

DAFTAR PUSTAKA

- Alam, M. S., M. S. Islam & M. S. Alam. 2010. DNA Fingerprinting of the Freshwater mud eel (*Monopterus albus*) by Randomly Amplified Polymorphic DNA (RAPD) Marker. *International Journal of Biotechnology and Biochemistry* 6(2): 271-278.
- 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, 101-108.
- Allendorf, F. W dan G. H. Luikart. 2007. *Conservation And The Genetics Of Populations*. Blackwell Publishing. USA. Pp. 51.
- Arora, R. and Julka, JM. 2013. Phenotype And Genotype Differentiation Between Two Stocks Of *Tor Putitora* (Hamilton) Population (Pisces: Cyprinidae) From Himachal Pradesh, India. *International Journal of Plant, Animal and Environmental Sciences* 3 (3).
- Asih, S., Nugroho, E., & Mulyasari. 2008. Penentuan Variasi Genetik Ikan Batak (*Tor soro*) dari Sumatera Utara dengan Metode Analisis *Randomly Amplified Polymorphism DNA* (RAPD). *Lokakarya Nasional Pengelolaan dan Perlindungan Sumber Daya Genetik di Indonesia: Manfaat Ekonomi untuk Mewujudkan Ketahanan Nasional*, 292-297.
- Avise, J. C. 1994. *Molecular Markers, Natural History and Evolution*. Chapman and Hall. New York. 511 pp.
- Bardacki, F. and Skibinski, D.O.F. 1994. Application of the RAPD Technique in Tilapia Fish: Species and Subspecies Identification. *Heredity*, Vol. 73, pp.117–123.
- Bartfai, R., Egedi, S., Yue, G.H., Kovacs, B., Urbanyi, B., Tamas, G., Horvath, L., & Orban, L. 2001. Genetic Analysis of Two Common Carp Broodstocks by RAPD and Microsatellite Markers. *Aquaculture*, 219 (1-4), 157-167.
- Barus, T. A., Wahyuningsih, H., Ginting, E. M., & Simanjuntak, C.P. 2014. Ecobiological Review Of *Neolissochilus Sumatranus* (Ikan Batak) (Weber And De Beaufort, 1916) In Asahan River, North Sumatera. *Proceeding: The First International Seminar on Trends in Science and Science Education*. 39-45.
- Beaumont, A.R. and Hoare, K. 2003. *Biotechnology and Genetics in Fisheries and Aquaculture*. Blackwell Science, Ltd, UK.
- Bernatchez, L. 2016. On the Maintenance of Genetic Variation and Adaptation to Environmental Change: Considerations from Population Genomics in Fishes. *Journal of Fish Biology* (2016) 89, 2519–2556.
- Callejas, C., and Ochando. M. D. 2002. Phylogenetic Relationships among Spanish *Barbus* Species (Pisces, Cyprinidae) Shown by RAPD Markers. *Heredity* 89 (1), 36-43.

- Chandra, Gyan., Saxena, A and Barat, A. 2010. Genetic Diversity of Two Riverine Populations of *Eutropiichthys vacha* (Hamilton, 1822) using RAPD Markers and Implications for its Conservation. *Journal of Cell and Molecular Biology* 8(2): 77-85.
- Cheng, S., dan L. A, Kolmodin. 1997. *XL PCR Amplification of Long Targets from Genomic DNA, Methods in Molecular Biology: PCR Cloning Protocols*, edited by Bruce A. White, 67, Humana Press, Totowa, New Jersey, page 17 – 29.
- Danish, M., Singh, I.J., Giri, P., Singh, C.P. 2012. Molecular Characterization of Two Populations of Catfish *Clarias batrachus* L. Using Random Amplified Polymorphic DNA (RAPD) Markers. *African Journal of Biotechnology* Vol. 11(77), pp. 14217-14226.
- Dhinakaran, A., Hinakaran., Alikunhi, N. M., Chinnathanbi, S., Sornam R., Kalaiselvam, M., Rajasekaran, R., Manivannan, S. 2011. Assessment of Morphometric and Genetic Variation in Three Freshwater Fish Species of the Genus *Garra* (*Osteichthyes: Cyprinidae*). *Not Sci Biol*, 2011, 3(1):12-16.
- Doi, A. 1997. A Review of Taxonomic Studies of Cypriniform Fishes in Southeast Asia. *Japanese Journal of Ichthyology*, 44, 1– 33.
- Dudu, A., Georgescu, S.E., and Costache, M. 2015. *Evaluation of Genetic Diversity in Fish Using Molecular Markers*. Intech Open Science. P 180.
- Dunham RA. 2004. *Aquaculture and Fisheries Biotechnology*. Genetic Approaches. CABI publishing, UK. 372 pp.
- El-Kader, H. A. M. A., Z. G. Abdel-Hamid and K. F. Mahrous. 2013 Genetic Diversity among Three Species of Tilapia in Egypt Detected by Random Amplified Polymorphic DNA Marker. *Journal of Applied Biological Sciences*, 7 (2): 57-64.
- Finkeldey, R. 2005. *An Introduction to Tropical Forest Genetics*. Germany: Georg-August-University Gottingen.
- Foo, C.L., Dinesh, K. R., Lim, T.M., Chan, W.K., and Phang, V.P.E. 1995. Inheritance of RAPD Markers in the Guppy Fish, *Poecilia reticulata*. *Zoological Science* 12: 535-541.
- Frankham, R., J. D. Ballou, and D. A. Briscoe. 2002. *Introduction to Conservation Genetics*. Cambridge University Press. Pp. 10-20.
- Ganaie, H. A and Ali Md. N. 2016. Studies on the Genetic Variability of Three Fish Species (*Cyprinus carpio specularis*, *Cyprinus carpio communis* and *Oncorhynchus mykiss*) Collected from Kashmir (India) Using Random Amplified Polymorphic DNA (RAPD) Technique. *Asian Journal of Animal Sciences* 10 (1): 59-67.
- GBIF Secretariat. 2016. GBIF Backbone Taxonomy. Checklist Dataset <https://doi.org/10.15468/39omei> accessed via GBIF.org on 2017-09-04.
- Giri P, Taj G, Ginwal HS. 2012. Molecular characterization of six populations of *Acorus calamus* L. using random amplified polymorphic DNA (RAPD) markers. *Afr. J. Biotechnol.* 11(40):9522-9526.

- Harris, A.S., S. Bieger, R.W. Doyle, and J.M. Wright. 1991. DNA Fingerprinting of Tilapia, *Oreochromis niloticus* and its Applications to Aquacultur Genetics. *Aquaculture*, 92: 157-163.
- Harrison, I., M. Laverty and E. Sterling. 2004. *Genetic Diversity*. Connexions module: m12158.
- Hassanien, H. A., Elnady, M., Obeida, A., & Itriby, H. 2004. Genetic Diversity of Nile tilapia Population Revealed by RAPD. *Aquaculture Res*, 3, 587-593.
- IUCN. 2009. IUCN Red List of Threatened Species. www.iucn.org/ssc (<https://www.iucn.org/ssc>) on 2017-09-04.
- Jin, L and R. Chakraborty. 1995. Population Structure, Stepwise Mutations, Heterozygote Deficiency and Their Implications in DNA Forensics. *Heredity*, (74) : 274—285.
- Jorde, L. B. 1995. *Population Specific Genetic Markers and Diseases*. In: Mayer (Ed). *Molecular Biology and Biotechnology" A Comprehensive Desk Reference*, VCH Publisher, Inc. New York, USA, pp. 724-728.
- Khai, N. X., Kusairi, M. N., Ahmad, S., Syahaneem, M. Z. and Fatimah, M. A. 2015. Market Potential Analysis for Tengas (*Neolissochilus* sp.) in the Malaysian Market. *International Food Research Journal* 22(4): 1429-1432.
- Khaironizam, M. Z., Zakaria-Ismael, M., and Armbruster. J. M. 2015. Cyprinid Fishes of the Genus *Neolissochilus* in Peninsular Malaysia. *Zootaxa* 3962 (1): 139–157.
- Kottelat M., Whitten A.J. 1996. *Freshwater Fishes of Western Indonesia and Sulawesi*. Periplus Editions Ltd.
- 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. *International Journal of Southeast Asian Zoology*: 126.
- Miah, Md. F., Guswami, P., Al Rafi, R., Ali, A., Islam, S., M. M. A. Quddus and Ahmed, Md. K. 2013. Assessment of Genetic Variability among Individuals of Freshwater Mud Eel, *Monopterus albus* in a Population of Bangladesh. *American International Journal of Research in Science, Technology, Engineering & Mathematics* 13-264.
- Mordechai, E., 1999. *Application of PCR The Methodologies in Molekular Diagnosis*. Burlington Country. USA.
- Nei, M. 1987. *Molecular Evolutionary Genetics*. New York. Columbia University Press. Pp 1596-1599.
- Nelson, J. S. 2006. *Fishes of the World*. John Wiley and Sons Inc., New York. Pp 601.
- Nguyen T.T.T. & Silva S.S. De. 2006. Freshwater Finfish Biodiversity and Conservation: an Asian Perspective. *Biodiversity and Conservation*, 15(11):3543–3568.

- Ojango, J. M., N. Mpofu, K. Marshall dan L. Andersson-Eklund. 2012. *Quantitative Methods To Improve The Understanding And Utilization Of Animal Genetic Resources.. Module Measuring Genetic Diversity From Molecular Data*. Internasinal Livestock Research Institutute. Pp 136.
- Parenrengi, A., Sulaeman, Suryati, E., & Tenriulo, A. 2006. Karakterisasi Genetika Rumput Laut *Kappaphycus alvarezii* yang dibudidayakan Di Sulawesi Selatan. *Riset Akuakultur*, 1 (1), 1-11.
- Rainboth, W. J. 1985. *Neolissochilus*, a New Genus of South Asian Cyprinid Fishes. *Beaufortia*, 35 (3), 25–35.
- Roesma, D. I., Tjong, D.H., Munir, W., Agesi, A.V., Chornelia, A. 2017. Genetic diversity of *Tor douronensis* (Pisces: Cyprinidae) in West Sumatra, Indonesia. *Biodiversitas*. 18 (3), 1018-1025.
- Roesma, D.I. 2011. Diversitas spesies dan kekerabatan genetik ikan-ikan Cyprinidae di danau-danau dan sungai-sungai di sekitarnya di kawasan Sumatera Barat. PhD Dissertation. Andalas University. Padang.
- Roesma, D.I., Chornelia, A. Mursyid, A., Kamsi, M. 2016. Short Communication: Fish Diversity of the Batang Toru River Systems, South Tapanuli, North Sumatra. *Biodiversitas*. 17(2) : 628-634.
- Sambrook, J. and I. Russel (2001). *In Molecular Cloning: A Laboratory Manual, 3rd ed, Cold Spring Harbor Laboratory Press, Plains view, N.Y.USA*.
- Shafi, N., Ayub, J., Ashraf, N., Mian, A., and Malik, I. U. 2016. Genetic Diversity in Different Populations of Mahseer (*Tor putitora*) in Pakistan: A RAPD Based Study. *Int. J. Agric. Biol.*, 18: 1181–1187.
- Simanjuntak. C. P.H. 2012. Keragaman dan Distribusi Spasio Temporal Iktiofauna Sungai Asahan Bagian Hulu dan Anak Sungainya. *Prosiding Seminar Nasional Ikan VII*, 43-60.
- Siraj, S.S., Esa, Y.B., Keong, B.P. And Daud, S.K. 2007. Genetic Karakterization of the Two Colour Type Of Kelah. *Malays. Appl. Biol.* 36(1), 23-29.
- Tamanna, F. M., Rashid, J., & Alam, M. S. 2012. High Levels Of Genetic Variation Revealed in Wild Populations Of The Stripped Dwarf Catfish *Mystus Vittatus* (Bloch) (Bagridae: *Siluriformes*) in Bangladesh by Random Amplified Polymorphic Dna Techniques. *International Journal of Advanced Biological Research*, 2 (2), 322-327.
- Tamura, K., Peterson, D., Peterson, N., Stecher, G., Nei, M. and Kumar, S. 2011. MEGA 5: Molekuler evolutionary Genetics Analysis Using Maximum Likelihood, Evolutionary, Distance and Maximum Parsimony Methods. *Mol. Biol. Evol* 28 (10): 2731-2739.
- Venogupal, Saunders & Parker, H. 1994. *Analytical Molecular Biology, Quality and Validation. Royal Society of Chemistry*. Pp 117.
- Vidthayanon, C. & Kottelat, M. 2003. Three New Species of Fishes from Tham Phra Daeng and Tham Phra Sai Ngam caves in the Northern Thailand. *Ichthyological and Exploration of Freshwaters*, 14, 159–174.

- Welsh, J. and McClelland, M. 1990. Fingerprinting Genomes using PCR with Arbitrary Primers. *Nucleic Acids Res.*, 18(24): 6531-6535.
- Williams, J.G., Kubelik, A. R., Livak, K. J., Rafalski, J. A., & Tingey, S. V. 1990. DNA Polimorphisms Amplified by Arbitrary Primers are Useful are Genetic Markers. *Nucleic Acids Res.*, 18(22): 6531-6535.
- Zakaria-Ismail, M. 1994. Zoogeography and Biodiversity of the Freshwater Fishes of Southeast Asia. *Hydrobiologia*, 285(1-3): 41-48.

