



## DAFTAR PUSTAKA

- Adelina. 1999. Pengaruh Pakan dengan Kadar Protein dan Rasio Energi Protein Yang Berbeda Terhadap Pertumbuhan Benih Ikan Bawal Air Tawar (*C. macropomum*). Tesis Pascasarjana : Institut Pertanian Bogor.
- Afrianto, E. dan E. Liviawaty. 2005. Pakan Ikan. Kanisius. Yogyakarta.
- Akiyama, D. M., W. G. Dominy, and A. L. Lawrence. 1991. Penaid shrimp nutrition for the commercial feed industry. In. Proceedings of the Aquaculture Feed Processing and Nutrition Workshop, Thailand and Indonesia. September 19-25, 1991 (Akiyama, D. M. and Tan, R. K. H. Eds). American Saybean Association Singapore, p : 80-89.
- Amri, K. dan Khairuman, 2003. Budidaya Ikan Nila Secara Intensif. Agromedia Pustaka, Depok.
- Bairagi, A., Sarkar Ghosh, K., Ray, A.K., Sen, S.K., 2002. Duckweed (*Lemna polyrhiza*) leaf meal as a source of feedstuff in formulated diets for rohu (*Labeo rohita* Ham.) fingerlings after fermentation with a fish intestinal bacterium. Bioresource Technology Journal 85 : 17–24.
- Bake, G. G., E. I. Martins, and S. O. E. Sadiku. 2014. Nutritional Evaluation of Varying of Cooked Flamboyant Seed Meal (*Delonix regia*) on the Growth Performance and Body Composition of Nile tilapia (*Oreochromis niloticus*) Fingerlings. Journal of Agriculture, 3(4): 233-239.
- Balai Penelitian Tanaman Aneka Kacang dan Umbi. 2018. [balitkabi.litbang.pertanian.go.id](http://balitkabi.litbang.pertanian.go.id). di akses pada tanggal 12 – 11 – 2018 pukul 11.57 WIB
- Banerjee, A. And S. Matai. 1990. Composition of India Aquatic Plants in Relation to utilization as animal forage. J. Aquat. Plant Manage. 28: 69-73.
- BBAT Sukabumi. 2005. Kandungan Nutrisi Ikan Nila. SNI02-3151-2005. Sukabumi. Jawa Barat
- Diansari, RR., Vanya R., Endang A. dan Tita E. 2013. Pengaruh Kepadatan yang Berbeda Terhadap Kelulushidupan dan Pertumbuhan Ikan Nila (*Oreochromis niloticus*) Pada Sistem Resirkulasi Dengan Filter Zeolit. Universitas Diponegoro. Semarang.
- Effendie, M.I. 1997. Biologi Perikanan. Yayasan Pustaka Nusantara, Yogyakarta, 163 hlm.
- Effendi, H., 2003. Telaah Kualitas Air bagi Pengelolaan Sumber Daya dan Lingkungan Perairan. Kanisisus. Yogyakarta.
- Ge, X., Zhang, N., Phillips, G. C., & Xu, J. 2012. Growing *Lemna minor* in agricultural wastewater and converting the duckweed biomass to ethanol. Bioresource Technology, 124, 485-488. <http://dx.doi.org/10.1016/j.biortech.2012.08.050>
- Ghufran M. dan Kordi H. 2010. Budidaya Ikan Nila di Kolam Terpal. Andi. Yogyakarta.
- Ghufran, H. M. dan Kordi K. 2013. Budidaya Nila Unggulan. PT Agromedia. Jakarta.
- Gusrina. 2008. Budidaya Ikan. Departemen Pendidikan Nasional. Jakarta.
- Handajani, H. dan Widodo, W. 2010. Nutrisi Ikan. UMM Press. Malang.
- Hariadi, B.A.H. dan Untung, S. 2005. Evaluasi Efisiensi Pakan dan Efisiensi Protein pada Ikan Karper Rumput (*Ctenoharyngodon idella* Val.) yang diberi Pakan dengan Kadar Karbohidrat dan Energi yang Berbeda. Lipi. Ichtyos, Vol.4, No. 2, Juli 2005 <http://jurnal.pdii.lipi.go.id/admin/jurnal/42058792.pdf>



- Hassan, M. S., & Edwards, P. 1992. Evaluation of duckweed (*L. perpusilla* and *Spirodela polyrriza*) as feed for Nile tilapia (*Oreochromis niloticus*). Aquaculture, 104, 315-326. [http://dx.doi.org/10.1016/0044-8486\(92\)90213-5](http://dx.doi.org/10.1016/0044-8486(92)90213-5)
- Hepher, B. 1988. Nutrition on Pond Fisheries. Cambridge University Press. Cambridge USA, 388 pp.
- Hoar, W.S., Randal, D.J., dan Brett, J.R. 1979. Fish Physiology. Academic Press. New York.
- Ice, J., & Couch, R. 1987. Nutrient absorption by duckweed. Journal of Aquatic Plant Management, 25, 30-31.
- Journey, W. K., Skillicorn, P., & Spira, W. (1991). Duckweed Aquaculture – A New Aquatic Farming System for Developing Countries (p. 76). The World Bank, Washington, DC.
- Kesaano, M. 2011. Sustainable Management of Duckweed Biomass Grown for Nutrient Control in Municipal Wastewaters. All Graduate Theses and Dissertations, Paper 879. Utah State University.
- Khairuman dan Amri. 2002. Membuat Pakan Ikan Konsumsi. Agro Media Pustaka. Jakarta. 83 hal.
- Khang, N. T. K. 2003. Use of duckweed (*Lemna minor*) as a protein supplement for local (Tau Vang) chicks, and growing and laying hens (MSc Thesis, MEKARN-SLU). Retrieved from <http://www.mekarn.org/MSc/theses03/khanlitr.htm>
- Kordi, K. M. Ghufran. 2004. Penanggulangan Hama dan Penyakit Ikan. Cetakan Pertama. PT Rineka Cipta. Jakarta
- Kordi, G. 2009. Budidaya Perairan. PT. Citra Aditya Bakti. Bandung.
- Lal, M. And N. N. Pathak. 1988. Aquatic Weeds (*Lemna* and *Hydrilla*) as livestock Feed. Indian J. Of animal Nutrition, 5: 4, 329 – 332.
- Landesman, L, N. C. Parker, C. B. Fedler, and M. Konikof. 2005. Modeling duckweed growth in wastewater treatment systems. Livestock Research for Rural Development, 17 (6) 2005.
- Lesel, R., Fromageot, C., Lesel, M., 1986. Cellulose digestibility in grass carp. *Ctenopharyngodon idella* and in goldfish, *Carassius auratus*. Aquaculture 54, 11–17.
- Leng, R.A., Stambolie, J.H. and Bell, R. 1995. Duckweed- a potential high-protein feed resource for domestic animals and fish. AAAP Conf. Proc., Bali, pp. 103-114.
- Lovell. 1989. Nutrition and Feeding of Fish. Van Nostrand Reinhold, New. York.
- Men, B. X., Ogle, B., & Preston, T. R. (1996). Duckweed (*Lemna spp*) as replacement for roasted soya beans in diets of broken rice for fattening ducks on a small scale farm in the Mekong delta. Livestock Research for Rural Development, 8, 3. Retrieved June 25, 2014, from <http://www.cipav.org.co/lrrd8/3/men831>
- Millamena, M.O, R.m. Coloso and F.P. Pascual. 2002. Nutrition in Tropical Aquaculture, Essential of Fish Nutrition, Feeds and Feeding of Tropikal Aquatic Species. Aquaculture Departemen, Southeast Asian Fisheries Development Center, Tingbauan. Illoilo, Philipines.
- Mwale, M., & Rumosa Gwaze, F. 2013. Characteristics of duckweed and its potential as feed source for chickens reared for meat production: A review. Scientific Research and Essays, 8, 689-697.
- Negesse, T. H., Makkar, P. S., & Becker, K. 2009. Nutritive value of some non-conventional feed resources of Ethiopia determined by chemical analyses and



- an in vitro gas method. Animal Feed Science and Technology, 154, 204-217. <http://dx.doi.org/10.1016/j.anifeedsci.2009.09.010>
- Novriadi, R and Davis, D.A. 2017. Research Update: Development of Plant-based Diets for Florida pompano *Trachinotus carolinus*. 7th International Conference of Aquaculture Indonesia (ICAI) 2017, Edisi 67 Tahun VI 15 Desember 2017 – 14 Januari 2018 Solo, Indonesia dok. Trobos
- NRC (National Research Council). 1993. Nutrient Requirements of Warmwater Fishes and Shellfishes. National Academic of Science. Washington DC.
- Nugroho, E., Rustadi, Dwijo P., Hery Sulistyo, Susila, Sunaryo, dan Bagus Wasito. 2014. Penurunan keragaman genetik pada F-4 nila merah nilasa “Cangkringan” hasil pemuliaan dideteksi dengan marker genetik. Jurnal Riset Akuakultur. 9 (1): 25-30.
- Nur, A. Dan Arifin, Z. 2004. Nutrisi dan Formulasi Pakan Ikan. Departemen Kelautan dan Perikanan. Balai Besar Pengembangan Budidaya Air Payau Jepara.
- Olaniyi, C. O. and I. O. Oladunjoye. 2012. Replacement Value of Duck Weed (*Lemna Minor*) in Nile Tilapia (*Oreochromis niloticus*) Diet. Transnational Journal of Science and Technology, 2(9):54-62.
- Ovie S. O., and Eze S. S. 2013. Lysine Requirement And Its Effect On Body Composition of *Oreochromis niloticus* Fingerlings. Journal of Fisheries and Aquatic Science, 8(1):94-100.
- Pandey, G. 2013. Feed Formulation and Feeding Technology for Fishes. International Research Journal for Pharmacy ISSN 2230-8407. The Nanaji Deshmukh Veterinary Science University. India.
- Pechsiri, J. dan Yakupitiyage, A. 2005. A Comparative Study of Growth and Feed Utilization Efficiency of Sex-reversed Diploid and Triploid Nile tilapia, *Oreochromis niloticus* L. Aquaculture Research 36: 45-51.
- Richard A. Howard. 2017. [https://plants.usda.gov/java/usageGuidelines?imageID=lemna\\_001\\_ahp.tif](https://plants.usda.gov/java/usageGuidelines?imageID=lemna_001_ahp.tif)
- Rukmana, R. 1997. Ikan Nila Budidaya dan Prospek Agribisnis. Kanisius. Yogyakarta.
- Rusoff LL, EW Blakeney, and DD Culey. 1980. Duckweeds (Lemnaceae Family): A potential source of protein and Amino Acids. J. Agric. Food Chem. 28: 848-850.
- Rustadi. 2000. Pengembangan rancangan bangun keramba jaring apung yang ramah lingkungan untuk budidaya nila merah nilasa (*Oreochromis sp.*) di perairan waduk. Laporan Penelitian DIK-S UGM. Yogyakarta.
- Rustadi. 2018. Manajemen Akuakultur Tawar. Gadjah Mada University Press. Yogyakarta.
- Saanin. 1984. Taksonomi dan Kuntji Identifikasi Ikan. Binacipta, Bandung.
- Samnang, H. 1999. Duckweed versus ground soya beans as supplement for scavenging native chickens in an integrated farming system. Livestock Research for Rural Development, 11, 1. Retrieved May 29, 2014, from <http://ftp.sunet.se/wmirror/www.cipav.org.co/lrrd/lrrd11/1/sam111.htm>
- SNI. 2006. SNI 01-7242-2006 Pakan Buatan untuk Ikan Nila (*Oreochromis spp.*) pada Budidaya Intensif. Badan Standarisasi Nasional. Jakarta.
- SNI. 2009. SNI 6141:2009. Produksi Benih Ikan Nila Hitam (*Oreochromis niloticus Bleeker*) Kelas Benih Sebar. Badan Standarisasi Nasional. Jakarta.
- Sucipto, A. dan Prihartono. 2005. Pembesaran Nila Merah Bangkok. Penebar Swadaya. Jakarta.



Sugiarto. 1988. Nila. Penebar Swadaya. Jakarta.

Trewavas, E., 1982. Tilapias: taxonomy and speciation. p. 3-13. In R.S.V. Pullin and R.H. Lowe-McConnell (eds.) The biology and culture of tilapias. ICLARM Conf. Proc. 7.

Webster C. D. and C. Lim. 2002. Nutrien Requirement and Feeding of Finfish for Aquaculture. Aquaculture Research Center. Kentucky State University.

Wedge, R. M. and Burris, J.E. 1982. Effect of light and temperature on duckweed photosynthesis. Aquatic Botany 13:133-140.

Yilmaz, E., Akurt, I., & Gunal, G. 1994. Use of duckweed, *Lemna minor*, as a protein feedstuff in practical diets for common carp, *Cyprinus carpio*, fry. Turkish Journal of Fish. Aquatic Science, 4, 105-109.

Zonneveld, N., E. A. Huisman dan J. H. Boon. 1991. prinsip-prinsip budidaya ikan. Terjemahan. PT. Gramedia Pustaka Utama. Jakarta. 318p.