

DAFTAR PUSTAKA

- Alam, G. dan Rahim A. 2006. Buku Pegangan Laboratorium Fitokimia I, Laboratorium Farmakognosi-Fitokimia, Universitas Islam Negeri Alauddin. Makassar.
- Arikunto, S. 2002. Prosedur Suatu penelitian: Pendekatan Praktek. Edisi Revisi Kelima. Jakarta: Penerbit Rineka Cipta.
- Benzverbna, O. and Monika, Z. R. 2018. Ecotoxicological Evaluation the Effects of the Safe Concentration of Wastewater Containing Phenol on Aquatic Ecosystem. Journal of Environmental Engineering and Landscape Management. 26(1): 57-63.
- Charmantier-Daures, M., Charmantier, G., Janssen, K., Aiken, D. and Van Herp, F. 1994. Involvement of Eyestalk Factors in the Neuroendocrine Control of Osmoregulation in Adult American Lobster *Homarus americanus*. Gen. Comp. Endocrinol. 94: 281-293.
- Chinnamadasamy, Kalidass, Ramasamy, V., and Mohan. 2011. Nutritional and Antinutritional Composition of Itching Bean (*Mucuna pruriens* (L.) De var. Pruriens): an Underutilized Tribal Pulse in Western Ghats, Tamil Nadu. Tropical and Subtropical Agroecosystems. 14: 279-293.
- De Meester, L., Vanoverbeke, J., De Gelas, K., Ortells, R. and Spaak, P. 2006. Genetic Structure of Cyclic Parthenogenetic Zooplankton Populations - a Conceptual Framework. Archiv fuer Hydrobiologie, 167(1): 217-244.
- Dewi, A. T., Suminto, dan Ristiawan A. N. 2019. Pengaruh Pemberian Pakan Alami *Moina* sp. dengan Dosis yang Berbeda dalam *Feeding Regime* terhadap Pertumbuhan dan Kelulushidupan Larva Ikan Baung (*Hemibagrus nemurus*). Jurnal Sains Akuakultur Tropis 3(1): 17-26.
- Divya, B. J., B. Suman, M. Vekataswamy, K. Thyaga Raju. 2017. The Traditional Uses and Pharmacological Activities of *Mucuna pruriens* (L)Dc: A Comprehensive Review. Indo American journal of Pharmaceutical Reasearch 7 (1): 7516-7525.
- Dodson, S. I. & D. G. Frey, 2001. Kladosera and Other Branchipoda. In Thorpe, J. H. & A. P. Covich (eds.) Ecology and Classification of North American Freshwater Invertebrates. Academic Press, Inc. Toronto: 723–786.
- Ecocorp. 2011. Ecocorp database. FAO.
- Effendie, M. I. 1997. Biologi Perikanan. Yogyakarta: Yayasan Pustaka Nusantara

- Eilita, M., Carsky, R. J. 2003. Efforts to Improve The Potential of *Mucuna* as a Food and Feed Crop: Background To The Workshop. Trop. Subtrop. Agroecosyst. 1: 47-55.
- Febrianto, A., Saberina, H. and Niken, A. P. 2012. Abundance *Moina* sp. Given The Mixed Fish Meal, Soybean Meal, and Bran With Different Concentration. Faculty of Fisheries and Marine Sciences, University of Riau.
- Feedipedia Animal Feed Resources Information System. 2020. Velvet Bean (*Mucuna pruriens*). <https://www.feedipedia.org/node/270>. Diakses pada 02-12-2020.
- Fingerman, M. 1997. Crustacean Endocrinology: a Retrospective Prospective, and Introspective Analysis. Physiol. Zool. 70: 257-269.
- Forro Korovchinsky, N.M.; Kotov, A.A.; Petrusek, A. Global diversity of kladosera (Kladosera; crustacean) in freshwater animal diversity assessment. Hydrobiologia 2008, 595, 177–184.
- Goulden, C. E. 1968. The Systematics and Evolution of the Moinidae. Trans. Amer. Philos. Soc., N.S.V. 58(6): 1-101.
- Gruntenko, N. E., Karpova, E. K., Alekseev, A. A., Chentsova, N. A., Saprykina, Z. V., Bownes, M., and Rauschenbach, I. Y. 2005. Effects of Dopamin on Juvenile Hormone Metabolism and Fitness in *Drosophila virilis*. J. Insect. Physiol 51: 959– 968.
- Gruntenko, N. E., Karpova, E. K., Adonyeva, N. V., Chentsova, N. A., Faddeeva, N. V., Alekseev, A. A., Rauschenbach, I. Y. 2005. Juvenile Hormone, 20-hydroxyecdysone and Dopamin Interaction in *Drosophila virilis* Reproduction Under Normal and Nutritional Stress Conditions. J. Insect. Physiol. 51, 417–425.
- Hakima, B. C., Khemissa and Boudjema, S. 2013. Effects Food Limitation on the Life History of *Simocheilus exipinosus* (Cladocera: Daphniidae). Journal Biology Sciences, 5: 25-31.
- Hannas, B. R., Wang, Y. H., Thomson, S., Kwon, G., Li H, LeBlanc, J. A 2011. Regulation and Dysregulation of Vitellogenin mRNA Accumulation in Daphnids (*Daphnia magna*). Aquat Toxicol. 101:351–357.
- Homer DH, and WT Waller. 1983. Chronic effects of reduced dissolved oxygen on *Moina* sp. Water, Air, and Soil Pollution 20,23-28.
- Hopkins, P. M. 2009. Crustacean Ecdysteroids and Their Receptors. In Ecdysone: Structures and Functions. Edited by Smagghe G. Netherlands: Springer :73–97.

- Hu, X. L., Yuan, Y. T., Man, L. K., King, M. C., and Ka, H. C. 2020. Impact of Juvenile Hormone Analogue Insecticides on The Water Flea *Moina macrocopa*: Growth, Reproduction and Transgenetional Effect. *Aquatic Toxicology* 220 (2020) 105402.
- Issa, S., Marlene, G., Tomasz, M. C., Kristine, V. J., Alexandros, G. A., Veerle, L. B. J., and Sigurd, E. 2020. Dopamin Mediates Life-History Responses to Food Abundance in *Daphnia*. *Proc. R. Soc B* 278: 1-9.
- Leung YFJ. 2009. Reproduction of the zooplankton, *Daphnia carinata* and *Moina australiensis*: implication as live food for aquaculture and utilization of nutrient loads in efflu-ent, 189. School of Agriculture, Food, Wine – The Univer-sity of Adelaide, Adelaide.
- Jimenez, D., Rosas, J., Velasquez, A., Millan, J., Cabrera, T. 2003. Crecimiento poblacional algunos aspectosbiologicos del Cladocero *Moina macrocopa* (Straus, 1820) (Branchiopoda, Anomopoda), alimentado con tres dietas en tres salinidades diferentes. *Maracaibo, Venezuela. CIENCIA*, 11 (1): 22-30.
- Juwana, S. 1994. Peranan Pellet Kering dalam Penelitian Nutrisi Krustasea dan Penentuan Kualitas Tehnik Pembuatan Pellet. *Oseana* 19(4): 1-11.
- Kavitha, C. and Thangamani, C. 2014. Amazing Bean “*Mucuna pruriens*”: A Comprehensive Review. *Journal of Medicinal Plants Research*. 8(2): 138-143.
- Kristanti, A. N. 2008. Buku Ajar Fitokimia. Surabaya: Universitas Airlangga Press.
- Kurniawan, A. 2010. Budidaya Pakan Alami. Universitas Bangka Belitung.
- Lachaise, F., Le Roux, A., Hubert, M., Lafont, R. 1993. The Molting Gland of Crustaceans: Localization, Activity, and Endocrine Control (a Review). *J Crustacean Biol.* 13:198–234.
- Lafont. R, and Mathieu, M. 2007. Steroids in Aquatic Invertebrates. *Ecotoxicology*. 16:109–130.
- Laforsch, C. and Tollrian, R. 2004 Embryological aspects of inducible morphological defenses in *Daphnia*. *J. Morphol.* 262, 701– 707.
- Lampariello, Lucia, R. 2012. The magic Velvet Bean of *Mucuna pruriens*. *Journal Traditional Complementary Medicine*. 2(4): 331-339.
- LeBlanc GA, Medlock EK. 2015. Review Article. Males on demand: the environmental–neuro-endocrine control of male sex determination in Daphnids. *Federation of European Biochemical Societies Journal* 282: 4080-4093.

- Lethimonier C., Madigou T., Munoz-Cueto J.A., Lareyre J.J., Kah O. (2004): Evolutionary aspects of GnRHs, GnRH neuronal systems and GnRH receptors in teleost fish. *General and Comparative Endocrinology*, 135, 1–16.
- Levavi-Sivan B., Bogerd J., Mananos E.L., Gomez A., Lareyre J.J. (2010): Perspectives on fish gonadotropins and their receptors. *General and Comparative Endocrinology*, 165, 412–437.
- Lingga. 2002. Morfologi *Moina* sp. Bogor: Buku ilmu Perikanan.
- Loh, J. Y., How, C. W., Hii, Y. S., Khoo, G., and Ong, H. K. A. 2009. Fish Faces as a Potential Food Source for Cultivating the Water Flea, *M. macrocopa*. *Journal of Science and Technology in the Tropics*. 5: 5-10.
- Martin-Creuzburg, D., Westerlund, S. A., Hoffmann, K. H. 2007. Ecdysteroid Levels in *Daphnia magna* During a Molt cycle: Determination by Radioimmunoassay (RIA) and Liquid Chromatography-mass Spectrometry (LC-MS). *Gen. Comp. Endocrinol.* 151: 66 – 71.
- Mazurová, E., Hilscherová, K., Triebskorn, R., Köhler, H., Marsálek, B. and Bláha, L. 2008. Endocrine Regulation of the Reproduction in Crustaceans: Identification of Potential Targets for Toxicants and Environmental Contaminants. *Biologia* 63, 139-150.
- Miah, F., Roy, S., Jinnat, E. and Z. K. Khan. 2013 Assessment of *Daphnia*, *Moina* and *Cylops* in Freshwater Ecosystems and The Evaluation of Mixed Culture in Laboratory. *American International Journal of Research in Formal, Applied and Natural Sciences* 4: 1-7.
- Misra, L. and Hildebert, W. 2007. Extraction of Bioactive Principles from *Mucuna pruriens* Seed. *Indian journal of Biochemistry and Biophysics*, 44: 56-60.
- Mohanty, B. 2014. Amino Acid Compositions of 27 Food Fishes and their Importance in Clinical Nutrition, *Journal of Amino Acids*. 1–7.
- Mubarak, A. S. 2017. Evaluasi Pemanfaatan Suspensi Dedak dan Ketela Pohon pada Pertumbuhan populasi Produksi Anak Jantan dan Ehipia *M. macrocopa*. Doctoral Thesis. Institut Pertanian Bogor. Bogor: 74.
- Mubarak, A. S., Diah, T. R., dan Laksmi, S. 2009. Pemberian Dolomit pada Kultur *Daphnia* spp. Sistem *Daily Feeding* pada Populasi *Daphnia* spp. dan Kestabilan Kualitas Air. *Jurnal Ilmiah Perikanan dan Kelautan* 1(1): 67-72.
- Mubarak, A. S., Jusandi, D., Junior, M. Z., and Suprayudi, M. A. 2019. Maximum Density in the *Moina macrocopa* Culture Able to Produce Parthenogenesis in Female Offspring IOP Conf. Series: Earth and Environmental Science, 236 (2019) 012013.

- Mukhriani. 2014. Ekstraksi, Pemisahan Senyawa, dan Identifikasi Senyawa Aktif. Jurnal Kesehatan 7(2): 1-10.
- Mudjiman, A. 2008. Makanan Ikan. Penerbit: Swadaya. Jakarta. 191 hal.
- Murni, R., Suparjo, Akmal, dan B. L. Ginting. 2008. Buku Ajar Teknologi Pemanfaatan Limbah Untuk Pakan. Laboratorium Makanan Ternak. Fakultas Peternakan. Universitas Jambi. Jambi.
- Nagai, T., Hamada, M., Kai, N, Tanoue, Y., and Nagayama, F. 1996. Distribution of Aromatic L-Amino Acid Decarboxylase in Tissues of Skipjack Tuna Using L-Dopa as The Substrate. Journal of Fish Biology, 48: 1014-1017.
- Naik, S. 2016. Agro-Techniques of Selected Medicinal Plants Volume III. New Delhi: National Medicinal Plants Board.
- Nakatsuji, T., Lee, C. Y., Watson, R. D. 2009 Crustacean Molt-inhibiting Hormone: Structure, Function, and Cellular Mode of Action. Comp. Biochem. Physiol. A 152, 139– 148.
- Nijhout, H. F., Riddiford, L. M., Mirth, C., Shingleton, A. W., Suzuki, Y., and Callier, V. 2014. The Developmental Control Of Size In Insects. Dev. Biol. 3: 113-134.
- Nurruhwati, I., Zahidah, dan Sahidin, A. 2017. Kelimpahan Plankton di Waduk Cirata Provinsi Jawa Barat. Jurnal Akuatika Indonesia. 2(2): 102-108.
- Pangestiningih, T. W., Trini, S., dan Hery, W. 2016. Kandungan L-3, 4-dihydroxyphenylalanine Suatu Bahan Neuroprotektif pada Biji Koro Benguk (*Mucuna pruriens*) Segar, Rebus, dan Tempe. Jurnal Veteriner 18 (1): 116-120.
- Pangkey, H. 2009. *Daphnia* dan Penggunaannya. Jurnal Perikanan dan kelautan, 5(3): 33-36.
- Perez, A. F. and F. Goodberry. 2016. Dhapnia's Challenge: Survival and Reproduction when Calcium and Food are Limiting. Journal of Plankton Research, 38 (6): 1379-1388.
- Pengelly, B. C., Whitebread, A., Mazaiwa, P. R., Mukombe, N. 2004. Tropical Forage Research for the Future - Better Use of Research Resources to Deliver Adoption and Benefits to Farmers. In: Tropical Legumes for Sustainable Farming Systems in Southern Africa and Australia. Whitbread, A. M. and Pengelly, B. C. (Eds). ACIAR, Canberra.
- Prea, S. B. 2008. Growth Hormone and Somatolactin Function During Sexual Maturation of Female Atlantic Salmon. Departemen of Zoology, Goteborg University: Susana Benedet Perea, 79p.

- Pulikkalpura, H., Kurup, R., Mathew, P. J., and Baby, S. 2015. Levodopa In *Mucuna pruriens* And Its Degradation. Sci Rep: 5.
- Purwakusuma, 2007. *Daphnia* sp. Media Informasi Ikan Hias. Jakarta. Dalam: www.o-fish.com. Agustus 2007.
- Radini, D. 2006. Optimasi Suhu, pH serta Jenis Pakan pada Kultur *Moina* sp. Sekolah Ilmu dan Teknologi Hayat. Bandung.
- Rahmani, S. N., Shima, D., Mina, S., Maliheh, B. T., Adel, G., and Hadjiakhoondi. 2018. Evaluating The Accumulation Trend Of L-Dopa In Dark-Germinated Seeds And Suspension Cultures Of *Phaseolus vulgaris* L. By An Efficient Uv-Spectrophotometric Method. Quim. Nova 41(4): 386-393.
- Reddy, R. P. and Kishory, B. 2017. Crustacean Endocrinology: Intriguing Towards Quality Protein Production. Journal of Endocrinology and Thyroid research. 1(2): 001-005.
- Richman S. 1958. The transformation of energy by *Daphnia pulex*. Ecological. Monographs 2 :273-291.
- Rietzler A. C., Maina-Barbosa, P. M., Riberio, M. M., Menendez, R. M. 2014. The First Record of The Exotic *Moina macrocopa* (Straus, 1820) in Minas Gerais State, Brazilian Journal Biology 74: 518-520.
- Rottmann, R. W., J. Scott, G., Craig, W., and Roy, P. E. Y. 1992. Culture Techniques of *Moina*: The Ideal *Daphnia* for Feeding Freshwater Fish Fry. University of Florida. Ifas Extension : 1-7.
- Sagi, A., Ahl, J.S.B., Danaee, H., Laufer, H., 1994. Methyl Farnesoate Levels in Male Spider Crabs Exhibiting Active Reproductive Behavior. Horm. Behav. 28: 261–272.
- Saputra, A., Dedi, J. Muhammad, A. S., Eddy, S. dan Mas, T. D. S. 2018. Pengaruh Frekuensi Pemberian *Moina* sp. Sebagai Pakan Awal Pada Pemeliharaan Larva Ikan Gabus *Channa striata* dengan Sistem Air Hijau. Jurnal Riset Akuakultur, 13 (3): 239-249.
- Spanings-Pierrot, C., Soyeze, D., Van Herp, F., Gompel, M., Skaret, G., Grousset, E. and Charmantier, G. 2000. Involvement of Crustacean Hyperglycemic Hormone in the Control of Gill Ion Transport in the Crab *Pachygrapsus marmoratus*. Gen. Comp. Endocrinol. 119: 340-350.
- Suhett, A. L., Jayme, M. S., and Reinaldo, L. B. 2015. An Overview of the Contribution of Studies with Kladoserans to Environmental Stress Research. Acta Limnologica Brasiliensia 27(2): 145-159.

- Sumiya, E., Yukiko, O., Hitosi, M., Chizuke, H., Kenji, T., Shinchu, M., and Taisen, I. 2014. Roles of Ecdysteroids for Progression of Reproductive Cycle in the Fresh Water Crustacean *Daphnia magna*. *Frontiers in Zoology* 11(60): 1-12.
- Tahya, A. M., Jr, M. Z., Boediono, A., Artika, I. M., and Suprayudi, M. A. 2016. Important role of mandibular organ in moulting, growth and survival of mud crab *Scylla olivacea*. *Int J Chemtech Res.* 9(12):529–533.
- Tatiana, S. L. and Egor, S. Z. 2012. The Effect of Food Concentration on the Juvenile Somatik Growth Rate of Body Length, Fecundity and the Production of Resting Eggs by *Moina brachiata* (Crustacea: Kladosera) Single Females. *Journal of Siberian Federal University. Biology* 4 (2012 5): 427-432.
- Toyota K, Miyakawa H, Hiruta C, Furuta K, Ogino K, Shinoda T, Tatarazako N, Miyagawa S, J R Shaw J, Iguchi T. 2015. *Methyl farnesoate* synthesis is necessary for the environmental sex determination in the water flea *Daphnia pulex*. *Journal Insect Physiology* 80: 22-30.
- Ulimaz, A. 2019. Konsentrasi Suspensi Dedak Terhadap Fekunditas dan Produksi Anak Per Induk *Moina macrocopa*. Skripsi. Universitas Airlangga Surabaya. 62 hal.
- Volkova, E. N. and Zadereev, E.S. 2012. Effect of Methyl Farnesoate on the Change of the Reproduction Mode in *Moina macrocopa* (Kladosera). *Doklady Biochemistry and Biophysics* 447(4): 450-453.
- Weiss, L. C., Florian, L., Christian, L., and Ralph, T. 2015. Dopamin Is A Key Regulator In The Signalling Pathway Underlying Predatorinduced Defences In *Daphnia*. *Proc. R. Soc B* 278: 1-9.
- Winarni, S dan Yudhy, D. Kandungan L-dopa dalam Variasi Prendaman dan Perebusan dalam Proses Pembuatan Tempe Benguk. *Jurnal Kesehatan Masyarakat* 11(2): 96-103.
- Wong, A. O. L., Jhon, P. C., and Richard, E. P. 1993. Dopamine Function As a Growth Hormone-Releasing Factor in the Goldfish, *Carrasius auratus*. *Fish Physiology and Biochemistry* 11, 1-6: 77-84.
- Wu, G. 2009. Amino Acids: Metabolism, Functions, and Nutrition, *Amino Acids.* 37(1): 1–17.
- Xie, X., Tao, T., Liu, M., Zhou, Y., Liu, Z. and Zhu, D. 2016. The Potential Role of Juvenile Hormone Acid Methyltransferase in Methyl Farnesoate (MF) Biosynthesis in the Swimming Carb, *Portunus trituberculatus*. *Anim. Reprod. Sci.* 168: 40-49.

- Yadav, M. K., Prabhat, U., Suresh, P., Pandey, B. L. and Harish, S. 2017. Phytochemistry and Pharmacological Activity of *Mucuna pruriens*: A review. *International Journal of Green Pharmacy*, 11(2): 69-72.
- Yamamoto, K. and Vernier, P. 2011. The Evolution of Dopamin Systems in Chordates. *Front. Neuroanat.* 5: 21.
- Yan, L. H. 2011. Fatty Acid Enrichment and Potential Food Source for *Moina macrocopa* Cultivation. Faculty of Engineering and Science. University Tunku Abdul Rahman. Malaysia.
- Yantika, S. M. 2015. Pemanfaatan Kara Benguk (*Mucuna pruriens*) Sebagai Kandidat *Growth Promoter* Alami Terhadap Performa Sapi Sumba Ongole. Tesis. Sekolah Pascasarjana. Institut pertanian Bogor. 44 hal.
- Zohar J., Munoz-Cueto J.A., Elizur A., Kah O. (2010): Neuroendocrinology of reproduction in teleost fish. *General and Comparative Endocrinology*, 165, 438–455.