistical Method for Testing the Neutral Mutation Hypothesis by DNA Polymorphism. 595(3), pp.585-595.
- Triandiza, T., Agus K., Novita S., Rosmi N.P., Ahmad A., dan Suparmo, S.S. 2020. Keragaman genetik kima kecil (*Tridacna maxima*) di Pulau Kur, Pulau Biak dan Manado serta implikasinya untuk konservasi. *Jurnal Penelitian Perikanan Indonesia*, pp.167-179.

Wei, X.P. and Zhang, X.C. 2022. Phylogeography of the widespread fern *Lemmaphyllum* in East Asia: species differentiation and population dynamics in response to change in climate and geography. *Journal of Systematics and Evolution*, 60(2), pp.411-432. <https://doi.org/10.1111/jse.12718>

Wernberg, T., Coleman, M.A., Bennett, S., Thomsen, M.S., Tuya, F., and Kelaher, B.P. 2018. Genetic diversity and kelp forest vulnerability to climatic stress. *Scientific Reports*, 8(1), pp.1-8. <https://doi.org/10.1038/s41598-018-20009-9>

Yudasmara, G.A. 2015. Budidaya anggur laut (*Caulerpa racemosa*) melalui media tanam rigid quadrant nets Bbrbahan Bbmbu. *JST (Jurnal Sains Dan Teknologi)*, 3(2), pp.468-473.<https://doi.org/10.23887/jst-undiksha.v3i2.4481>

Zhao, F., Wang, X., Liu, J., and Duan, D. 2007. Population genetic structure of *Sargassum thunbergii* (Fucales, Phaeophyta) detected by RAPD and ISSR markers. *Journal of Applied Phycology*, 19(5), pp.409-416. <https://doi.org/10.1007/s10811-006-9147-2>

Zuldin, W.H., Shapawi, R., Shaleh, S.R.M., Kadar, N.A., and Lal, T.M. 2019. First occurrence of caulerpa macrodisca (caulerpaceae, chlorophyta) in Malaysia based on the molecular and morphological evidence. *Malaysian Journal of Science*, 38(3), pp.72-83. <https://doi.org/10.22452/mjs.vol38no3.7>