

## DAFTAR PUSTAKA

- Akbar, N., N.P. Zamani., & H.H. Madduppa. 2014. Keragaman genetik ikan tuna sirip kuning (*Thunnus albacares*) dari dua populasi di Laut Maluku, Indonesia. *DEPIK Jurnal Ilmu-Ilmu Perairan, Pesisir dan Perikanan*, 3(1).
- Ambak, M. A., A.A. Bolong., P. Ismail., & B.M. Tam. 2006. Genetic variation of Snakehead Fish (*Channa striata*) Populations Using Random Amplified Polymorphic DNA. *Biotechnology*, 1: 104–110.
- Arisuryanti, T., B.U. Nikmah., T. Kasayev., & L. Hakim. 2020a. Determination of species boundaries of Selais fish from Arut River, Central Kalimantan based on 16S mitochondrial gene using Bayesian approach. In *BIO Web of Conferences* (Vol. 28). EDP Sciences.
- Arisuryanti, T., P. Agiestina., I. Fajar., & N.U.N. Firdaus. 2020b. 16S mitochondrial sequence characterization of striped snakehead (*Channa striata* Bloch, 1793) from Ogan River, South Sumatra. In *AIP Conference Proceedings* (Vol. 2260, No. 1, p. 020002). AIP Publishing LLC.
- Arisuryanti, T., Y. Rumahorbo., Y.A. Rha'ifa., & L. Hakim. 2020c. Detection of 16S mitochondrial sequence polymorphism and haplotype network of *Ophiocara porocephala* (Valenciennes, 1837) from Tekolok Estuary (NTB, Indonesia) using DnaSP and NETWORK. *BIO Web of Conferences* 28, 01002.
- Avise, J.C. 1994. *Molecular Markers, Natural History, and Evolution*. New York: Chapman and Hall.
- Bergman, N.H, editor. 2007. *Comparative Genomics: Volumes 1 and 2*. Totowa (NJ): Humana Press. PMID: 21250292. <https://www.ncbi.nlm.nih.gov/books/NBK1734/>.
- Bhat, A.A., M.A. Haniffa., M.J. Milton., B.A. Paray., P.R. Divya., & A. Gopalakrishnan. 2014. Genetic Variation of Striped Snakehead (*Channa striatus* Bloch, 1793) Populations Using Random Amplified Polymorphic DNA (RAPD) Markers. *International Journal of Biodiversity and Conservation* 6 (5): 363-372.
- Boonkusol, D. & W. Tongbai. 2016. Genetic Variation of Striped Snakehead Fish (*Channa striata*) in River Basin of Central Thailand Inferred from mtDNA COI Gene Sequences Analysis. *Journal of Biological Sciences*, 16(1-2), 37-43.
- Cawthorn, D.M., H.A. Steinman., & R.C. Witthuhn. 2012. Evaluation of the 16S and 12S rRNA genes as universal markers for the identification of commercial fish species in South Africa. *Gene*, 491(1), 40-48.
- Chandra, S. & T.K. Banerjee. 2004. Histopathological Analysis of the Respiratory Organs of *Channa striata* Subjected to Air Exposure. *Veterinarski Arhiv*, 74(1): 37-52.
- Courtenay, W.R., & J.D. Williams. 2004. *Snakeheads (Pisces, Channidae) - A Biological Synopsis and Risk Assessment*. U.S Geological Survey Circular 1251. Florida.
- de Vicente, M.C., F.A. Guzmán., J. Engels., & V.A. Rao. 2006. Genetic characterization and its use in decision-making for the conservation of crop germplasm. *The role of biotechnology in exploring and protecting agricultural genetic resources*, 129.

- Deng, Y., T. Liu., Y. Xie., Y. Wei., Z. Xie., Y. Shi., & X. Deng. 2020. High Genetic Diversity and Low Differentiation in *Michelia shiluensis*, an Endangered Magnolia Species in South China. *Forests*, 11(4), 469.
- Dewi, Y.N. & F.A. Sariasih. 2019. Metode Sample Bootstrapping untuk Meningkatkan Performa Algoritma Naive Bayes pada Citra Tunggal Pap Smear. *Jurnal Teknik Informatika*, 12(1), pp.1-10.
- Dharmayanti, N.L.P.I. 2011. Filogenetika Molekular: Metode Taksonomi Organisme Berdasarkan Sejarah Evolusi. *Wartazoa*, 21(1): 1-10.
- Forster, P. & M. Forster. 2020. *Free Phylogenetic Network Software. Version 10.2.0.0.* <https://www.fluxus-engineering.com/>.
- Hasibuan, F. E. B., F.R. Mantiri., & R.R. Rumende. 2017. Kajian Variasi Sekunes Intraspecies dan Filogenetik Monyet Hitam Sulawesi (*Macaca nigra*) dengan Menggunakan Gen COI. *Jurnal Ilmiah Sains*, 17(1), 59-67.
- Hebert P.D., A. Cywinska., S.L. Ball., & J.R. deWaard. 2003. Biological identifications through DNA Barcodes. *The Royal Society*, 270: 313-321.
- Hoelzel, A. R. 1993. Evolution by DNA turnover in the control region of vertebrate mitochondrial DNA. *Current opinion in genetics & development*, 3(6), 891-895.
- Hossain, M.K., G.A. Latifa., & M.M. Rahman. 2008. Observations on Induced Breeding of Snakehead Murrel, *Channa striatus* (Bloch, 1793). *Int. J. Sustain. Crop Prod.*, 3: 65-68.
- Ilmi, W. & T. Arisuryanti. 2018. Composition of Mitochondrial DNA 16S Nucleotide of Dwarf Snakehead (*Channa gachua* Hamilton, 1822) from Keji River, Magelang, Central Java. *J. Trop. Biodiv. Biotech*, 3(2018), 57-61.
- Indrawan, M., R. B. Primack., & J. Supriatna. 2007. *Biologi Konservasi*. Jakarta: Yayasan Obor Indonesia. hal. 25.
- Irawan, M.I. & S. Amiroch. 2015. Construction of Phylogenetic Tree Using Neighbor Joining Algorithms to Identify the Host and the Spreading of SARS Epidemic. *Journal of Theoretical and Applied Information Technology*, 71(3).
- Jatmiko, I., F. Rochman., & M. Agustina. 2018. Variasi Genetik Madidihang (*Thunnus albacares*; Bonnatere, 1788) dengan Analisis Mikrosatelit di Perairan Indonesia. *Jurnal Penelitian Perikanan Indonesia*, 24(3) : 157-164.
- Koh, Y.H., E. Popova., U. Thomas., L.C. Griffith., & V.Budnik. 1999. Regulation of DLG localization at synapses by CaMKII-dependent phosphorylation. *Cell*. 98(3), 353-363.
- Kombong, C.B.S. & T. Arisuryanti. 2018. Komposisi Nukleotida Sekuen Gen Mitokondria 16S dan COI Ikan Gabus (*Channa striata* Bloch, 1793) dari Danau Sentani, Jayapura, Papua. *Jurnal Perikanan Universitas Gadjah Mada*, 20(2): 57-62.
- Kottelat, M. 2013. The fishes of the inland waters of Southeast Asia: A catalogue and core bibliography of the fishes known to occur in freshwaters, mangroves and estuaries. *The Raffles Bulletin of Zoology*, Supplement No. 27, 1-663.
- Kühlbrandt, W. 2015. Structure and function of mitochondrial membrane protein complexes. *BMC biology*, 13(1), pp.1-11.
- Kumar, S., G. Stecher., M. Li., C. Knyaz., & K. Tamura. 2018. MEGA X: Molecular Evolutionary Genetics Analysis Across Computing Platforms. *Molecular Biology and Evolution*, 35: 1547-1549.

- Lamb, T. & M.F. Osentoski. 1995. Intraspecific Phylogeography of the Gopher Tortoise, *Gopher polyphemus*: RFLP Analysis of Amplified mtDNA Segments. *Molecular Ecology*, 4: 709-718.
- Lante, S., A. Tenriulo., A. Parenrengi., R. Rachmansyah., & A.C. Malina. 2011. Keragaman Genetik Populasi Ikan Beronang (*Siganus guttatus*) di Selat Makassar dan Teluk Bone Menggunakan Metode Random Amplified Polymorphic DNA (RAPD). *Jurnal Riset Akuakultur*, 6(2), 211-224.
- Lasabuda, R. 2013. Pembangunan wilayah pesisir dan lautan dalam perspektif Negara Kepulauan Republik Indonesia. *Jurnal Ilmiah Platax*, 1(2), 92-101.
- Leary R.F., F.W. Allendorf., & K.L. Knudsen. 1985. Development instability and high meristic counts in interspecific hybrid of salmonid fishes. *Evolution*, 3: 1318-1326.
- Lemey, P., M. Salemi., & A.M. Vandamme. 2009. *The phylogenetic handbook: practical approach to phylogenetic analysis and hypothesis testing*. 2<sup>nd</sup> edition. Cambridge University Press. p. 23-26.
- Listyanto, N., & S. Andriyanto. 2009. Ikan Gabus (*Channa striata*) Manfaat Pengembangan dan Alternatif Teknik Budidayanya. *Media Akuakultur*, 4(1): 18-25.
- Maddison, W.P. & D.R. Maddison. 2018. *Mesquite: a modular system for evolutionary analysis*. Version 3.5. <https://www.mesquiteproject.org/>.
- McCarron, J.G., C. Wilson., M.E. Sandison., M.L. Olson., J.M. Girkin., C. Saunter., & S. Chalmers. 2013. From structure to function: mitochondrial morphology, motion and shaping in vascular smooth muscle. *Journal of vascular research*, 50(5), pp.357-371.
- Michelle, N.Y.T., G. Shanti., & M.Y. Loqman. 2004. Effect of Orally Administered *Channa striatus* Extract Against Experimentally-Induced Osteoarthritis in Rabbits. *Int. J. Applied Res. Vet. Med*, 2: 171-175.
- Muflikhah, N. 2007. Domestikasi Ikan Gabus (*Channa striata*). Prosiding Seminar Nasional Tahunan IV Hasil Penelitian Perikanan dan Kelautan. Jurusan Perikanan dan Kelautan Universitas Gadjah Mada. hal. 1-10.
- Muzzazinah. 2017. Metode Filogenetik pada Indigofera. *Prosiding Seminar Nasional Pendidikan Biologi dan Biologi*, 25-40.
- Nei, M. 1972. Genetic Distance between Populations. *American Naturalist*, 106 : 283-292.
- Nugraha, B., D. Novianto., & A. Barata. 2017. Keragaman genetik ikan tuna mata besar (*Thunnus obesus*) di Samudera Hindia. *Jurnal Penelitian Perikanan Indonesia*, 17(4), 277-284.
- Nurani, I. D., C.M. Airin., P. Astuti., K. Putri., & B. Sutrisno. 2020. Profil Reseptor Gonadotropini Releasing Hormone (GnRH) dari Hipotalamus Sapi. *Jurnal Sain Veteriner*, 38(2), 188-193.
- Oktavia, L., & Arisuryanti, T. 2018. Komposisi Nukleotida Sekuen Gen Mitokondria 16S rRNA Ikan Bilih (*Mystacoleucus padangensis* Bleeker, 1852) Danau Singkarak, Solok, Sumatera Barat. *Biogenesis: Jurnal Ilmiah Biologi*, 6(2), 98-104.
- Radona, D., D.T. Soelistyowati., O. Carman., & R. Gustiano. 2016. Keragaman Genotipe dan Morfometrik Ikan Tengadak *Barbonymus schwanenfeldii* (Bleeker 1854) Asal Sumatera, Jawa, dan Kalimantan. *Jurnal Iktiologi Indonesia*, 16(3): 259-268.

- Rahayu, P., F. Marcelline., E. Sulistyaningrum., M.T. Suhartono., & R.R. Tjandrawinata. 2016. Potential effect of striatin (DLBS0333), a bioactive protein fraction isolated from *Channa striata* for wound treatment. *Asian Pacific Journal of Tropical Biomedicine*, 6(12), pp.1001-1007.
- Rahman, M.A., M.H.R. Molla., M.K. Sarker., S.H. Chowdhury., & M.M. Shaikh. 2018. Snakehead fish (*Channa striata*) and its biochemical properties for therapeutics and health benefits. *SF J Biotechnol Biomed Eng*, 1(1), 1005.
- Ratnayani, K., I.N. Wirajana., A.A.I.A.M. Laksmiwati. 2007. Analisis Variasi Nukleotida Daerah *D-Loop* DNA Mitokondria pada Satu Individu Suku Bali Normal. *Jurnal Kimia*, 1(1): 7-14.
- Reece, J.B., L.A. Urry., M.L. Cain., S.A. Wasserman., P.V. Minorsky., & R.B. Jackson. 2014. *Campbell Biology 10<sup>th</sup> edition*. Glenview: Pearson Education.
- Rimbawanto, A. & A.Y.P.B.C. Widyatmoko. 2006. Keragaman Genetik Empat Populasi *Latesia bijuga* Berdasarkan Penanda RAPD dan Implikasinya Bagi Program Konservasi Genetik. *Jurnal Penelitian Hutan Tanaman*, 3(3), pp.149-154.
- Rozas, J., A. Rerrer-Matta., J.C. Sanchez-DelBarrio., S. Guirao-Rico., P. Librado., S.E. Ramos-Onsins., & A. Sanchez-Gracia. 2017. DnaSP 6: DNA sequence polymorphism analysis of large data sets. *Molecular Biology and Evolution*, 13(12), 3299-3302.
- Sahid, N.A., F. Hayati., C.V. Rao., R. Ramely., I. Sani., A. Dzulkarnaen., Z. Zakaria., S. Hassan., A. Zahari., & A.A. Ali. 2018. Snakehead consumption enhances wound healing? From tradition to modern clinical practice: a prospective randomized controlled trial. *Evidence-Based Complementary and Alternative Medicine*.
- Saleky, D., F.E. Supriyatin., & M. Dailami. 2020. Pola Pertumbuhan dan Identifikasi Genetik *Turbo setosus* Gmelin, 1791 [Turbinidae, Gastropoda]. *Jurnal Kelautan Tropis*, 23(3), 305-315.
- Shofa, A. F., H. Hariyanti., & P. Wahyudi. 2019. Penggunaan DNA Mitokondria Sebagai Penanda Sumber Gelatin Sediaan Gummy dengan Teknik Polymerase Chain Reaction dan Sekuensing DNA. *Jurnal Sains Farmasi & Klinis*, 6(1), 25-31.
- Stamatakis, A., T. Ludwig., & H. Meier. 2005. RAxML-III: a fast program for maximum likelihood-based inference of large phylogenetic trees. *Bioinformatics*, 21(4), pp.456-463.
- Subari, A., A. Razak., & R. Sumarmin. 2021. Phylogenetic Analysis of *Rasbora* spp. Based on the Mitochondrial DNA COI gene in Harapan Forest. *Jurnal Biologi Tropis*, 21(1), 89-94.
- Supiwong, W., P. Jearranaiprepame., & A. Tanomtong. 2009. A New Report of Karyotype in the Chevron Snakehead Fish, *Channa striata* (Channidae, Pisces) from Northeast Thailand. *Cytologia*, 74(3): 317-322.
- Susmiarsih, T. 2010. Peran Genetik DNA Mitokondria (mtDNA) pada Motilitas Spermatozoa. *Majalah Kesehatan PharmaMedika*, 2(2): 178-184.
- Syafei, L. S. 2017. Keanekaragaman Hayati dan Konservasi Ikan Air Tawar. *Jurnal Penyuluhan Perikanan dan Kelautan*, 11(1), 48-62.
- Tarwinangsih, W., A. Farajallah., C. Sumantri., & E. Andreas. 2011. Analisis Keragaman Genetik Kerbau Lokal (*Bubalus bubalis*) Berdasarkan Haplotipe

- DNA Mitokondria. *Seminar Nasional Teknologi Peternakan dan Veteriner*, 19(3): 59-67.
- Taylor, R. W., & D.M. Turnbull. 2005. Mitochondrial DNA mutations in human disease. *Nature Reviews Genetics*, 6(5), 389-402.
- Tran, D.D., K. Shibukawa., T.P. Nguyen., P.H. Ha., X.L. Tran., V.H. Mai., & K. Utsugi. 2013. Fishes of the Mekong Delta, Vietnam. *Can Tho University Publishing House*. Can Tho City. p.125.
- Vacca, G. M., C. Daga., M. Pazzola., V. Carcangiu., M.L. Dettori., & M.C. Cozzi. 2010. D-loop sequence mitochondrial DNA variability of Sarda goat and other goat breeds and populations reared in the Mediterranean area. *Journal of Animal Breeding and Genetics*, 127(5), 352-360.
- Varma, B.R., 1979, Studies on the pH tolerance of certain freshwater teleosts: Comparative Physiological Ecology, v. 4, no. 2, p. 116-117.
- Vishwanath, W., & Geetakumari, K. 2009. Diagnosis and Interrelationships of Fishes of the Genus *Channa* Scopoli (Teleostei: Channidae) of Northeastern India. *Journal of Threatened Taxa Paper*, 1(2): 97-105.
- Wehantouw, A., E. Ginting., & S. Wullur. 2017. Identifikasi sirip ikan hiu yang didapat dari pengumpul di Minahasa Tenggara menggunakan DNA Barcode. *Jurnal Pesisir dan Laut Tropis*, 5(1), 62-68.
- Widjaja, E., Y. Rahayuningsih., J.S. Rahajoe., R. Ubaidillah., I. Maryanto., E.B. Walujo., & G. Semiadi. 2015. *Kekinian Keanekaragaman Hayati Indonesia 2014. 2 ed.* Lembaga Ilmu Pengetahuan Indonesia (LIPI) Press, Jakarta.
- Yang, Z. 1997. PAML: a program package for phylogenetic analysis by maximum likelihood. *Bioinformatics*, 13(5), pp.555-556.
- Yudhistira, A. & T. Arisuryanti. 2019. Preliminary Findings of Cryptic Diversity of the Giant Tiger Shrimp (*Penaeus Monodon* Fabricius, 1798) in Indonesia Inferred from COI Mitochondrial DNA. *Genetika*, 51(1): 251-260.