

## DAFTAR PUSTAKA

- Akmal, S. G., Yulianda, F., Jerikho, R., Rustiadi, E., Slavík, O., Bláha, M., Kouba, A. & Patoka, J. 2024. The farmer's enemy: pest freshwater crab *Parathelphusa convexa* De Man, 1879 (Decapoda: Gecarcinucidae) established in West Sumatra, Indonesia. *BioInvasions Records*, 13, 483-496.
- Allan, G. L. & Maguire, G. B. 1991. Lethal levels of low dissolved oxygen and effects of short-term oxygen stress on subsequent growth of juvenile *Penaeus monodon*. *Aquaculture*, 94, 27-37.
- Allan, J. D. & Castillo, M. M. 2007. *Stream Ecology : Structure and function of running waters*, Dordrecht, Springer Netherlands.
- Ardiyansari, N., Saryani, S. & Muhamad, M. 2019. Peran Organisasi Pemuda Dalam Pengembangan Ekowisata Kawasan Mangrove Guna Mewujudkan Ketahanan Lingkungan (Studi pada Keluarga Pemuda Pemudi Baros (KP2B) Di Dusun Baros, Desa Tirtohargo, Kecamatan Kretek, Kabupaten Bantul, Daerah Istimewa Yogyakarta. *Jurnal Ketahanan Nasional*, 25, 226.
- Bilotta, G. S. & Brazier, R. E. 2008. Understanding the Influence of Suspended Solids on Water Quality and Aquatic Biota. *Water Research*, 42, 2849-2861.
- Bridges, C. R. & Brand, A. R. 1980. The effect of hypoxia on oxygen consumption and blood lactate levels of some marine crustacea. *Comparative Biochemistry and Physiology Part A: Physiology*, 65, 399-409.
- Butler, J. R. A. & Marshall, B. E. 1996. Resource Use Within the Crab-Eating Guild of the Upper Kairezi River, Zimbabwe. *Journal of Tropical Ecology*, 12, 475-490.
- Cardinale, B. J., Duffy, J. E., Gonzalez, A., Hooper, D. U., Perrings, C., Venail, P., Narwani, A., Mace, G. M., Tilman, D., Wardle, D. A., Kinzig, A. P., Daily, G. C., Loreau, M., Grace, J. B., Larigauderie, A., Srivastava, D. S. & Naeem, S. 2012. Biodiversity loss and its impact on humanity. *Nature*, 486, 59-67.
- Charmantier, G., Soyeux, C. & Aquacop 1994. Effect of molt stage and hypoxia on osmoregulatory capacity in the penaeid shrimp *Penaeus vannamei*. *Journal of Experimental Marine Biology and Ecology*, 178, 233-246.
- Chen, J. C. & Lei, S. C. 1990. Toxicity of Ammonia and Nitrite to *Penaeus monodon* Juveniles. *Journal of the World Aquaculture Society*, 21, 300-306.
- Cheng, W., Liu, C.-H., Cheng, S.-Y. & Chen, J.-C. 2004. Effect of dissolved oxygen on the acid-base balance and ion concentration of Taiwan abalone *Haliotis diversicolor supertexta*. *Aquaculture*, 231, 573-586.
- Chia, O. K. S. & Ng, P. K. L. 2006. The freshwater crabs of Sulawesi, with descriptions of two new genera and four new species (Crustacea: Decapoda: Brachyura: Parathelphusidae). *Raffles Bulletin of Zoology*, 54, 381-428.
- Chisholm, J. R. S. & Smith, V. J. 1992. Antibacterial activity in the haemocytes of the shore crab, *Carcinus maenas*. *Journal of the Marine Biological Association of the United Kingdom*, 72, 529-542.
- Chua, K. W. J., Ng, D. J. J., Zeng, Y. & Yeo, D. C. J. 2015. Habitat Characteristics of Tropical Rainforest Freshwater Crabs (Decapoda: Brachyura: Potamidae, Gecarcinucidae) in Singapore. *Journal of Crustacean Biology*, 35, 533-539.

- Colt, J. E. & Armstrong, D. A. 1979. *Nitrogen toxicity to fish, crustaceans and molluscs: Bio-Engineering Symposium for Fish Culture*, Davis, CA, Dept. of Civil Engineering, University of California.
- Company, J. B. & Sardà, F. 1998. Metabolic rates and energy content of deep-sea benthic decapod crustaceans in the western Mediterranean Sea. *Deep Sea Research Part I: Oceanographic Research Papers*, 45, 1861-1880.
- Cumberlidge, N., Ng, P. K. L., Yeo, D. C. J., Magalhães, C., Campos, M. R., Alvarez, F., Naruse, T., Daniels, S. R., Esser, L. J., Attipoe, F. Y. K., Clotilde-Ba, F.-L., Darwall, W., Mcivor, A., Baillie, J. E. M., Collen, B. & Ram, M. 2009. Freshwater crabs and the biodiversity crisis: Importance, threats, status, and conservation challenges. *Biological Conservation*, 142, 1665-1666.
- Dalu, T., Sachikonye, M. T., Alexander, M. E., Dube, T., Froneman, W. P., Manungo, K. I., Bepe, O. & Wasserman, R. J. 2016. Ecological Assessment of Two Species of Potamonautid Freshwater Crabs from the Eastern Highlands of Zimbabwe, with Implications for Their Conservation. *PLoS One*, 11, e0145923.
- Darajati, W., Pratiwi, S., Herwinda, E., Radiansyah, A., Nalang, V., Nooryanto, B., Setijo Rahajoe, J., Ubaidillah, R., Maryanto, I., Kurniawan, R., Prasetyo, T., Rahim, A., Jefferson, J. & Hakim, F. 2016. *Indonesian Biodiversity Strategy and Action Plan 2015-2020*, Kementerian Perencanaan Pembangunan Nasional.
- Dean, J. M. & Vernberg, F. J. 1966. Hypothermia and blood of crabs. *Comparative Biochemistry and Physiology*, 17, 19-22.
- Disney, R. H. L. 1971. Notes on *Simulium ovazzae* Grenier and Mouchet (Diptera: Simuliidae) and river crabs (Malacostraca: Potamidae) and their association. *Journal of Natural History*, 5, 677-689.
- Djumanto, Devi, M. I. P. & Setyobudi, E. 2013. Ichthyofauna Distribution In Downstream Region of Opak River, Yogyakarta. *Jurnal Iktiologi Indonesia*, 13, 97-108.
- Dobson, M. 2004. Freshwater Crabs in Africa. *Freshwater Forum*, 21, 3-26.
- Dobson, M., Magana, A., Mathooko, J. M. & Ndegwa, F. K. 2002. Detritivores in Kenyan highland streams: more evidence for the paucity of shredders in the tropics? *Freshwater Biology*, 47, 909-919.
- Dobson, M., Magana, A. M., Lancaster, J. & Mathooko, J. M. 2007a. Aseasonality in the abundance and life history of an ecologically dominant freshwater crab in the Rift Valley, Kenya. *Freshwater Biology*, 52, 215-225.
- Dobson, M., Magana, A. M., Mathooko, J. M. & Ndegwa, F. K. 2007b. Distribution and abundance of freshwater crabs (*Potamonautes* spp.) in rivers draining Mt Kenya, East Africa. *Fundamental and Applied Limnology / Archiv für Hydrobiologie*, 168, 271-279.
- Dudgeon, D. 2008. *Tropical stream ecology*, London, UK ; Burlington, MA, Academic Press.
- Eprilurahman, R., Baskoro, W. T. & Trijoko 2015. Keanekaragaman Jenis Kepiting (Decapoda: Brachyura) di Sungai Opak, Daerah Istimewa Yogyakarta. *Biogenesis: Jurnal Ilmiah Biologi*, 3, 100-108.
- Fadlaoui, S., El Asri, O., Bouterfas, M. & Melhaoui, M. 2021. Effects of Physicochemical Variables of Superficial Waters on the Abundance of the

- North African Freshwater Crab *Potamon algeriense* (Bott, 1967). *Journal of Toxicology*, 2021, 1-13.
- Foster, J. & Harper, D. 2007. Status and ecosystem interactions of the invasive Louisianan red swamp crayfish *Procambarus clarkii* in East Africa.
- Goldenberg, P. Z., Huebner, E. & Greenberg, A. H. 1984. Activation of lobster hemocytes for phagocytosis. *Journal of Invertebrate Pathology*, 43, 77-88.
- Goldman, C. R. & Horne, A. J. 1983. *Limnology*, New York ; London, McGraw-Hill.
- Hadi, W. 2020. Daya Tarik Aliran Sungai Opak di Wilayah Yogyakarta sebagai Destinasi Wisata Alam dan Pendidikan. *Jurnal Pariwisata dan Budaya*, 11, 61-65.
- Hakim, A. L. 2021. Kearifan Lokal dan Pelestarian Ekologi: Dimensi Filosofis-Religius Tradisi Merti Code Yogyakarta. *Jurnal Borneo Humaniora*, 4, 1-10.
- Hart, D. D. & Finelli, C. M. 1999. Physical-Biological Coupling in Streams: The Pervasive Effects of Flow on Benthic Organisms. *Annual Review of Ecology and Systematics*, 30, 363-395.
- Haselmair, A., Stachowitsch, M., Zuschin, M. & Riedel, B. 2010. Behaviour and mortality of benthic crustaceans in response to experimentally induced hypoxia and anoxia in situ. *Marine Ecology Progress Series*, 414, 195-208.
- Hauer, F. R. & Resh, V. H. 2007. CHAPTER 20 - Macroinvertebrates. In: Hauer, F. R. & Lamberti, G. A. (eds.) *Methods in Stream Ecology (Second Edition)*. San Diego: Academic Press.
- Henry, R. P. 2015. Morphological, Behavioral, and Physiological Characterization of Bimodal Breathing Crustaceans. *American Zoologist*, 34, 205-215.
- Hernawati, R. T. 2019. Kepiting Air Tawar (Decapoda: Brachyura) dari Lereng Selatan Gunung Slamet, Kabupaten Banyumas, Provinsi Jawa Tengah. *Zoo Indonesia*, 28, 97-111.
- Hill, A. D., Taylor, A. C. & Strang, R. H. C. 1991. Physiological and metabolic responses of the shore crab *Carcinus maenas* (L.) during environmental anoxia and subsequent recovery. *Journal of Experimental Marine Biology and Ecology*, 150, 31-50.
- Hill, M. P. & O'keeffe, J. H. 1992. Some Aspects of The Ecology of The Freshwater Crab (*Potamonautes Perlatus* Milne Edwards) in The Upper Reaches of The Buffalo River, Eastern Cape Province, South Africa. *Southern African Journal of Aquatic Sciences*, 18, 42-50.
- Horton, R. E. 1945. Erosional Development of Streams and Their Drainage Basins; Hydrophysical Approach to Quantitative Morphology. *Geological Society of America Bulletin*, 56, 275-370.
- Imroatushshoolikhah, Purnama, S. & Suprayogi, S. 2014. Kajian Kualitas Air Sungai Code Propinsi Daerah Istimewa Yogyakarta. *Majalah Geografi Indonesia*, 28, 10.
- Jayaprakash, M., Srinivasalu, S., Jonathan, M. P. & Mohan, V. R. 2005. A Baseline Study of Physico-Chemical Parameters and Trace Metals in Waters of Ennore Creek, Chennai, India. *Marine Pollution Bulletin*, 50, 583-589.
- Johnson, I. T. 1985. *Studies on some responses of Carcinus maenas (L.) and other brachyurans to hypoxia and aerial exposure*. University of Hull.

- Kishore, K., Joshi, B. D. & Deepali, K. 2005. Physicochemical characteristics of pond water at Kanpur village in Bareilly district (UP). *Himalayan Journal of Environment and Zoology* 19, 89-92.
- Kouba, A., Oficialdegui, F. J., Cuthbert, R. N., Kourantidou, M., South, J., Tricarico, E., Gozlan, R. E., Courchamp, F. & Haubrock, P. J. 2022. Identifying economic costs and knowledge gaps of invasive aquatic crustaceans. *Science of The Total Environment*, 813, 152325.
- Krebs, C. J. 2014. *Ecology : the experimental analysis of distribution and abundance*, Harlow, England, Pearson.
- Le Moullac, G. & Haffner, P. 2000. Environmental factors affecting immune responses in Crustacea. *Aquaculture*, 191, 121-131.
- Lee, S. H. & Pritchard, J. B. 1985. Bicarbonate-chloride Exchange in Gill Plasma Membranes of Blue Crab. *American Journal of Physiology-Regulatory, Integrative and Comparative Physiology*, 249, R544-R550.
- Li, Z. Q., Kong, L. Y., Yang, L. F., Zhang, M., Cao, T., Xu, J., Wang, Z. X. & Lei, Y. 2012. Effect of substrate grain size on the growth and morphology of the submersed macrophyte *Vallisneria natans* L. *Limnologica*, 42, 81-85.
- Liu, S., Li, X., Wang, X., Bu, X., Li, E., Zhang, M., Qin, C., Qin, J. G. & Chen, L. 2022. Molting, Tissue Calcium-Phosphorus Deposition and Immunity of Juvenile Chinese Mitten Crab (*Eriocheir Sinensis*) Fed Different Levels of Calcium and Vitamin D3. *Aquaculture*, 554, 738124.
- Madenjian, C. P., Rogers, G. L. & Fast, A. W. 1987. Predicting night time dissolved oxygen loss in prawn ponds of Hawaii: Part I. Evaluation of traditional methods. *Aquacultural Engineering*, 6, 191-208.
- Mueller-Dombois, D. & Ellenberg, H. 1974. *Aims and Methods of Vegetation Ecology*, New York, John Wiley & Sons.
- Muthu, M. S. & Laxminarayana, A. 1977. Induced Maturation and Spawning of Indian Penaeid Prawns. *Indian Journal of Fisheries*, 24, 172-180.
- Naz, M. & Türkmen, M. 2005. Phytoplankton Biomass and Species Composition of Lake Gölbaşı (Hatay-Turkey). *Turkish Journal of Biology*, 29, 49-56.
- Neufeld, D. S. & Cameron, J. N. 1994. Effect of The External Concentration of Calcium on The Postmoult Uptake of Calcium in Blue Crabs (*Callinectes Sapidus*). *Journal of Experimental Biology*, 188, 1-9.
- Ng, P. K. L. 1988. *The Fresh Water Crabs of Peninsular Malaysia and Singapore*, Department of Zoology, National University of Singapore.
- Ng, P. K. L., Guinot, D. & Davie, P. 2008. Systema Brachyurorum: Part I. An annotated checklist of extant Brachyuran crabs of the world. *The Raffles Bulletin of Zoology*, 17, 1-296.
- Ohashi, R. & Kamezaki, N. 2022. Peculiar Molting Behavior of Large Hermit Crabs. *Pacific Science*, 76, 197-200, 4.
- Peterson, R. A. & Cavanaugh, J. E. 2020. Ordered quantile normalization: a semiparametric transformation built for the cross-validation era. *Journal of Applied Statistics*, 47, 2312-2327.
- Peraturan Menteri Pekerjaan Umum dan Perumahan Rakyat Nomor 28/PRT/M/2015 Tahun 2015 tentang Penetapan Garis Sempadan Sungai dan Garis Sempadan Danau.
- Platt, T., Fuentes-Yaco, C. & Frank, K. T. 2003. Spring Algal Bloom and Larval Fish Survival. *Nature*, 423, 398-399.

- Pulungsari, A. E., Ekasanti, A., Bhagawati, D. & Winarni, E. T. 2023. Abundance, Sex Proportion, and Longitudinal Distribution of *Parathelphusa* spp. in the Banjarnan River, Banyumas Indonesia. *Jurnal Biologi Tropis*, 23, 164-175.
- Purves, M., Kruuk, H. & Nel, J. a. J. 1994. Crabs *Potamonautes perlatus* in the diet of otter *Aonyx capensis* and water mongoose *Atilax paludinosus* in a freshwater habitat in south Africa. *Zeitschrift fur Saugetierkunde*, 59, 332-341.
- Rahardjo, D., Djumanto, Prasetyaningsih, A., Laoli, B. & Manusiwa, W. S. 2021. Chromium content in fish and rice and its effect on public health along the downstream Opak River, Bantul District, Indonesia. *International Journal of Bonorowo Wetlands*, 11, 69-74.
- Riedel, B., Zuschin, M., Haselmair, A. & Stachowitsch, M. 2008. Oxygen depletion under glass: Behavioural responses of benthic macrofauna to induced anoxia in the Northern Adriatic. *Journal of Experimental Marine Biology and Ecology*, 367, 17-27.
- Rowe-Rowe, D. T. 1977. Food Ecology of Otters in Natal, South Africa. *Oikos*, 28, 210-219.
- Sakhare, S. S. & Kamble, N. A. 2013. Impact of Aquatic Pollution on The Testicular Cells of Fresh Water Crab *Barytelphusa Cunicularis* (Westwood, 1836). *Unique Journal of Pharmaceutical and Biological Sciences*, 1, 58-67.
- Sakhare, S. S. & Kamble, N. A. 2014. Impact of Environmental Pollution on Hepatopancreas of Freshwater Crab *Barytelphusa cunicularis* (Westwood, 1836). *International Journal of Current Microbiology and Applied Sciences*, 3, 1009-1022.
- Sastranegara, M. H. & Pulungsari, A. E. 2020. Species richness and longitudinal distribution of crustaceans in the Logawa river, Banyumas, Indonesia. *Biodiversitas*, 21, 5322-5330.
- Satpathy, K. K. 1996. Seasonal distribution of nutrients in the coastal waters of Kalpakkam, East Coast of India. *Indian Journal of Geo-Marine Sciences*, 25, 221-224.
- Segar, K. & Hariharan, V. 1989. Seasonal Distribution of Nitrate, Nitrite, Ammonia and Plankton in Effluent Discharge Area Off Mangalore, West Coast of India. *Indian Journal of Geo-Marine Sciences*, 18, 170-173.
- Strahler, A. N. 1952. Hypsometric (Area-Altitude) Analysis of Erosional Topography. *Geological Society of America Bulletin*, 63, 1117-1142.
- Subin, M. P., Anitha, C. T. & Sidhimol, P. D. 2011. The study of water Quality of Tripunithura, a city suburb of Ernakulam District in Kerala, India. *Nature, Environment and Pollution Technology*, 10, 583-588.
- Susilo, V. E., Suratno, Wowor, D. & Abror, M. N. 2020. Diversity of freshwater crab (decapoda) in meru betiri national park. *Journal of Physics: Conference Series*, 1465, 012008.
- Taybi, A. F., Mabrouki, Y., Berrahou, A. & El Abd, A. A. 2018. Bio-ecology of *Potamon algeriense* (Herbst, 1785) (Crustacea, Decapoda) in eastern Morocco. *Animal Biodiversity and Conservation*, 41.
- Trijoko, T., Yudha, D. S., Eprilurahman, R. & Pambudi, S. S. 2016. Keanekaragaman Jenis Ikan di Sepanjang Sungai Boyong – Code Propinsi

- Daerah Istimewa Yogyakarta. *Journal of Tropical Biodiversity and Biotechnology*, 1, 21.
- Truscott, R. & White, K. N. 1990. The Influence of Metal and Temperature Stress on the Immune System of Crabs. *Functional Ecology*, 4, 455-461.
- Turnbull-Kemp, P. S. J. 1960. Quantitative Estimations of Populations of the River Crab, *Potamon* (*Potamonautes*) *perlatus* (M. Edw.), in Rhodesian Trout Streams. *Nature*, 185, 481-481.
- Vasanth, K. 1989. *Studies on hydrobiology and decomposition of macrophytes in Portonovo marine environment Southeast coast of India*. Annamalai University.
- Wetzel, R. G. 2001. *Limnology : Lake and River Ecosystems*, San Diego, Academic Press.
- Wetzel, R. G. & Likens, G. E. 2000. *Limnological Analyses*, New York, NY, Springer New York : Imprint: Springer.
- Wowor, D. 2010. Studi biota perairan dan herpetofauna di Daerah Aliran Sungai (DAS) Ciliwung dan Cisadane: Kajian hilangnya keanekaragaman hayati. *Laporan Penelitian. Puslit Biologi LIPI, Bogor*, 48.
- Wulandari, T., Ihsan, M. & Suprayogi, D. 2023. Studi Pendahuluan: Kepiting Air Tawar (*Parathelphusa maindroni*) di Kawasan Geopark Merangin Provinsi Jambi. *Organisms: Journal of Biosciences*, 3, 27-34.
- Yeo, D. C. J., Ng, P. K. L., Cumberlidge, N., Magalhães, C., Daniels, S. R. & Campos, M. R. 2008. Global diversity of crabs (Crustacea: Decapoda: Brachyura) in freshwater. *Hydrobiologia*, 595, 275-286.
- Zimmerman, J. & Covich, A. 2003. Distribution of juvenile crabs (*Epilobocera sinuatifrons*) in two Puerto Rican headwater streams: Effects of pool morphology and past land-use legacies. *Archiv für Hydrobiologie*, 158, 343-357.