

## DAFTAR PUSTAKA

- Agustiyan, D., R.M. Kayadoe, & H. Imamuddin. 2010. Oksidasi nitrit oleh bakteri heterotrofik pada kondisi aerobik. *Jurnal Biologi Indonesia* 6(2): 265-275.
- Akinsanya, M.A., J.K. Goh, S.P. Lim, & A.S.Y. Tang. 2015. Metagenomics study of endophytic bacteria in *Aloe vera* using next-generation technology. *Genomics Data* 6: 159-163.
- Al-Harbi, A. & M. Uddin. 2010. Bacterial Populations of African Catfish, *Clarias gariepinus* (Burchell 1822) Cultured in Earthen Ponds. *Journal of Applied Aquaculture* 22: 187-193.
- Alfiansah, Y.R., C. Hassenruck, A. Kunzmann, A. Taslihan, J. Harder, & A. Gardes. 2018. Bacterial abundance and community composition in pond water from shrimp aquaculture system with different stocking densities. *Frontiers in Microbiology* 9(2457):1-15.
- Allameh, S.K., V. Noaman, & R. Nahavandi. 2017. Effects of probiotic bacteria on fish performance. *J. iMedPub Advanced techniques in clinical microbiology* 1 (2): 1-5.
- Almanza, V., O. Parral, C.E.de.M. Bicudo, C. Baezal, J. Beltran, R. Figueroal, & R. Urrutia. 2016. Occurrence of toxic blooms of *Microcystis aeruginosa* in a central Chilean (36° Lat. S) urban lake. *Revista Chilena de Historia Natural* 89: 8.
- Andriani, A., A. Damar, M.F. Rahardjo, C.P.H. Simanjuntak, A. Asriansyah, & R.M. Aditriawan. 2017. Kemelimpahan fitoplankton dan perannya sebagai sumber makanan ikan di Teluk Pabean, Jawa Barat. *J Sumberdaya Akuatik Indopasifik* 1(2): 133-144.
- Anetekhai, M.A., E.O. Clarke, O.A. Osodein, & M.T. Dairo. 2018. Physical, chemical parameters and plankton in a tropical earthen pond catfish farm in Badagry, Nigeria. *Int. J. Fish. Aquac.* 10(6): 71-76.
- Anis, M.Y. & D. Hariani. 2019. Pemberian pakan komersial dengan penambahan EM4 (*Effective Microorganisme* 4) untuk meningkatkan laju pertumbuhan lele (*Clarias* sp.). *Jurnal Riset Biologi and Aplikasinya* 1(1): 1-8.
- Apriliyanti, S., T. R. Soeprbowati, & B. Yulianto. 2016. Hubungan Kemelimpahan *Chlorella* sp dengan Kualitas Lingkungan Perairan pada Skala Semi Masal di BBBPBAP Jepara. *J Ilmu Lingkungan*, 14(2): 77-81.
- Apriyani, I. 2017. Budidaya Ikan Lele Sistem Bioflok: Teknik Pembesaran Ikan Lele Sistem Bioflok kelola mina pembudidaya. Deepublish. Yogyakarta.
- Arief, M., N. Fitriani, & S. Subekti. 2014. Pengaruh pemberian probiotik berbeda pada pakan komersial terhadap pertumbuhan dan efisiensi pakan ikan lele sangkuriang (*Clarias* sp.). *Jurnal Ilmiah Perikanan dan Kelautan* 6(1): 49-53.
- Augusta, T.S. 2017. Pengaruh pemberian probiotik EM4 terhadap pertumbuhan ikan lele sangkuriang (*Clarias gariepinus* var) yang dipelihara di kolam terpal. *J. Ilmu Hewani* 6 (2): 69-72.
- Augusta, T.S. 2017. Pengaruh pemberian probiotik em4 terhadap pertumbuhan ikan lele sangkuriang (*Clarias gariepinus* Var ) yang dipelihara di kolam terpal. *Jurnal Ilmu Hewani Tropika* 6(2): 69-72.
- Azhar, M.H., M.F. Ulkhaq, Suciyo, & Prayogo. 2017. Kemelimpahan dan keanekaragaman bakteri pada pembenihan ikan lele (*Clarias gariepinus*) dengan sistem air tertutup (*Close water system*). *J Aquaculture Science* 2(4): 81-89.
- Barus, T.A. 2002. Pengantar Limnologi. USU Press. Medan.
- Barus, T.A. 2004. Pengantar Limnologi Studi Tentang Ekosistem Air Daratan. USU Press. Medan.

- Barzon, L., E. Lavezzo, V. Milirello, S. Toppo, & G. Palu. 2011. Applications of next-generation sequencing technologies to diagnostic virology. *Int J. Mol Sci* 12(11): 7861-7884.
- Bentzon-Tilia, M., E. Sonnenschein & L. Gram. 2016. Monitoring and managing microbes in aquaculture – Towards a sustainable industry. *J Microbial Biotechnology* 9 (5): 576-584.
- Beristain, B.T. 2005. Organic matter decomposition in simulated aquaculture ponds. PhD thesis, Fish Culture and Fisheries Group, Department of Animal Science, Wageningen University, The Netherlands.
- Borges, N., T. Keller-Costa, G.M.M. Sanches-Fernandes, A. Louvado, N.C.M. Gomes, R. Costa. 2020. Bacteriome Structure, Function, and Probiotics in Fish Larviculture: The Good, the Bad, and the Gaps. *Annu Rev Anim Biosci*. 15:17 doi: 10.1146/annurev-animal-062920-113114
- Boyd, C. E. 2014. Silicon diatoms in aquaculture. *Global Aquaculture Advocate* 17: 38–39.
- Boyd, C.E. 1982. *Water Quality Management for Pond Fish Culture*. Elsevier, Amsterdam.
- Bukin, Y.S., Y.P. Galschyants, I.V. Morozov, S.V. Bukin, A.S. Zakharenko, & T.I. Zemskaya. 2019. The effect of 16S rRNA region choice on bacterial community metabarcoding result. *Scientific Data* 6(190007): 1-14.
- Burson, A., M. Stomp, E. Greenwell, J. Grosse, J. Huisman. 2018. Competition for nutrients and light: testing advances in resource competition with a natural phytoplankton Community. *Ecology: Ecological Society of America* 99(5): 1108-1118.
- Chithambaran, S., M. Harbi, M. Broom, K. Khobrani, O. Ahmad, H. Fattani, A. Sofyani, & N. Ayaril. 2017. Green water technology for the production of pacific white shrimp *Penaeus vannamei* (Boone, 1931). *J Fish* 64 (3): 43-49.
- Chukwu, M.N. & E.S. Afolabi. 2017. Phytoplankton abundance and distribution of fish earthen ponds in Lagos, Nigeria. *J Appl Sci Environ Manage* 21(7): 1245-1249.
- Crab, R., T. Defoirdt, P. Bossier, & W. Verstraete. 2012. Biofloc technology in aquaculture: Beneficial effects and future challeges. *J Aquaculture* 356-357:351-356.
- Cremen, M.C.M., M.R. Martinez-Goss, V.L. Corre Jr, & R.V. Azanza. 2007. Phytoplankton bloom in commercial shrimp ponds pusing green-water technology. *J Applied Phycology* 19: 615-624.
- Cruz, P.M., A.L. Ibanez, O.A.M. Hermosillo, & H.C.R. Saad. 2012. Use of Probiotics in Aquaculture. *ISRN Microbiol* 2012: 916845.
- de Lourdes, F.M.M., R.R.M.D. Josefina, M.M.C. Ulises, & M.R.A. de Jesus. 2017. Tolerance and nutrients consumption of *Chlorella vulgaris* growing in mineral medium and real wastewater under laboratory conditions. *Open Agriculture* 2(1): 394-400.
- Dirjen Perikanan Budidaya KKP. 2016. Peta Sentra Produksi Perikanan Budidaya. Direktorat Produksi dan Usaha Budidaya, Direktorat Jendral Perikanan Budidaya, Kementrian Kelautan dan Perikanan.
- Duarte, L.N., F.J.C. Coelho, D.F.R. Cleary, D. Bonifacio, P. Martins, & N.C.M. Gomes. 2019. Bacterial and microeukaryotic plankton communities in a semi-intensive aquaculture system of sea bass (*Dicentrarchus labrax*): A seasonal survey. *J Aquaculture* 503: 59-69.
- Effendi, H. 2003. *Telaah Kualitas Air, Bagi Pengelolaan Sumber Daya dan Lingkungan Perairan*. Kanisius. Yogyakarta.
- Ekasari, J. 2009. Teknologi bioflok: teori dan aplikasi dalam perikanan budidaya sistem intensif. *J Akuakultur Indonesia* 8 (2): 117-126.

- Eldor, A. 2015. Soil microbiology, ecology, and biochemistry (4th ed.). Chapter 14. Elsevier, Amsterdam.
- Fan, L.M., K. Barry, G.D. Hu, S.L. Meng, C. Song, W. Wu, J.Z. Chen, P. Xu. 2015. Bacterioplankton community analysis in tilapia ponds by Illumina high-throughput sequencing. *World J Microbiol Biotechnol* 32:10 DOI 10.1007/s11274-015-1962-7
- FAO. 1996. Artificial Reproduction and Pond Rearing of the African Catfish *Clarias Gariepinus* in Sub-Saharan Africa - A Handbook. FAO, Rome.
- Fauji, H., T. Budiardi, & J. Ekasari. 2018. Growth performance and robustness of African Catfish *Clarias gariepinus* (Burchell) in biofloc-based nursery production at different stocking densities. *J Aquaculture Research* 49 (3):1339-1346.
- Flint, H.J. & S.H. Duncan. 2014. Bacteroides and Prevotella in: *Encyclopedia of Food Microbiology*. Academic Press. Cambridge.
- Ganguly, S. & A. Prasad. 2012. Microflora in fish digestive tract plays significant role in digestion and metabolism. *Rev. Fish Biol Fisheries* 22: 11-16.
- Gao, H., S. Zhang, R. Zhao, L. Zhu. 2018. Plankton community structure analysis and water quality bioassessment in Jiulong Lake. *IOP Conf. Ser.: Earth Environ. Sci.* 199 022031
- Gatlin III, D.M. & A.M. Peredo. 2012. Prebiotics and Probiotics: Definitions and applications. *SRAC Publication No. 4711*: 1-8.
- Gómez, G.D & J.L. Balcázar. 2008. A review on the interactions between gut microbiota and innate immunity of fish. *FEMS Immunol Med Microbiol.* 52:145–154. doi: 10.1111/j.1574-695X.2007.00343.x.
- Gomez, G.D. & J.L. Balcazar. 2008. A review on the interactions between gut microbiota and innate immunity of fish. *FEMS Immunol Med Microbiol* 52: 145–154.
- Gusmawati and Deswati, L. 2018. Community structure, phytoplankton density and physical-chemical factor of batang palangki waters of sijunjung regency, west sumatera. *IOP Conference Series: Earth and Environmental Science* 130, 012023.
- Han S, Zhang Z, & Yu L. 2003. Using chlorella and effective microorganisms to optimize aquatic ecological structure and to regulate water quality. *Ying Yong Sheng Tai Xue Bao* 14(1):101-4. Chinese. PMID: 12722449.
- Handayani, D.I.W. & D. Kartikawati. 2015. Stiklele alternatif diversifikasi olahan lele (*Clarias* sp.) tanpa limbah berkalsium tinggi. <<http://jurnal.untagsmg.ac.id/index.php/sa/article/view/148>> (diakses 30 Juni 2019).
- Handayani, S. & M.P. Patria. 2005. Komunitas zooplankton di perairan Waduk Krenceng, Cilegon, Banten. *J Makara Sains* 9(2): 75-80.
- Hardi, E.H., R.A. Nugroho, G. Saptiani, R. Sarinah, M. Agriandini, & M. Mawardi. 2018. Identification of potentially pathogenic bacteria from tilapia (*Oreochromis niloticus*) and channel catfish (*Clarias batrachus*) culture in Samarinda, East Kalimantan, Indonesia. *Biodiversitas* 19(2): 480-488.
- Hardianto dan M. Azim. 2012. Mikroalga: Sumber Pangan dan Energi Masa Depan. UNDIP Press. Semarang.
- Heddy, S. 1994. Pengantar Ekologi. Rajawali Press. Jakarta.
- Hermawan, A.T., Iskandar, & U. Subhan. 2012. Pengaruh padat tebar terhadap kelangsungan hidup pertumbuhan lele dumbo (*Clarias gariepinus* Burch.) di kolam Kali Menir Indramayu. *J Perikanan dan Kelautan* 3(3): 85-93.
- Hesti, P., A. Damar, & S. Sulistiono. 2018. Phytoplankton community structure in the Estuary of Donan River, Cilacap, Central Java, Indonesia. *J Biological Diversity* 19(6): 2104-2110.

- Hoang, H.T.T, T.T. Duong, K.T. Nguyen, Q.T.P. Le, M.T.N. Luu, D.A. Trinh, A.H. Le, C.T. Ho, K.D. Dang, J. Nemery, D. Orange, & J. Klien. 2018. Impact of anthropogenic activities on water quality and plankton communities in the Day River (Red River Delta, Vietnam). *Environ Monit Assess* 190: 67.
- Ishaq, T. & B. Ali. 2018. Risk assessment and biofilm formation of bacterial communities associated with drinking water distribution system. *J. Environmental Biology* 39(5): 693-701.
- Islam, H., Md. Alamin, Md. S. Hasan, S. Mondal, & Md. M.M. Hossain. 2017. Fish culture in indoor-tank using greenwater technology. *J Entomology and Zoology Studies* 5 (6): 2498-2502.
- Ismail, A.H. & A.A.M. Adnan. 2016. Zooplankton Composition and Abundance as Indicators of Eutrophication in Two Small Man-made Lakes. *Trop. Life Sci. Res.* 27(1): 31-38.
- Janda, J.M & S.L. Abbott. 2007. 16S rRNA Gene sequencing for bacterial identification in the diagnostik laboratoris: pluses, periksa, and pitfalls. *J Clin Microbiol* 45(9): 2761-2764.
- Junaidi, M., Nurliah, & F. Azhar. 2018. Community structure of phytoplankton and its relationship to waters quality in Lombok Strait, North Lombok District, West Nusa Tenggara, Indonesia. *International Journal of Oceans and Oceanography* 12(2): 159-172.
- Kan, H., Zhao F., Zhang X.X., Ren H., & Gao S. 2015. Correlations of gut microbial community shift with hepatic damage and growth inhibition of *Carassius auratus* induced by pentachlorophenol exposure. *Environ Sci Technol* 49:11894–11902
- Kumar, B., & A. Sinha. 2014. Microcystis Toxic Blooms In Fish Culture Ponds And Their Biological And Chemical Control. *International J of scientific & technology research* 3(3): 398.
- Kunarso, D.H. & T.I. Agustin. 2012. Kajian bakteri heterotropik di perairan Laut Lameira. *J. Ilmu Kelautan* 17(2): 63-73.
- Kusuma, R.W.A., & E. Zulaika. 2014. Potensi *Chlorella* sp. sebagai bioakumulator logam berat Kadmium. *J Sains dan Seni Pomits* 3(2).
- Lehman, P.W., S.J. Teh, G.L. Boyer, M.L.Nobriga, E. Bass, & C. Hogle. 2010. Initial impacts of *Microcystis aeruginosa* blooms on the aquatic food web in the San Francisco Estuary. *Hydrobiologia* 637: 229–248.
- Li, X., Q. Yan, S. Xie, W. Hu, Y. Yu, & Z. Hu. 2013 Gut Microbiota Contributes to the Growth of FastGrowing Transgenic Common Carp (*Cyprinus carpio* L.). *Plos One* 8(5): e64577.
- Lliros, M., O. Inceoglu, T. Garcí'a-Armisen, A. Anzil, B. Leporcq, L. Pigneur, L. Viroux, F. Darchambeau, J. Descy, & P. Servais. 2014. Bacterial community composition in three freshwater reservoirs of different alkalinity and trophic status. *PLoS ONE* 9(12): e116145.
- Lodang, H. & N. Kurnia. 2019. Distribution and abundance of plankton in The Downstream of Jeneberang Rive. *J Physics Conference Series* 1244: 012011.
- Maejima Y, Kushimoto K, Muraguchi Y, Fukuda K, Miura T, Yamazoe A, Kimbara K, Shintani M. 2018. Proteobacteria and Bacteroidetes are major phyla of filterable bacteria passing through 0.22 µm pore size membrane filter, in Lake Sanaru, Hamamatsu, Japan. *Biosci Biotechnol Biochem* 82(7):1260-1263.
- Mahyuddin, K. 2011. Panduan Lengkap Agribisnis Lele. Penebar Swadaya. Jakarta.
- Mahyuddin, K. 2018. Panen Lele di Berbagai Wadah. Penebar Swadaya. Jakarta.
- Makmur, Rachmansyah, M. Fahrur. 2011. Hubungan keragaman fitoplankton dengan kualitas air di Pulau Bauluang, kabupaten Takalar, Sulawesi Selatan. *Prosiding Forum Inovasi Teknologi Akuakultur* 2011: 961-968.



- Mane, A.M., S.S. Pattanaik, R. Jadhav, & A.K. Jena. 2017. Pond Corporation , Interpretation and possible measures of rectification for sustainable aquaculture practice. *Aquacult Times* 3(3):6-9.
- Marín, I. 2014. Proteobacteria in: *Encyclopedia of Astrobiology*. Springer-Verlag. Heidelberg
- McGaraghan, A. 2018. Tiny Drifters: a guide to the phytoplankton along The California Coast. Kudela Biological and Satellite Oceanography Laboratory, University of California.
- Melki, A. Isnansetyo, Murwantoko & J. Widada. 2017. Penilaian Keanekaragaman Bakteri di Sungai Musi , Sumatera Selatan dengan Analisis T-RFLP Gen 16S rRNA Assessment of Microbial Diversity in Musi River , South Sumatra by T-RFLP Analysis of 16S rRNA Gene. *Prosiding Seminar Nasional Lahan Suboptimal*. Palembang. 505-515.
- Moersidik, S. & Hardjojo. 1998. *Water Analysis and Quality*. Karunika. Jakarta.
- Muhammad, W.N. & S. Andriyanto. 2013. Manajemen budidaya ikan lele dumbo (*Clarias gariepinus*) di kampung lele, kabupaten Boyolali, Jawa Tengah. *Media Akuakultur* 8(1): 63-72.
- Nahiduzzaman, Md., Md.A. Ehshan, B.R. Chowdhury, & Md.A.R. Mridha. 2000. Studies on bacterial flora in a farmed catfish, *Clarias hybrid*. *Pakistan Journal of Biological Sciences* 3(3): 429-432.
- Neori, A. 2013. *Greenwater Aquaculture The Largest Aquaculture Sector in The World*. <<https://www.was.org/magazine/ArticleContent.aspx?Id=903>> (diakses 26 Maret 2019).
- Nontji, A. 2008. *Plankton Laut*. LIPI Press. Jakarta.
- Novia, R., Adnan, I.R. Ritonga. 2016. Hubungan parameter fisika-kimia perairan dengan kelimpahan plankton di Samudera Hindia bagian Barat Daya. *Depik* 5(2): 67-76.
- Oberholster, P.J. 2004. *Microcystis aeruginosa*: source of toxic microcystins in drinking water. *African Journal of Biotechnology* 3: 159-168.
- Odum, E.P. 1996. *Environmental Accounting: Energy and environmental decision makin*. John Wiley and Sons, Inc. New York.
- Pablo H.C.G. de Sá, L.C. Guimares, D.A. das Gracas, A.A. de Oliveira Veras, D. Barh, V. Azevedo, A.L. da Costa da Silva, & R.T.J. Ramos. 2018. Next-generation sequencing and data analysis: strategies, tools, pipelines, and protocols. *Omics Technologies and Bio-Engineering*.
- Padmavathi, P., K. Sunitha, & K. Veeraiah. 2012. Efficacy of probiotics in improving water quality and bacterial flora in Diah ponds. *J Microbiology Research* 6(49): 7471-7478.
- Parulekar, N.N., P. Kolekar, A. Jenkins, S. Kleiven, H. Utkilen, A. Johansen, S. Sawant, U. Kulkarni-Kale, M. Kale, & M. Sæbø. 2017. Characterization of bacterial Community associated with phytoplankton bloom in a eutrophic lake in South Norway using 16S rRNA gene amplicon sequence analysis. *J PLoS ONE* 12(3): 1-23.
- Peraturan Pemerintah Republik Indonesia Nomor 82 Tahun 2001 Tentang Pengelolaan Kualitas Air dan Pengendalian Pencemaran Air.
- Pirzan, A.M., P.R. Pong-Masak. 2008. Hubungan Keragaman Fitoplankton dengan Kualitas Air di Pulau Bauluang, kabupaten Takalar, Sulawesi Selatan. *Biodiversitas* 9(3): 217-221.
- Pratiwi, E.D., C.J. Koenawan, A. Zulfikar. 2015. Hubungan kelimpahan plankton terhadap kualitas air di Perairan Malang Rapat Kabupaten Bintan Provinsi Kepulauan Riau. *Jurnal Umrah* 28:1-14.

- Qin, Y., J. Hou, M. Deng, Q. Liu, C. Wu, Y. Ji, X. He. 2016. Bacterial abundance and diversity in pond water supplied with different feeds. *Scientific Reports* 6:35232 DOI: 10.1038/srep35232
- Rahmatullah, M.S. Ali, & S. Karina. 2016. Keanekaragaman dan dominansi plankton di estuari Kuala Rigaih Kecamatan Setia Bakti Kabupaten Aceh Jaya. *Jurnal Ilmiah Mahasiswa Kelautan dan Perikanan Unsyiah* 1(3): 325-330.
- Sahu, M.K., N.S. Swarnakumar, K. Sivakumar, T. Thangradjou, & L. Kannan. 2008. Probiotics in aquaculture: importance and future perspectives. *Indian J. Microbiol* 48: 299-308.
- Sari, A.N, S. Hutabarat, & P. Soedarsono. 2014. Struktur komunitas plankton pada padang lamun di pantai Pulau Panjang, Jepara. *Diponegoro Journal of Maquares* 3(2): 82-91.
- Sari, D.P., S. Kamal, & N. Hanim. 2018. Komposisi jenis plankton di Danau Lut Tawar Kabupaten Aceh Tengah. *Prosiding Seminar Nasional Biotik*: 108-114.
- Sari, D.R., J.W. Hidayat & R. Hariyati. 2018. Struktur komunitas plankton di kawasan wana wisata Curug Semirang Kecamatan Ungaran Barat, Semarang. *Jurnal Akademika Biologi* 7(4): 32-37.
- Schleifer, K. 2009. Firmicutes in: *Bergey's Manual of Systematic Bacteriology Volume 3: The Firmicutes*. Springer. New York.
- Schveitzer, R., R. Arantes, P.F.S. Costodio, C.M. do E. Santo, L.V. Arana, W.Q. Seiffert, & E.R. Andreatta. 2013. Effect of different biofloc level on mikrobial activity Water quality and performance of *Litopenaeus vannamei* in a tank System operated Alt on water exchange. *J Aquacultural Engineering* 56: 59-70.
- Sharma, R.C., N. Singh, A. Chauhan. 2016. The influence of physico-chemical parameters on phytoplankton distribution in a head water stream of Garhwal Himalayas: A case study. *Egyptian Journal of Aquatic Research* 42: 11–21.
- Shendure, J. & H. Ji. 2008. Next-generation DNA Sequencing. *J. Nature Biotechnology* 26 (10): 1135-1145.
- Shirota, A. 1966. *The Plankton of South Vietnam: Freshwater and Marine Plankton*. Over Tech Coop Agent. Japan.
- Soedibya, P.H.T., E. Listiowati, T.B. Pramono, N.A. Prayogo, & R.T. Harisam. 2018. Growth performance of catfish (*Clarias gariepinus*) cultured of high density Alt biofloc system. *E3S Web of Conferences* 47, 02002: 1-12.
- Standar Nasional Indonesia (SNI). 2000. Induk Ikan Lele Dumbo (*Clarias gariepinus* X *C. fuscus*) Kelas Induk Pokok (*Parent Stock*). Badan Standarisasi Nasional (BSN). Jakarta.
- Sukma, RA., N.A. Pamukas, & I. Putra. 2016. The abundance of plankton in fish breeding basin African Catfish (*Clarias gariepinus*) with the frequency of inoculant bactreria in engineering biofloc. *J Online Mahasiswa Universitas Riau* 3(1):1-15.
- Sunarto, A. Pangastuti, Suranto, E. Mahajoeno, & E. Setioningsih. 2014. The T-RFLP analysis of methanogenic Community uring The na aerobic fermentation of Tju likuid waste. *Global J Science Frontier Research (H)* 16(4): 15-21.
- Supono. 2015. *Manajemen Lingkungan untuk Akuakultur*. Plantaxia. Yogyakarta.
- Suriawiria U. 2005. *Mikrobiologi Dasar*. Papas Sinar Sinanti. Jakarta.
- Szczepocka, E., & B. Szulc. 2009. The use of benthic diatoms in estimating water quality of variously polluted River. *Oceanological and Hydrobiological Studies* 38(1):17-26.
- Tanabe, Y., Hodoki, Y., Sano, T., Tada, K., & Watanabe, M. M. (2018). Adaptation of the Freshwater Bloom-Forming Cyanobacterium *Microcystis aeruginosa* to Brackish Water Is Driven by Recent Horizontal Transfer of Sucrose Genes. *Frontiers in microbiology* 9: 1150.

- Tasma, I M.. 2015. Pemanfaatan teknologi sekuensing genom untuk mempercepat program pemuliaan tanaman. J. Litbang Pert. 34(2):159-163.
- Teng, F., S.S. Darveekaran Nair, P. Zhu, S. Li, S. Huang, X. Li, J. Xu, & F. Yang. 2018. Impact of DNA extraction method and targeted 16S rRNA hypervariable region on oral microbiota profiling. J Sci. Rep. 8: 16321.
- Thirunavukkarasu, K., P. Soundarapandian, D. Varadharajan, & B. Gunalan. 2013. Phytoplankton Composition and Community Structure of Kottakudi and Nari Backwaters, South East of Tamil Nadu. J Aquac Res Development 5: 211.
- Thoha, H. & K. Amri. 2011. Komposisi dan kelimpahan fitoplankton di perairan Kalimantan Selatan. J Oseanologi dan Limnologi di Indonesia (OLDI) 2(7): 372-380.
- Utojo, U. 2016. Keragaman plankton dan kondisi perairan tambak intensif dan tradisional di Probolinggo Jawa Timur. J Biosfera 32(2): 83-97.
- Vuuren, S.J.V., T.Jonathan, V.G.Carlin & G. Annelise. 2006. Easy Identification Of The Most Common Freshwater Algae. South African: North-West University Noorowes-Universitiet.
- Walpole, R.E. 1995. Pengantar Statistika, Ed. 3. Gramedia Pustaka. Jakarta.
- Wardika, A.S. 2017. Efektivitas penambahan bakteri probiotik dengan dosis berbeda dalam pakan terhadap efisiensi pemanfaatan pakan, pertumbuhan, dan kelulushidupan ikan lele dumbo (*Clarias gariepinus*). Jurnal Sains Teknologi Akuakultur 1(1): 21-30.
- Wexler, H.M. 2007. Bacteroides: the good, the bad, and the nitty-gritty. Clin Microbiol Rev. 20(4): 593-621.
- Widiyani, P. & E.R.S. Dewi. 2014. Penurunan konsentrasi logam berat kadmium (Cd) dan pertumbuhan mikroalga *Chlorella vulgaris* pada media kultur. J Ilmiah Biologi 3(2): 17-26.
- Wigajatri R.P, A. Handojo, H. Kurniawan, & N.B. Prihantini. 2003. Studi karakteristik fluoresensi *Chlorella* sp: Pengaruh pH terhadap pengkulturan. J makara teknologi 7(2): 83–88.
- Yang, J., Yong J., Ruyu Y., Xingchen L., Jie Z., Naichen W., & Kai W. 2020. Applicability of benthic diatom indices combined with water quality valuation for Dish Lake from Nanjishan Nature Reserve, Lake Poyang. Water 12(10): 2732.
- Yussuf, Z.H. 2020. Phytoplankton as bioindicators of water quality in Nasarawa reservoir. Katsina State Nigeria Acta Limnologica Brasiliensia 32(4).
- Zahidah, Y. Dhahiyat, Y. Andriani, A. Sahidin & I. Farizi. 2018. Impact of Red Water System (RWS) application on water quality of catfish culture using aquaponics. IOP Conference Series: Earth and Environmental Science 139: 012009.
- Zhang, Q., Yang, P., Liu, L., & Liu, Z. 2020. Formulation and characterization of a heterotrophic nitrification-aerobic denitrification synthetic microbial community and its application to livestock wastewater treatment. Water 12(1): 218.
- Zheng, X., Tang, J., Zhang, C., Qin, J., & Wang, Y. 2016. Bacterial composition, abundance and diversity in fish polyculture and mussel–fish integrated cultured ponds in China. Aquaculture Research. 10.1111/are.13221.
- Zhong C., Yang G., Qin B., S.W. Wilhelm, Liu Y., Han L., Rui Z., Yang H., & Zhang Z. 2019. Effects of mixing intensity on colony size and growth of *Microcystis aeruginosa*. Annales de Limnologie - International Journal of Limnology. 55: 12.
- Zhou, Q., K. Li, X. Jun, & L. Bo. 2009. Role and function of beneficial mikroorganisme in sustainable aquaculture. Bioresour. Technol. 100: 3780-3786.

Zulfahmi, I., M. Syahimi, & Muliari. 2018. Pengaruh penambahan bioflok dengan dosis berbeda terhadap pertumbuhan benih udang windu (*Penaeus monodon* Fabricius 1798). *Al-Kauniah, J Biology* 11 (1): 1-8.