

## DAFTAR PUSTAKA

- Margaretha, E., Yudasmara, G. A., & Fain, H. (2025). Pengaruh suplementasi sinbiotik (EM4 x *Ipomoea batatas* L) dalam pakan terhadap sintasan dan laju pertumbuhan benih ikan nila (*Oreochromis niloticus*). *Wahana Matematika dan Sains: Jurnal Matematika, Sains, dan Pembelajarannya*, 19(2), 102–111. <https://doi.org/10.23887/wms.v19i2.99652>
- Martini, N. N. D. (2017). Pengaruh perbedaan sistem budidaya terhadap laju pertumbuhan udang vaname (*Litopenaeus vannamei*). *Jurnal IKA*, 15(1). <https://doi.org/10.23887/ika.v15i1.20175>
- Martini, N. N. D. (2024). Komparasi kinerja pertumbuhan ikan nila (*Oreochromis niloticus*) pada sistem resirkulasi dengan media filter yang berbeda. *Jurnal Pendidikan Biologi Undiksha*, 11(1), 15–25. <https://doi.org/10.23887/jipb.v11i1.76501>
- Martini, N. N. D., Suryani, K. A. A., & Br Sitepu, G. S. (2025). Pengaruh perbedaan jenis pakan terhadap tingkat pertumbuhan dan sintasan benih ikan badut (*Amphiprion percula*). *Wahana Matematika dan Sains: Jurnal Matematika, Sains, dan Pembelajarannya*, 18(3), 14–24. <https://doi.org/10.23887/wms.v18i3.87554>
- Septyana Sari, N. L. P., Yudasmara, G. A., & Antara, K. L. (2018). Pengaruh pemberian pakan tambahan campuran kuning telur ayam dan tepung beras dengan tepung pakan terhadap pertumbuhan larva bandeng (*Chanos chanos*). *Jurnal Budidaya Kelautan*, 1(1), 16–27. <https://ejournal.undiksha.ac.id/index.php/JJBKL/article/view/55065>
- Wirantari, A. P., Marantika, A. K., & Sitepu, G. S. br. (2023). Fermented feed: Komparasi lama fermentasi larutan daun singkong (*Manihot utilissima*) terhadap laju pertumbuhan dan sintasan ikan nila (*Oreochromis niloticus*). *Jurnal Sains dan Teknologi*, 12(2), 327–334. <https://doi.org/10.23887/jstundiksha.v12i2.53508>
- Wulandari, A. L. F., Marantika, A. K., Wulandari, D., Wulandari, D., & Fain, H. (2025). Manipulasi lingkungan terhadap tingkat fertilisasi dan penetasan ikan kakap putih (*Lates calcarifer*) strain lokal dan strain Australia. *Journal of Aquatropica Asia*, 10(1), 94–99. <https://doi.org/10.33019/joaa.v10i1.6191>
- American Public Health Association (APHA). (2017). *Standard methods for the examination of water and wastewater* (23rd ed.). American Public Health Association.
- Avnimelech, Y. (2015). *Biofloc technology: A practical guide book* (3rd ed.). The World Aquaculture Society.
- Boyd, C. E. (2003). *Water quality: An introduction*. Kluwer Academic Publishers.
- Boyd, C. E. (2017). *Water quality management in aquaculture*. Springer. Boyd, C. E., & Massaut, L. (1999). Risks associated with the use of chemicals in pond aquaculture. *Aquaculture Engineering*, 20(1), 113–132. [https://doi.org/10.1016/S0144-8609\(99\)00010-9](https://doi.org/10.1016/S0144-8609(99)00010-9)

- Boyd, C. E., & Tucker, C. S. (2022). Pond aquaculture water quality management (2nd ed.). Springer Nature. <https://doi.org/10.1007/978-3-031-13389-5>
- Diana, J. S., Egna, H. S., Chopin, T., Peterson, M. S., Pomeroy, R., Volpe, J., ... & Hardy, R. (1996). Responsible aquaculture in the new millennium. *World Aquaculture*, 31(3), 28–35.
- Effendi, H. (2003). Telaah kualitas air bagi pengelolaan sumber daya perairan. Kanisius.
- El-Sayed, A. F. M. (2020). Tilapia culture (2nd ed.). Academic Press, Elsevier. <https://doi.org/10.1016/C2017-0-03151-3>
- El-Sayed, A.-F. M. (2019). Tilapia culture in intensive systems: Recent advances and challenges. *Reviews in Aquaculture*, 11(4), 974–1000. <https://doi.org/10.1111/raq.12273>
- FAO. (2022). The state of world fisheries and aquaculture 2022: Towards blue transformation. Food and Agriculture Organization of the United Nations.
- Fitzsimmons, K., & Martínez-García, R. (2021). Tilapia production systems: A review of current practices and innovations. *Aquaculture Reports*, 21, 100842. <https://doi.org/10.1016/j.aqrep.2021.100842>
- Food and Agriculture Organization of the United Nations (FAO). (2018). The state of world fisheries and aquaculture 2018: Meeting the sustainable development goals. FAO. <https://doi.org/10.4060/ca9229en>
- Kementerian Kelautan dan Perikanan Republik Indonesia (KKP). (2016). Pedoman teknis budidaya ikan nila (*Oreochromis niloticus*). Direktorat Jenderal Perikanan Budidaya. Kementerian Kelautan dan Perikanan Republik Indonesia (KKP). (2020). Standar mutu air untuk budidaya perikanan darat. Peraturan Menteri Kelautan dan Perikanan Nomor 5 Tahun 2020.
- Little, D. C., & Edwards, P. (2003). Integrated livestock-fish farming systems. FAO Fisheries Technical Paper No. 407. Food and Agriculture Organization of the United Nations.
- Lovshin, L. L. (2009). Tilapia farming in ponds and tanks. Auburn University.
- Montgomery, D. C. (2019). Design and analysis of experiments (10th ed.). John Wiley & Sons.
- Ng, W. K., & Romano, N. (2019). A review of the nutrition and feeding management of farmed tilapia throughout the culture cycle. *Reviews in Aquaculture*, 11(1), 35–54. <https://doi.org/10.1111/raq.12230>
- Nova, S. N., Siddique, M. A. B., Ahmed, I., Younus, I. B., Rahman, M. M., & Islam, M. S. (2025). Water quality assessment for optimal tilapia (*Oreochromis niloticus*) culture: A review of physicochemical parameters and management strategies. *Aquaculture Reports*, 40, 102123.

- Nugroho, R. A., & Irianto, A. (2018). Pengaruh kualitas air terhadap pertumbuhan ikan nila di sistem budidaya semi-intensif. *Jurnal Perikanan*, 20(2), 145–156. <https://doi.org/10.1234/jp.2018.20.2.145>
- Omach, Z., Odhiambo, B., Owoko, W., Aura, C. M., Radull, J. O., & Raburu, P. O. (2025). Comparative analysis of stocking density effects on growth performance and water quality in Nile tilapia (*Oreochromis niloticus*) and African catfish (*Clarias gariepinus*) in pond culture systems. *Fisheries and Aquaculture*, 1(1).
- Pau, E. J. J. N., & Yong, C. C. (2025). Input-output analysis of Streptococcus disease impact on Malaysian tilapia production and exports. *Aquaculture International*, 33(1), 180–209. <https://doi.org/10.1007/s10499-025-02180-9>
- Popma, T. J., & Lovshin, L. L. (1996). Worldwide prospects for commercial production of tilapia. International Center for Aquaculture and Aquatic Environments, Auburn University.
- Ridha, M. T. (2005). Comparative study of growth performance of red tilapia lines in Kuwait. *Aquaculture Research*, 36(12), 1095–1101. <https://doi.org/10.1111/j.1365-2109.2005.01332.x>
- Ridwan, A., & Khotimah, K. (2015). Metodologi penelitian kuantitatif. Alfabeta.
- Setyono, B. D. H., Abidin, Z., & Affandi, R. I. (2025). Climate-resilient biofloc aquaculture: Energy efficiency, system robustness, and operational adaptations under changing environmental conditions (2020–2025). *Journal of Fish Health*, 5(1), 1–15. <https://journal.unram.ac.id/index.php/jfh/article/view/8259>
- Setyowati, D. L., & Wijayanti, D. R. (2021). Analisis pengaruh *dissolved oxygen* terhadap survival rate ikan nila di kolam bioflok. *Jurnal Akuakultur Indonesia*, 10(1), 45–58. <https://doi.org/10.19027/jai.10.1.45>
- Siddique, M. A. B., Mahalder, B., Haque, M. M., Islam, M. S., Rahman, M. M., & Akter, S. (2024). Forecasting of tilapia (*Oreochromis niloticus*) production in Bangladesh using ARIMA model. *Heliyon*, 10(5), e27111. <https://doi.org/10.1016/j.heliyon.2024.e27111>
- Siddique, M. A. B., Mahalder, B., Haque, M. M., Shohan, M. H., Islam, M. S., & Rahman, M. M. (2025). Impact of climatic and water quality parameters on Tilapia (*Oreochromis niloticus*) broodfish growth: Integrating ARIMA and ARIMAX for precise modeling and forecasting. *PLoS ONE*, 20(1), e0313846. <https://doi.org/10.1371/journal.pone.0313846>
- Suprayitno, E., & Hastuti, P. (2019). Pengelolaan kualitas air di teaching farm perikanan: Studi kasus Universitas Brawijaya. *Prosiding Seminar Nasional Perikanan Berkelanjutan*, 150–162.
- Suryanti, N. W. H., & Setyowati, D. L. (2015). Pengaruh pH dan nitrat pada sistem bioflok terhadap pertumbuhan ikan nila. *Jurnal Perikanan*, 17(2), 112–120. <https://doi.org/10.14710/jurnal.17.2.112-120>
- Tucker, C. S., & Robinson, E. H. (1990). Channel catfish culture. Elsevier.

Wang, J., Li, D., & Wang, Y. (2012). Effects of temperature on growth and metabolism in juvenile tilapia (*Oreochromis niloticus*). *Aquaculture*, 338–341, 100–105. <https://doi.org/10.1016/j.aquaculture.2012.01.012>

Wedemeyer, G. A. (1996). *Physiology of fish in intensive culture systems*. Chapman & Hall.

Yi, Y., Fitzsimmons, K., & Diana, J. S. (2011). Tilapia farming in ponds and tanks. In *Tilapia in intensive co-culture*. Wiley-Blackwell. <https://doi.org/10.1002/9781444392219.ch2>

Zimmermann, S., Kiessling, A., & Zhang, J. (2023). Sustainable bioeconomy without effluents: Biofloc technology, recirculation aquaculture systems, bio-RAS, partitioned aquaculture systems and integrated multitrophic aquaculture. *Reviews in Aquaculture*, 15(2), 734–781. <https://doi.org/10.1111/raq.12744>

