DAFTAR PUSTAKA

Alberts, B., A. Johnson, J. Lewis, M. , K. Roberts and P. Walter. 2008. *Moleculer Biology of The Cell*. Garland Publishing. New York

Avise, J. C., Bowen, B. W and Lamp, T. 1989. DNA fingerprint from hypervariable mitochondrial genotypes. *Moleculer Biologi Evolution* 6: 258-269.

Baldauf, S. L. 2003. Phylogeny for the faint of heart: A Tutorial. *Genetics* 6 (19): 345-351.

Bazin, E., S. Glemin and N. Galtier. 2006. Population Size Does Not Influence Mitochondrial Genetic Diversity in Animals. *Science* 312: 570-572.

Bleeker, P. 1853. Diagnostische beschrijvingen van nieu- we of weinig bekende visch- soorten van Sumatra. Tiental V–X. Natuurkundig Tijdschrift voor Nederlandsch Indië 4: 243-302.

Boore, J. L. 1993. Animal Mitochondria Genome. *Nucleic Acids Research* 27: 1767-1780

Brinkman, F. S. L. and Leipe, D. D. 2001. Phylogenetic Analysis. *In:* Baxevanis, A.D. and B.F.F. Ouellette (Eds.) Bioinformatics: A Practical Guide to the Analisys of Gene and Protein. *John Willey & Son's Inc.* 323-358.

Brown, T. A. 2002. *Genomes 2nd*. Magdalen Road, Bios Scientifict Publisher Ltd. Oxford. UK

Burland, T. G. 2000. DNASTAR's Lasergene Sequence Analysis Software. *Methods Mol Biol* 132: 71-91

Cailliet, G. M., M. S. Love and A. W. Ebeling. 1986. *Fishes.* A Field and Laboratory Manual on Their Structure, Identification and Natural History. Waveland Press, Inc.

Dekui, H. E., Y. Chen, Y. Chen and Z. Chen. 2004. Molecular phylogeny of the specialized schizothoracine fishes (Teleostei: Cyprinidae), with their implications for the uplift of the Qinghai-Tibetan Plateau. *Chinese Science Bulletin* 49: 39-48

Elmer, K. R. Kusche, H., Lehtonen, T. K and Meyer. A. 2010. Local Variation and Parallel Evolution: Morphological and Genetic Diversity Across a Species Complex Of Neotropical Crater Lake Cichlid Fishes. *Phil. Trans. R. Soc. B*. 365: 1763-1782

Farias, I. P., G. Orti, I. Sampaio, H. Schneider and A. Meyer. 2001. TheCytochrome b gene as a phylogenetic marker: the limits of resolution for analyzing relationships among Cichlid fishes. *JMol Evol.* 53:89-103.

Frankham, R. J. 1995. Inbreeding and extinction: Island Population. *Conservation Biology* 12: 665-675.

Friedman, J. R. and Nunnari, J. 2014. Mitochondrial form and function. *Nature* 505: 335–343

Galtier, N., B. Nabholz, S. Glemin and G. D. D Hurst. 2009. Mitochondrial DNA as a marker of molecular diversity: a reappraisal. *Molecular Ecology* 18: 4541-4550

Hadiaty, R. K. 2014. *Taxonomic study of the genus Nemacheilus (Teleostei: Nemacheilidae) in Indonesia.* Doctoral thesis of science. University of the Ryukyus. Jepang

Hebert P. D, M. Y. Stoeckle, T. S. Zemlak and C. M. Francis. 2004. Identification of birds through DNA barcodes. *PLoS Biol* 2: 312

Hidayat, T dan Pancoro, A. 2008. Kajian Filogenetika Molekuler dan Peranannya dalam Menyediakan Informasi Dasar untuk Meningkatkan Kualitas Sumber Genetika Anggrek. *J. Agro. Biogen* 4 (1): 35-40.

Irwin, D. M., T. D. Kocher, and A. C. Wilson. 1991. Evolution of the cytochrome b gene of mammals. *J Mol. Evol.* 32: 128–144.

IUCN, 2014. IUCN Red List of Threatened Species. Version 2014.1. IUCN 2014. IUCN Red List of Threatened Species.. Downloaded in Maret 2015.

Jamshidi S., A. Abdoli, M. Sherafatian and K. Golzarianpour. 2013. Analysis of mitochondrial DNA sequences of Turcinoemacheilus genus (Nemacheilidae; Cypriniformes) in Iran. *Iranian Journal of Fisheries Sciences* 12 (3): 592-604

Jerry, D. R., Preston, N. P., Peter, J. C., Sandy, K., Meadows, J. R. S., Yutao, L. 2004. Parantage determination of kuruma shrimp Penaeus (Marsupenaeus) japonicas using microsatellite markers (Bate). *Aquaculture* 235: 237-247

Karlina, W., D. I. Roesma and D. H. Tjong. 2016. Phylogenetic study of *Puntius* cf. *binotatus* fish from Gunung Tujuh Lake in Sumatera Based on Cytochrome b Gene. *Journal of Entomology and Zoology Studies* 4 (2): 538-540

Kartavtsev Y. P and Lee J. S. 2006. Analysis of nucleotide diversity at genes Cyt-b and Co-1 on population, species, and genera levels. Applicability of DNA and allozyme data in the genetics of speciation. *Genetika* 42: 437–461

Kazak, L., A. Reyes and I. J. Holt. 2012. Minimizing the damage: repair pathways keep mitochondrial DNA intact. *Nat. Rev. Mol. Cell Biol* 13: 659–671

Kosinski, R. J., D. R. Weinbrenner, and M. G. Cross. 2008. Extraction, sequencing and analysis of mitochondrial DNA. *Proceedings of the Association for Biology Laboratory Education* (29): 137-166

Kottelat, M., Whitten, A. J., Kartikasari, S. N and Wirdjoatmodjo S. 1993. *Freshwater fishes of Western Indonesia and Sulawesi.* Periplus Edition (HK) in Collaboration with The Environment Rep. of Indonesia. Jakarta

Kottelat, M. and Whitten, T. 1996. *Freshwater Biodiversity in Asia With Special Reference to Fish.* The World Bank. Washington D.C

Kottelat, M. 2012. Conspectus cobitidum*: An Inventory of The Loaches of The World (Teleostei: Cypriniformes: Cobitoidei). *The Raffless Bulletin of Zoology* 26: 1-199.

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 Raffless Bulletin of Zoology* 27: 1-663

Kumazawa, Y. and Nishida, M. 2000. Molecular Phylogeny of Osteoglossoids: A New Model for Gondwanian Origin and Plate Tectonic Transportation of the Asian Arowana *Mol. Biol. Evol.* 17 (12): 1869–1878.

Kvist, L. 2000. *Phylogeni and Phylogeography of European Parids.* Disertation. Department of Biologi. OULU University. Finland.

Lee, J. S., M. Miya, Y. S. Lee, C. G. Kim, E. H. Park, Y. Aoki and M. Nishida. 2001. The complete DNA sequence of the mitochondrial genome of the self-fertilizing fish Rivulus marmoratus (Cyprinodontiformes, Rivulidae) a the first description of duplication of control region in fish. *Gene* 280: 1–7.

Leveque, C, T., D. Oberdorff, M. J. L Paugy, Stiassny and P. A Tedesco. 2008. Global diversity of fish (Pisces) in freshwater. *Hydrobiologia* 595: 545-567.

Li, S., D. K. Pearl and H. Doss. 1999. *Phylogenetic tree construction using Markov ChainMonte Carlo*. Fred Huntchinson Cancer Research Center Washington. USA

Liu, H. and Chen, Y. 2003. Phylogeny of the east Asian cyprinids inferred from sequences of the mitochondrial DNA control region. *Can. J. Zool.* 81: 1938–1946.

Lockley, A. K. and Bardsley, R. G. 2000. DNA-Based Methods for Food Authentication, *Trend Food Sci. Tech* 11 (2): 67-77.

MacArthur, R. H. and Wilson, E. O. 1967. *The theory of island biogeography.* Princeton, New Jersey. Princeton University Press

Maggio, T., F. Andaloro, F. Hemida and M. Arculeo. 2005. A Molecular Analysis of Some Eastern Atlantic Grouper from the *Epinephelus* and *Mycteroperca* Genus. *Journal of Experimental Marine Biology and Ecology* 321: 83-92.

Mayr, E. 1970. *Populations, species, and evolution: an abridgment of animal species and evolution.* The Belknap Press of Harvard University Press Cambridge, Massachusetts and London. England

McAllister, D. E., A. L. Hamilton and B. Harvey. 1997. Global freshwater biodiversity: Striving for the integrity of freshwater ecosystems. *Sea Wind* 11: 1-140

Mihara, M., T. Sakai, K. Nakao, L. D. O. Martins, K. Hosoya and J. I. Miyazaki. 2005. Phylogeography of Loaches of the Genus *Lefua* (Balitoridae, Cypriniformes) Inferred from Mitochondrial DNA Sequences. *Zoological Science* 22: 157–168

Moyle, P. B and J. J. Chech. 2000. *Fishes An Introduction to Ichthyology, Fourth Edition.* Prentice-Hall, Inc

Nagase, M., T. Aimi, K. Suginaka, Y. Kitamoto and T. Morinaga. 2005. Complete mitochondrial DNA sequence of the Japanese flying fish Cypselurus hi ¨ *Fish. Sci*. 71: 914–923.

Nei, M and S. Kumar. 2000. *Moleculer Evolution and Phylogenetics.* Oxford University Press. New York

Ozawa, T., S. Hayashi and V. M. Mikhelson. 1997. Phylogenetic position of mammoth and stellers sea cow within Tethytheria demonstrated by mitochondrial DNA sequences. *Mol. Phyl. Evol.* 44: 406-413

Parson, W., K. Pegoraro, H. Niederstatter, M. Foger and M. Steinlechner. 2000. Species identification by means of the sitokrom b gene. *International Journal of Legal Medicine* 114: 23-28.

Peng, Z., S. He and Y. Zhang. 2004. Phylogenetic relationships of glyptosternoid Wshes (Siluriformes: Sisoridae) inferred from mitochondrial cytochrome *b* gene sequence. *Mol. Phyl. Evol.* 31: 979–987.

Perdices, A., C. Cunha and M. M. Coelho. 2004. Phylogenetic structure of *Zacco platypus* (Teleostei, Cyprinidae) populations on the upper and middle Chang Jiang (D Yangtze) drainage inferred from cytochrome *b* sequences. *Mol. Phyl. Evol.* 31: 192–203.

Putra, A. A., Vitri, H. Yolantika dan M. Ikhsan. 2013. *Analisis Morfologi Beberapa Populasi Ikan N. pfeifferae di Sumatera Barat*. Laporan Penelitian Universitas Andalas. Padang. Unpublished

Qi, D., T. Li, X. Zhao, S. Guo and J. Li. 2005. Mitochondrial sitokrom b sequence variation and phylogenetics of the higher specialized Schizothoracine Fishes (Teleostei: Cyprinidae) in the Qinghai- Tibet Plateau. *Biochem. Gen.* 44: 270-285.

Randi, E. 1996. A Mitochondrial sitokrom b phylogeny of the Alectoris partridges. *Mol. Phyl. Evol.* 6: 214–227

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

Rozas, J., Sanchez DeI Barrio J. C., Messeguer, Rozas, X. R. 2003. DnaSP, DNA polymorphism analyses by the coalescent and other methods. *Bioinformatics,* 19: 2496–2497

Shearer T. L. and M. A. 2008. Choffroth. Dna Barcoding: Barcoding corals: limited by interspecific divergence, not intraspecific variation. *Molecular Ecology Resources* , 8: 247–255

Tamura, K., G. Stecher, D. Peterson, A. Filipski and S. Kumar. 2013. MEGA6. Molecular Evolutionary Genetics Analysis Using Maximum Likelihood, Evolutionary Distance, and Maximum Parsimony Methods. *Mol. Biol. Evo*l. 28 (10): 2731–2739.

Tang, Q. Y., H. Z. Liu, R. Mayden and Xiong. 2005. Comparison of evolutionary rates in the mitochondrial DNA sitokrom b gene and control region and their implications for phylogeny of the Cobitoidea (Teleostei: Cypriniformes). *Mol. Phyl. Evol.* 39: 347-357

Templeton, A. R. 2005. Haplotype Trees and Modern Human Origins. *Yearbook Of Physical Antrhropology* 48: 33-59

Thacker, C.E. Molecular Phylogeny of the Gobioid Fishes (Teleostei: Perciformes: Gobioidei). 2003. *Molecular Phylogenetics and Evolution*. 26 : 354-368.

Tischendorf, L. & Fahrig, L. 2000. On the usage and measurement of landscape connectivity. Environmental Management 90: 7–19.

Torrente, G. V., Jansen Z, Fabien L, Thierry O., and Pablo, A. T . 2011. Effects of natural rapids and waterfalls on fish Assemblage structure in the Madeira River (Amazon Basin). *Ecology of Freshwater Fish* 20: 588–597

Ubadillah, R. dan Sutrisno, H. 2009. *Pengantar Biosistematik : Teori dan Praktek*. Museum Zoologicum Bogoriense, Pusat Penelitian Biologi Lembaga Ilmu Pengetahuan Indonesia Bogor. LIPI Press. Jakarta

Wibowo, A. 2012. Keragaman Genetik Ikan Semah (*Tor Tambroides* Bleker 1854) di Sungai Manna, Bengkulu Dan Sungai Semanka, Lampung *Bawal* 4 (2): 105-112

Willet, C.E., J.J. Cherry and L.A. Steiner. Characterization and Expression of the Recombination Activating Genes (rag1 and rag2) of Zebrafish. 1995. *Immunogenetics*. 45 : 394-404.

Xiao, W., Y. Zhang and H. Liu. 2001. Molecular systematics of Xenocyprinae (Teleostei: Cyprinidae): taxonomy, biogeography, and coevolution of a special group restricted in east Asia. *Mol. Phyl.. Evol.* 18: 163-173.

Yudistira, D. B. 2013. *Studi Komparatif Ikan Mas (Cyprinus carpio) Berdasarkan Variasi Anatomi dan Genetik Gen 18 sRNA*. Tesis. Universitas Gajah Mada. Yogyakarta