

DAFTAR PUSTAKA

- Achmad, M.J., M. Djamhur, M.A. Fabanyo & N. Akbar. 2019. Aplikasi DNA Barcoding Ikan Julung-Julung (*Hemiramphus* sp.) di Perairan Laut Maluku Utara. *Jurnal Biologi Indonesia*. 19(3): 463-473.
- Ahyong, S. T., & Yeo, D. C. J. 2007. Feral populations of the Australian Red-Claw crayfish (*Cherax quadricarinatus* von Martens) in water supply catchments of Singapore. *Biological Invasions*, 9(6), 943–946. <https://doi.org/10.1007/s10530-007-9094-0>
- Alam, M., Toaha, A. Q., Bunga, A. K., & Juhriah. 2023. Evaluasi keragaman genetik generasi pertama (F-1) *Cendana Santalum album* Linn. umur 4 tahun di Kabupaten Gowa, Sulawesi Selatan. *Jurnal Ilmu Alam dan Lingkungan*, 14(2), 51–63. <https://journal.unhas.ac.id/index.php/jai2>
- Apsari, G. R., Adawiyah, R., Linatari, M. A., Rahmahyadi, D., & Pradana, M. S. 2018. *Bioinformatika: Analisis Pensejajaran Sequence*. Pustaka Ilalang.
- Belle, C., & Yeo, D. 2010. New Observations Of The Exotic Australian Red-Claw Crayfish, *Cherax Quadricarinatus* (Von Martens, 1868) (*Crustacea: Decapoda: Parastactidae*) In Singapore.
- Belle, C. C., Wong, J. Q., & Yeo, D. C. 2011. Ornamental trade as a pathway for Australian redclaw crayfish introduction and establishment. *Aquatic Biology*, 12, 69–79.
- Briski, E., Cristescu, E., Bailey., & Maclsaac, H. 2011. Use of DNA barcoding to detect invertebrate invasive species from diapausing eggs. *Biological Invasions*.13(6), 1325-1340. <https://doi.org/10.1007/s10530-010-9892-7>
- Budi, B. S. 2019. *Pengaruh jenis substrat yang berbeda terhadap sintasan dan pertumbuhan lobster air tawar (Cherax quadricarinatus)*. Universitas Muhammadiyah Gresik.
- Chen, R.T., Tsai, C.F., & Tzeng, W. N. 2009. 16S and 28S rDNA Sequences in Phylogenetic Analyses of Freshwater Prawns (*Macrobrachium Bate*, 1868) from Taiwan". *Journal of Crustacean Biology*. 29, 400-412. <https://doi.org/10.1651/08-3069.1>
- Chan, A. H. E., Saralamba, N., Saralamba, S., Ruangsittichai, J., & Thaenkham, U. 2022. The potential use of mitochondrial ribosomal genes (12S and 16S) in DNA barcoding and phylogenetic analysis of trematodes. *BMC Genomics*, 23(1), 104. <https://doi.org/10.1186/s12864-022-08302-4>

- Dharmayanti, N. L. P. I. 2011. Filogenetika Molekular. Metode taksonomi Organisme Berdasarkan Sejarah Evolusi. *Wartazoa*. 21(1), 1-10.
- Eprilurahman, R., Simarmata, A. K., Hakim, L., & Trijoko. 2021. Morphological and molecular characters of *Cherax quadricarinatus* (von Martens, 1868) from Sermo Reservoir and Tambakboyo Retention Basin, Daerah Istimewa Yogyakarta, Indonesia. *Biogenesis*, 9(1), 18-25. <https://doi.org/10.24252/bio.v9i1.16612>
- Ernawati & Chrisbiyantoro. 2014. Teknik Pembenuhan Lobster Air Tawar Red Claw (*Cherax quadricarinatus*) di Unit Pembenuhan Budidaya Air Tawar (UPBAT) Puntan Kota Batu Jawa Timur. *Jurnal Ilmu – ilmu Perairan dan Perikanan Indonesia*. 10 (2): 76 – 83.
- Ellegren, H., & Galtier, N. 2016. Determinants of genetic diversity. *Nature Reviews Genetics*, 17(7), 422–433. 10.1038/nrg.2016.58
- Fahrudin, M., Suriyadi, A dan Murtawan, H. 2022. Pertumbuhan dan Kelangsungan Hidup Lobster Air Tawar (*Cherax Quadricarinatus*) dengan Pemberian Substrat yang Berbeda. *Jurnal Marikultur*. 4(1), 31-41.
- Frankham, R. 2005. Genetics and extinction. *Biological Conservation*, 126(2), 131-140. <https://doi.org/10.1016/j.biocon.2005.05.002>
- Fransen, C., de Grave. S., & Ng P. 2010. Studies on Malacostraca: Lipke Bijdeley Holthuis Memorial Volume. Koninklijke Brill NV. *Leiden*. 716.
- Hebert, P.D.N., S. Ratnasingham., & J.R. DeWaard. 2003a. Barcoding animal life: cytochrome c oxidase subunit 1 divergences among closely related species. *Proceedings of the Royal Society of London*. 270: 96-99.
- Hakim, R. R. 2007. “Optimalisasi Pertumbuhan Dan Sintasan Benih Lobster Air Tawar (*Cherax quadricarinatus*) dengan Penggunaan Jenis Substrat Dasar yang Berbeda”. Naskah Publikasi Pengembangan Ipteks; Penelitian Fakultas Peternakan Perikanan Universitas Muhammadiyah Malang.
- Gherardi, F. 2010. “Towards a sustainable human use of freshwater crayfish (*Crustacea, Decapoda, Astacidea*). *Knowl Managt Aquatic Ecosyst*. 401 (02).
- Handayani, D., Windarti, & Eddiwan. 2024. Morphology of *Cherax quadricarinatus* from the Katoman River, Ranah Baru Village, Kampar District, and Ali Lake, Bengkalis District, Riau Province. *Jurnal Ilmu Perairan (Aquatic Science)*, 12(2), 219–226.

- Hewitt, G. M. 2004. "Genetic consequences of climatic oscillations in the Quaternary." *Philosophic s://doi.org/10.1098/rstb.2003.1388*
- Hidayani, A. A., Fujaya, Y., Asphama, A. I., Trijuno, D. D., Tenriulo, A., & Parenrengi, A. 2015. The Morphometric Character and Mitochondrial 16S rRNA Sequence of *Portunus pelagicus*. *Aquacultura Indonesiana*, 16(1), 1–9.
- Hidayani, A.A., Y. Fujaya, D.D. Trijuno & Alimuddin. 2020. Variasi Genetik Intrapopulasi Rajungan (*Portunus pelagicus*) dari Kalimana, Papua Barat Indonesia Berdasarkan Sekuen Gen Sitokrom C Oksidase (CO1). Torani: *Journal of Fisheries and Marine Science*. 3(2): 71-83.
- Hidayani, A. A., Tasakka, A. C. M. A. R., Umar, W., Alam, M. J., Neogi, A. K., & Andriyono, S. 2022. Low Genetic Diversity Study on Leopard Coral Grouper *Plectropomus leopardus* (Perciformes: Serranidae) from Sulawesi, Indonesia. *Jurnal Ilmu dan Pengelolaan Perikanan dan Kelautan (JIPK)*, 14(2), <https://doi.org/10.20473/jipk.v14i2.32815>
- Holdich, D.M. & P.J, Sibley. 2009. ICS and NICS in Britain in the 2000s; Brickland J, Holdich D.M. and Imhoff E.M. (eds). Crayfish conservation in the British Isles. *Proceedings of a conference held on 25th March 2009 in Leeds, UK*.
- Holthuis, L. B. 1949. Decapoda Macrura with Revision of the New Guinea Parastacidae. Zoological Results of the Dutch New Guinea Expedition. *Nova Guinea. New Ser.* 5: 289—328.
- Horwitz, P. 1995. The translocation of freshwater crayfish in Australia: Potential impact, the need for control and global relevance. *Biological Conservation*, 54(3), 291–305. [https://doi.org/10.1016/0006-3207\(90\)90142-C](https://doi.org/10.1016/0006-3207(90)90142-C)
- Jamlean, Y. G., Bataragoa, N. E., & Tombokan, J. L. 2018. Penangkapan dan hubungan panjang-berat lobster air tawar *Cherax quadricarinatus* von Martens, 1868 di Danau Tondano Kecamatan Kakas, Kabupaten Minahasa, Sulawesi Utara (Catch and Length-Weight Relationship of Freshwater Lobster, *Cherax quadricarinatus* von Martens, 1868 in Tondano Lake, Kakas District, Minahasa, North Sulawesi). *Jurnal Ilmiah Platax*, 6(1), 85–95. ISSN: 2302-3589. <https://doi.org/10.35800/jip.6.1.2018.18903>
- Jayanti, D. & Mushlih, M. 2021. Analisis DNA pada Hewan: Metode dan Aplikasi. *Jurnal Biodiversitas Indonesia*, 22(3), pp.393–400.
- Jones, C. M. 1990. The biology and aquaculture potential of *Cherax quadricarinatus*. Queensland Department of Primary Industries, Australia.

- Jones, C.M., C.P. McPhee., & I.M. Ruscoe. 2000. A re view of genetic improvement in growth rate in redclaw crayfish *Cherax quadricarinatus* (Decapoda:Parastacidae). *Aquaculture Research*. 31: 61— 67.
- Karplus, I., Sagi, A., Khalaila, I., & Barki, A. 2003. The soft red patch of the Australian freshwater crayfish (*Cherax quadricarinatus* (von Martens)): a review and prospects for future research. *Journal of Zoology*, 259, 375-379. <https://doi.org/10.1017/S0952836902003369>.
- Kolondam, B. J. 2019. Evaluasi sekuens gen 16S rRNA untuk DNA barcoding ikan tuna. *Jurnal Ilmiah PLATAX*. 10:(1).
- Kurniasih, T. 2008. Lobster Air Tawar (*Parastacidae: Cherax*), Aspek Biologi, Habitat, Penyebaran dan Potensi Pengembangannya. *Media Akuakultur*. 3(1) :
- Letunic, I., & Bork, P. 2021. Interactive tree of life (iTOL) v5: An online tool for phylogenetic tree display and annotation. *Nucleic Acids Research*, 49(W1), W293–W296. <https://doi.org/10.1093/nar/gkab301>
- Miptah, S., Novita, M. Z., & Supendi, A. 2024. Pertumbuhan lobster air tawar (*Cherax quadricarinatus*) yang diberi pakan pasta berupa campuran pelet, keong, dan singkong. *Manfish: Jurnal Ilmiah Perikanan dan Peternakan*, 2(2), 166–178. <https://doi.org/10.62951/manfish.v2i2.67>
- Murphy, R. W., Fu, J., Upton, D. E., de Lema, T., & Zhao, E.-M. 2000. Genetic variability among endangered Chinese giant salamanders, *Andrias davidianus*. *Molecular Ecology*,9: 1539–1547.OI: [10.1046/j.1365-294x.2000.01036.x](https://doi.org/10.1046/j.1365-294x.2000.01036.x)
- Nugraha, R., Dewi, P. S., & Nurilmala, M. 2022. Evaluasi Primer Gen Coi Sebagai Biomarker Ketertelusuran Ikan Menggunakan Bioinformatika. *Jphpi*:25(1)
- Page, T.J., & Hughes, J. M. 2011. Neither molecular nor morphological data have all the answers; with an example from *Macrobrachium* (Decapoda: *Palaemonidae*) from Australia. *Zootaxa* 2874: 65-68.
- Parenrengi, A., Gunarto, Sulaeman, Tenriulo, A., & Herlinah. 2020. Reconfirming the species of mud crab genus *Scylla* (de Haan, 1833) in Balikpapan, East Kalimantan Province, Indonesia based on mitochondrial 16S rRNA. *Indonesian Aquaculture Journal*, 15(1), 7-14. <http://dx.doi.org/10.15578/iaj.15.1.2020.7-14>
- Patoka J., Bláha, M. & Kouba, A. 2015. *Cherax* (*Astaconephrops*) *gherardii*, a new crayfish (Decapoda: *Parastacidae*) from West Papua, Indonesia. *Zootaxa*, 3964: 526-536.

- Patoka, J., Wardiatno, Y., Mashar, A., Yonvitner, Y., Wowor, D., Jerikho, R., Takdir, M., Purnamasari, L., Petrtyl, M., Kalous, L., Kouba, A., & Bláha, M. 2018. Redclaw crayfish, *Cherax quadricarinatus* (von Martens, 1868), widespread throughout Indonesia. *BioInvasions Records*, 7(2), 185–189. <https://doi.org/10.3391/bir.2018.7.2.11>
- Patoka, J., Y. Wardiatno., Yonvitner., P. Kurikova., M. Petrtyl., & L., Kalous. 2016. *Cherax quadricarinatus* (von Martens) Has Invaded Indonesian Territory West of The Wallace Line: Evidences From Java. *Knowledge and Management of Aquatic Ecosystems*, 417 (39): 1–6.
- Rocha, R. P., & Dinis, M. A. P. 2017. Broodstock Systems. *Marine Ornamental Species Aquaculture*, 81–99. <https://doi.org/10.1002/9781119169147.ch6>
- Saoud, I. P., Ghanawi, J., Thompson, K. R., & Webster, C. D. 2013. A review of the culture and diseases of redclaw crayfish *Cherax quadricarinatus* (von Martens 1868). *Journal of the World Aquaculture Society*, 44(1), 1–29. <https://doi.org/10.1111/jwas.12011>
- Sharma, C., Krishna, G., Kumar, A. P., & Nayak, S. K. 2014. Phylogeny of *Macrobrachium* species using mitochondrial rRNA ribosomal DNA. *Cell Tissue Res.* 14(3): 4525- 4529.
- Shih, H. T., Peter, K. L. N., and Chang, H. W. 2004. Systematics of the genus *Geothelphusa* (*Crustacea*, *Decapoda*, *Brachyura*, *Potamidae*) from Southern Taiwan: A molecular appraisal. *Zoological studies*, 43(3): 561-570
- Sidharta, V., Pinandoyo, & Nugroho, R. A. 2018. Performa kematangan gonad, fekunditas, dan derajat penetasan melalui strategi pemberian pakan alami yang berbeda pada calon induk lobster air tawar (*Cherax quadricarinatus*). *Jurnal Sains Akuakultur Tropis*, 2(2), 64-74.
- Subari, A., Razak, A., & 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. <https://doi.org/10.29303/jbt.v21i1.2351>
- Tamura, K., Stecher, G., & Kumar, S. 2021. MEGA11: Molecular Evolutionary Genetics Analysis version 11. *Molecular Biology and Evolution*, 38(7), 3022-3027
- Trivedi, S., Aloufi, A. A., Ansari, A. A., & Ghosh, S.K. 2016. Review: Role of DNA *barcoding* in marine biodiversity assessment and conservation: An update. *Saudi Journal of Biological Sciences*. 23: 161-171.

- Vences, M., Thomas, M., Van Der Meijden, A., Chiari, Y., & Vieites, D. R. (2005). Comparative performance of the 16S rRNA gene in DNA barcoding of amphibians. *Frontiers in Zoology*, 2(1), 5. <https://doi.org/10.1186/1742-9994-2-5>
- Von Martens, E. 1868. Über eine neue Art und Untergattung der Cyprinoiden, Homaloptera (*Octonema*) rotundicauda, über einige neue Crustaceen und über die neuholländischen Süßwasserkrebse. Monatsberichte der Königlichen Akademie der Wissenschaften zu Berlin, Physikalisch-mathematische Klasse, 1868, 607–619.
- Virgilio, M., K. Jordaens., F. Breman., B. Norman., T. Backeljau., & M. Demeyer. 2012. Turning DNA Barcodes into an Alternative Tool for Identification: African Fruit Flies and Weight Matrix Choice. *Nucleid Acid Res.* 22(1): 4673-4680.
- Widigdo, B., Hakim, A., Mashar, A., Sari, I., & Wardiatno, Y. 2020. Comparison of Morphological Characters of Freshwater Crayfish (*Cherax quadricarinatus*) from Different Ecosystems in Indonesia. *Jurnal Biologi Tropis*. <https://doi.org/10.29303/jbt.v20i3.2310>.
- Yang, L., Tan, Z., Wang, D., Xue, L., Guan, M., Huang, T., & Li, R. 2013. Species identification through mitochondrial rRNA genetic analysis. *Scientific Reports*, 4, 1–11. <https://doi.org/10.1038/srep00411>
- Zheng, X., Liao, X., Zhang, M., Mao, J., Chen, Y., Lan, S., Yin, Z., Yu, F., Vasquez, H. E., & Gu, Z. 2023. The effect of aquarium color background on the survival, growth performance, body coloration, and enzymatic activity of laboratory-cultured *Cherax quadricarinatus* juveniles. *Aquaculture Reports*, 32, 101699. <https://doi.org/10.1016/j.aqrep.2023.101699>