



DAFTAR PUSTAKA

- Agnès, J.F., Adépo-Gourène, B., Abban, E.K., Fermon, Y. 1997. Genetic differentiation among natural populations of the Nile tilapia *Oreochromis niloticus* (Teleostei, Cichlidae). *Heredity* (Edinb). 79: 88–96.
- Allendorf, F.W., Ryman, N., Utter, F.M. 1987. Genetics and fishery management: past, present, and future. *In*: Ryman, N., Utter, F. (Eds.). *Population Genetics & Fishery Management*. University of Washington Press. 1–20.
- Arifin, O.Z., Kurniasih, T. 2007. Karakterisasi morfologi keturunan pertama ikan nila (*Oreochromis niloticus*) GET dan GIFT berdasarkan metode truss morphometrics. *J. Ris. Akuakultur*. 2: 373–383.
- Ariyanto, D., Imron. 2008. Analisis keragaman morfometrik dan genetik pada strain ikan mas (*Cyprinus carpio*). *J. Fish. Sci*. X: 53–63.
- Barlow, G.W. 1986. Mate choice in the monogamous and polychromatic Midas cichlid, *Cichlasoma citrinellum*. *J. Fish Biol*. 29: 123–133.
- Barlow, G.W. 1983. The benefits of being gold: behavioral consequences of polychromatism in the Midas cichlid, *Cichlasoma citrinellum*. *Env. Biol. Fish*. 8: 235–247.
- Barlow, G.W. 1976. The Midas cichlid in Nicaragua. *Investig. ichthyofauna Nicar. lakes*. 23: 333–359.
- Barlow, G.W. 1973. Competition between color morphs of the polychromatic Midas cichlid *Cichlasoma citrinellum*. *Science*. 179: 806–807.
- Barlow, G.W., Ballin, P.J. 1976. Predicting and assessing dominance from size and coloration in the polychromatic Midas cichlid. *Anim. Behav*. 24: 793–813.
- Barlow, G.W., Munsey, J.W. 1976. The red devil-Midas-arrow cichlid species complex in Nicaragua. *Pap. Biol. Sci*. 1: 157–369.
- Barlow, G.W., Rogers, W., Cappeto, R. V. 1977. Incompatibility and assortative mating in the Midas cichlid. *Behav. Ecol. Sociobiol*. 2: 49–59.
- Barlow, G.W., Wallach, S.J. 1976. Colour and levels of aggression in the Midas cichlid. *Anim. Behav*. 24: 814–817.
- Barluenga, M., Stölting, K.N., Salzburger, W., Muschick, M., Meyer, A. 2006. Sympatric speciation in Nicaraguan crater lake cichlid fish. *Nature*. 439: 719–723.
- Barriga-Sosa, I. de los A., Jiménez-Badillo, M.D.L., Ibáñez, A.L., Arredondo-Figueroa, J.L. 2004. Variability of tilapias (*Oreochromis* spp.) introduced in Mexico: morphometric, meristic and genetic characters. *J. Appl. Ichthyol*. 20: 7–14.
- Bucklin, A., Steinke, D., Blanco-Bercial, L. 2011. DNA barcoding of marine metazoa. *Ann. Rev. Mar. Sci*. 3: 471–508.
- Burruss, E.D. 2014. Cichlid fishes as models of ecological diversification: patterns, mechanisms, and consequences. *Hydrobiologia*. 748: 7–27.
- Canonico, G.C., Arthington, A., Mccrary, J.K., Thieme, M.L. 2005. The effects of introduced tilapias on native biodiversity. *Aquat. Conserv. Mar. Freshw. Ecosyst*. 15: 463–483.



- Carpenter, K.E. 2001. Suborder Labroidei Cichlidae. *In*: Carpenter, K.E., Niem, V.H. (Eds.). The Living Marine Resources of the Western Central Pasific. FAO of the United Nations. Rome. 3333–3336.
- Carpenter, K.E., Niem, V.H. 2001. FAO Species Identification Guide for Fishery Purposes: The Living Marine Resources of the Western Central Pacific. Volume 5. Bony fishes part 3 (Menidae to Pomacentridae). FAO Rome.
- Chakraborty, A., Burhanuddin, A.I., Iwatsuki, Y. 2005. A new species, *Trichiurus australis* (Perciformes: Trichiuridae) from Australia. *Ichthyol. Res.* 52: 165–170.
- Chambers, R.C. 1993. Phenotypic variability in fish populations and its representation in individual-based models. *Trans. Am. Fish. Soc.* 122: 404–414.
- Davies, W.D. 1976. Lake Nicaragua fishery resources. *Investig. Ichthyofauna Nicar. Lakes.* 16: 261–265.
- Dickman, M.C., Schliwa, M., Barlow, G.W. 1988. Melanophore death and disappearance produces color metamorphosis in the polychromatic Midas cichlid (*Cichlasoma citrinellum*). *Cell Tissue Res.* 253: 9–14.
- Dittmann, M.T., Roesti, M., Indermaur, A., Colombo, M., Gschwind, M., Keller, I., Kovac, R., Barluenga, M., Muschick, M., Salzburger, W. 2012. Depth-dependent abundance of Midas cichlid fish (*Amphilophus* spp.) in two Nicaraguan crater lakes. *Hydrobiologia.* 686: 277–285.
- Djasmani, S.S., Djumanto. 2014. Komposisi ikan hasil tangkapan jaring insang pada berbagai shortening di Waduk Sermo. *J. Perikan.* XVI: 35–42.
- Djumanto, Pranoto, B.E., Diani, V.S., Setyobudi, E. 2017. Makanan dan pertumbuhan ikan bandeng, *Chanos chanos* (Forsskål, 1775) tebaran di Waduk Sermo, Kulon Progo. *J. Iktiologi Indones.* 17: 83–100.
- Dunz, A.R., Schliwen, U.K. 2013. Molecular phylogeny and revised classification of the haplotilapiine cichlid fishes formerly referred to as “Tilapia” *Mol. Phylogenet. Evol.* 68: 64–80.
- Eccles, D.H. 1992. FAO Species identification sheets for fishery purposes: field guide to the freshwater fishes of Tanzania. Food and Agriculture Organization of the United Nations. Rome.
- Elliott, N.G., Haskard, K., Koslow, J.A. 1995. Morphometric analysis of orange roughy (*Hoplostethus atalanticus*) off the continental slope of southern Australia. *J. Fish Biol.* 46: 202–220.
- Elmer, K.R., Lehtonen, T.K., Meyer, A., 2009. Color assortative mating contributes to sympatric divergence of Neotropical cichlid fish. *Evolution (N.Y).* 63: 2750–2757.
- Everitt, B.S., Landau, S., Leese, M., Stahl, D. 2011. Cluster Analysis. John Wiley & Sons, Ltd. United Kingdom.
- Fernando, G.K.A.W., Amarasinghe, U.S. 2011. Morphological differentiation of two cichlid species in Sri Lanka using truss networks. *Sri Lanka J. Aquat. Sci.* 16: 1–10.
- Gu, D.E., Mu, X.D., Xu, M., Luo, D., Wei, H., Li, Y.Y., Zhu, Y.J., Luo, J.R., Hu, Y.C. 2016. Identification of wild tilapia species in the main rivers of south China using mitochondrial control region sequence and morphology. *Biochem. Syst. Ecol.* 65: 100–107.



- Habibie, S.A., Djumanto, Rustadi. 2015. Penggunaan otolit untuk penentuan umur dan waktu pemijahan ikan red devil, *Amphilophus labiatus* [Günther, 1864] di Waduk Sermo, Yogyakarta. *J. Iktiologi Indones.* 15: 87–98.
- He, A., Luo, Y., Yang, H., Liu, L., Li, S., Wang, C. 2011. Complete mitochondrial DNA sequences of the Nile tilapia (*Oreochromis niloticus*) and blue tilapia (*Oreochromis aureus*): genome characterization and phylogeny applications. *Mol. Biol. Rep.* 38: 2015–2021.
- Henning, F., Jones, J.C., Franchini, P., Meyer, A. 2013. Transcriptomics of morphological color change in polychromatic Midas cichlids. *BMC Genomics* 14: 171.
- Hubbs, C.L. 1955. Hybridization between fish species in nature. *Soc. Syst. Biol.* 4: 1–20.
- Jerry, D.R., Cairns, S.C. 1998. Morphological variation in the catadromous Australian bass, From seven geographically distinct riverine drainages. *J. Fish Biol.* 52: 829–843.
- Kitano, J., Mori, S., Peichel, C.L. 2007. Sexual dimorphism in the external morphology of the threespine stickleback (*Gasterosteus aculeatus*). *Copeia* 2007: 336–349.
- Kosai, P., Sathavorasmith, P., Jiraungkoorskul, K., Jiraungkoorskul, W. 2014. Morphometric characters of Nile tilapia (*Oreochromis niloticus*) in Thailand. *Walailak J. Sci. Technol.* 11: 857–863.
- Kullander, S.O. 2003. Family Cichlidae (Cichlids). *In*: Reis, R.E., Kullander, S.O., Ferraris Jr, C.J. (Eds.). *Check List of the Freshwater Fishes of South and Central America*. Edipucrs. Porto Alegre. Brazil. 605–654.
- Landau, S., Everitt, B.S. 2004. *A Handbook of Statistical Analyses using SPSS*, Chapman & Hall/CRC. Washington D.C.
- Leclercq, E., Taylor, J.F., Migaud, H. 2010. Morphological skin colour changes in teleosts. *Fish Fish.* 11: 159–193.
- Lin, S.M., Nieves-Puigdoller, K., Brown, A.C., McGraw, K.J., Clotfelter, E.D. 2010. Testing the carotenoid trade-off hypothesis in the polychromatic Midas cichlid, *Amphilophus citrinellus*. *Physiol. Biochem. Zool.* 83: 333–342.
- Liu, L., He, J., Li, N., Fu, X., Lin, Q., Shi, C., Lv, Y., Zhang, Z. 2016. Complete mitochondrial genome of *Parachromis managuensis* (Perciformes: Cichlidae). *Mitochondrial DNA.* 27: 2533–2534.
- Lockley, A.K., Bardsley, R.G. 2000. DNA-based methods for food authentication. *Trends Food Sci. Technol.* 11: 67–77.
- McKaye, K.R. 1980. Seasonality in habitat selection by the gold color morph of *Cichlasoma citrinellum* and its relevance to sympatric speciation in the family Cichlidae. *Environ. Biol. Fishes* 5: 75–78.
- McKaye, K.R., Barlow, G.W. 1976. Competition between color morphs of the Midas cichlid, *Cichlasoma citrinellum*, in Lake Jiloa, Nicaragua. *In*: Thorson, T.B. (Ed.). *Investigation of The Ichthyofauna of Nicaraguan Lakes*. School of Life Sciences. University of Nebraska-Lincoln. 465–475.
- Moreau, J., Bambino, C., Pauly, D. 1986. Indices of overall growth performance of 100 tilapia (Cichlidae) populations. *In*: Maclean, J.L., Dizon, L.B., Hosillos, L.V.



- (Eds.). The First Asian Fisheries Forum. Asian Fisheries Society. Manila. Philippines. 201–206.
- Nelson, J.S. 2006. Fishes of the World. Fourth Edition. John Wiley & Sons, Ltd., New Jersey. 601 p.
- Nelson, J.S., Grande, T.C., Wilson, M.V.H., 2016. Fishes of the World. Fifth Edition. John Wiley & Sons, Ltd., New Jersey. 707 p.
- Olufeagba, S.O., Aladele, S.E., Okomoda, V.T., Sifau, M.O., Ajayi, D.A., Oduoye, O.T., Bolatito, O.A., Nden, D.S., Fabunmi-Tolase, A.S., Hassan, T. 2015. Morphological variation of cichlids from Kainji Lake, Nigeria. *Int. J. Fish. Aquac. Res.* 1: 1–14.
- Ordoñez, J.F.F., Ventolero, M.F.H., Santos, M.D. 2017. Maternal mismatches in farmed tilapia strains (*Oreochromis* spp.) in the Philippines as revealed by mitochondrial COI gene. *Mitochondrial DNA Part A.* 28: 526–535.
- Pauly, D., Moreau, J., Prein, M. 1988. A comparison of overall growth performance of tilapia in open waters and aquaculture. *In: Pullin, R.S.V., Bhukaswan, T., Tonguthai, K., Maclean, J.L. (Eds.). The Second International Symposium on Tilapia in Aquaculture. ICLARM Conference Proceedings. Department of Fisheries Bangkok, Thailand and International Center for Living Aquatic Resources Management. Manila. Philippines. 469–479.*
- Rustadi. 2009. Eutrofikasi nitrogen dan fosfor serta pengendaliannya dengan perikanan di Waduk Sermo. *J. Mns. dan Lingkung.* 16: 176–186.
- Salzburger, W. 2009. The interaction of sexually and naturally selected traits in the adaptive radiations of cichlid fishes. *Mol. Ecol.* 18: 169–185.
- Samaradivakara, S.P., Hirimuthugoda, N.Y., Gunawardana, R.H.A.N.M., Illeperuma, R.J., Fernandopulle, N.D., De Silva, A.D., Alexander, P.A.B.D. 2012. Morphological variation of four tilapia populations in selected reservoirs in Sri Lanka. *Trop. Agric. Res.* 23: 105–116.
- Schwägele, F. 2005. Traceability from a European perspective. *Meat Sci.* 71: 164–173.
- Schwenk, K., Brede, N., Streit, B. 2008. Introduction. Extent, processes and evolutionary impact of interspecific hybridization in animals. *Philos. Trans. R. Soc. Lond. B. Biol. Sci.* 363: 2805–2811.
- Seehausen, O., Van Alphen, J.J.M. 1998. The effect of male coloration on female mate choice in closely related Lake Victoria cichlids (*Haplochromis nyererei* complex). *Behav. Ecol. Sociobiol.* 42: 1–8.
- Sowersby, W., Lehtonen, T.K., Wong, B.B.M. 2015. Background matching ability and the maintenance of a colour polymorphism in the red devil cichlid. *J. Evol. Biol.* 28: 395–402.
- Stauffer, J.R., Van Snik Gray, E. 2004. Phenotypic plasticity: its role in trophic radiation and explosive speciation in cichlids (Teleostei: Cichlidae). *Anim. Biol.* 54: 137–158.
- Stauffer Jr., J.R., McKaye, K.R. 2002. Descriptions of three new species of cichlid fishes (Teleostei: Cichlidae) from Lake Xiloá, Nicaragua. *Cuad. Investig. la U.C.L.* 12: 1–18.
- Stiassny, M.L.J., Meyer, A. 1999. Cichlids of the rift lakes. *Sci. Am.* 280: 64–69.



- Strauss, R.E., Bond, C.E. 1990. Taxonomic Methods: Morphology, in: Schreck, C.B., Moyle, P.B. (Eds.). *Methods for Fish Biology*. American Fisheries Society. Bethesda. Maryland. 109–140.
- Swain, D.P., Riddell, B.E., Murray, C.B. 1991. Morphological differences between hatchery and wild populations of coho salmon (*Oncorhynchus kisutch*): environmental genetic origin. *Can. J. Fish. Aquat. Sci.* 48: 1738–1791.
- Teletchea, F. 2009. Molecular identification methods of fish species: reassessment and possible applications. *Rev. Fish Biol. Fish.* 19: 265–293.
- Trewavas, E. 1982. Generic groupings of tilapini used in aquaculture. *Aquaculture* 27: 79–81.
- Triyatmo, B. 2001. Studi kondisi limnologis Waduk Sermo pada tahap pra-inundasi. *J. Perikan.* 3: 1–9.
- Turan, C., Ergüden, D., Turan, F., Gürlek, M. 2004. Genetic and morphologic structure of *Liza abu* (Heckel, 1843) populations from the rivers Orontes, Euphrates and Tigris. *Turkish J. Vet. Anim. Sci.* 28: 729–734.
- Turner, G.F. 2007. Adaptive radiation of cichlid fish. *Curr. Biol.* 17: R827–R831.
- Wimberger, P.H. 1992. Plasticity of fish body shape. The effects of diet, development, family and age in two species of *Geophagus* (Pisces: Cichlidae). *Biol. J. Linn. Soc.* 45: 197–218.
- Wohlfarth, G.W., Hulata, G. 1983. *Applied Genetics of Tilapias*. International Center for Living Aquatic Resources Management. Manila. Philippines.
- Wu, L., Yang, J. 2012. Identifications of captive and wild tilapia species existing in Hawaii by mitochondrial DNA control region sequence. *PLoS One.* 7: 1–9.