

DAFTAR PUSTAKA

- Adebayo Adeyinka, & Pierre., L. (2020). *Organophosphates*. The National Center for Biotechnology Information. <https://www.ncbi.nlm.nih.gov/books/NBK499860/>
- Atite, S. A. (2018). Study the Effect of the Duration Exposure for Lethal and Sub-Lethal Concentrations of Organophosphorus Chlorpyrifos Pesticide for Freshwater Fish Common Carp (Cyprinus carpio) (Linn) and Liza abu (Haeckel) Fishes. *Journal of Chemical and Pharmaceutical Research*, 10(6), 48–57.
- Al-otaibi, A. M., Al-balawi, H. F. A., Ahmad, Z., & Suliman, E. M. (2019). Toxicity bioassay and sub-lethal effects of diazinon on blood profile and histology of liver , gills and kidney of catfish , Clarias gariepinus. *Brazilian Journal of Biology*, 79(2), 326–336.
- Barbieri, E., & Ferreira, L. A. A. (2011). Effects of the organophosphate pesticide Folidol 600® on the freshwater fish, Nile Tilapia (Oreochromis niloticus). *Pesticide Biochemistry and Physiology*, 99(3), 209–214. <https://doi.org/10.1016/j.pestbp.2010.09.002>
- Barile, F. . (2003). *Clinical Toxicology Principle and Mechanism*. CRC Press.
- Blaise, C., & Férand, J.-F. (2005). *Small-scale Freshwater Toxicity Investigations* (Vol. 8, Issue 9). <https://doi.org/10.1017/CBO9781107415324.004>
- Blann, K. L., Anderson, J. L., Sands, G. R., & Vondracek, B. (2009). *Effects of agricultural drainage on aquatic ecosystems: A review*. 39(11), 909–1001. <https://doi.org/10.1080/10643380801977966>
- Colerangle, J. B. (2017). *Preclinical Development of Nononcogenic Drugs (Small and Large Molecules)* (Second Edi). Elsevier Inc. <https://doi.org/10.1016/b978-0-12-803620-4.00025-6>
- Commission, E. (1993). *Official Journal of the European Communities*.
- Dinas Pertanian Daerah Istimewa Yogyakarta. (2016). *Residu Pestisida pada Produk Pertanian*. <http://distan.jogjaprov.go.id/residu-pestisida-pada-produk-pertanian/>
- EPA. (2000). *Pesticides - Fact Sheet for Ethyl parathion*. December 1986, 6. https://www3.epa.gov/pesticides/chem_search/reg_actions/reregistration/fs_P_C-057501_1-Sep-00.pdf?fbclid=IwAR2rJnBLqL46tJSzbO-9HW8HvPGOcdhgNoCWvSQJpxaTdxJN5hRDwNs3U
- Evri Noerbaeti. (2001). *Uji Toksisitas Ekstrak Daun Bakau Soneratia alba Terhadap Artemia*. 1988, 94–101.
- Fanta, E., Rios, F. S., Romão, S., Vianna, A. C. C., & Freiberger, S. (2003). Histopathology of the fish Corydoras paleatus contaminated with sublethal levels of organophosphorus in water and food. *Ecotoxicology and Environmental Safety*, 54(2), 119–130. [https://doi.org/10.1016/S0147-6513\(02\)00044-1](https://doi.org/10.1016/S0147-6513(02)00044-1)

- Fitriadi, B. R., & Putri, A. C. (2016). Metode-Metode Pengurangan Residu Pestisida pada Hasil Pertanian. *Jurnal Rekayasa Kimia & Lingkungan*, 11(2), 61. <https://doi.org/10.23955/rkl.v11i2.4950>
- Ghazala, Ghazala, Mahboob, S., Al-Ghanim, K. A., Sultana, S., Alkahem Al-Balawi, H. F., Sultana, T., Al-Misned, F., & Ahmed, Z. (2014). Acute toxicity II: Effect of organophosphates and carbamates to Catla catla fingerlings. *Journal of Animal and Plant Sciences*, 24(6), 1795–1801.
- Gill, H. K., & Garg, H. (2014). *Pesticides: Environmental Impacts and Management Strategies*. <https://www.intechopen.com/books/pesticides-toxic-aspects/pesticides-environmental-impacts-and-management-strategies>
- Glennon, J. D. (2000). *Molecular Recognition Technology, in Inorganic Extraction*. 3400–3409. <https://doi.org/10.1016/b0-12-226770-2/02051-2>
- Hartini, E. (2014). Kontaminasi Residu Pestisida Dalam Buah Melon (Studi Kasus Pada Petani Di Kecamatan Penawangan). *KESMAS - Jurnal Kesehatan Masyarakat*, 10(1), 96–102. <https://doi.org/10.15294/kemas.v10i1.3075>
- Helfrich, L. A., Weigmann, D. L., Hipkins, P., & Stinson, E. R. (2009). *Pesticides and Aquatic Animals: A Guide to Reducing Impacts on Aquatic Systems*. Virginia Cooperative Extension. <https://www.pubs.ext.vt.edu/420/420-013/420-013.html#:~:text=Habitat%20Alteration,supply%20when%20pesticides%20are%20applied>
- Irawan, H. (2019). Potensi hibridisasi antara ikan lele dumbo Clarias gariepinus dan ikan sembilang Plotosus canius. *Intek Akuakultur*, 3(1), 139–148. <https://doi.org/10.31629/intek.v3i1.1289>
- Jamin, & Erlangga. (2014). Pengaruh insektisida golongan organofosfat terhadap benih ikan nila gift (*Oreochromis niloticus*, Bleeker): analisis histologi hati dan insang. *Acta Aquatica*, 1(1), 24–30. <https://doi.org/10.29103/aa.v1i1.299>
- Jamin, & Erlangga. (2016). *Pengaruh insektisida golongan organofosfat terhadap benih ikan nila gift (*Oreochromis niloticus*, Bleeker): analisis histologi hati dan insang*. <https://doi.org/10.29103/aa.v1i1.299>
- Jordaan, M. S., Reinecke, S. A., & Reinecke, A. J. (2013a). Biomarker responses and morphological effects in juvenile tilapia *Oreochromis mossambicus* following sequential exposure to the organophosphate azinphos-methyl. *Aquatic Toxicology*, 144–145, 133–140. <https://doi.org/10.1016/j.aquatox.2013.10.007>
- Jordaan, M. S., Reinecke, S. A., & Reinecke, A. J. (2013b). *Biomarker responses and morphological effects in juvenile tilapia *Oreochromis mossambicus* following sequential exposure to the organophosphate azinphos-methyl*. 144–145, 133–140. <https://doi.org/10.1016/j.aquatox.2013.10.007>
- Junning, C., Zhou, X., Xue, Y., Lucentea, D., & Lagana, C. (2019). Top 10 species groups in global aquaculture 2017. *Food and Agriculture Organization of the United Nations*, June, 7. <http://www.fao.org/3/ca5224en/ca5224en.pdf>
- Kandiel, M. M. M., El-Asely, A. M., Radwan, H. A., & Abbass, A. A. (2014).

- Modulation of genotoxicity and endocrine disruptive effects of malathion by dietary honeybee pollen and propolis in Nile tilapia (*Oreochromis niloticus*). *Journal of Advanced Research*, 5(6), 671–684. <https://doi.org/10.1016/j.jare.2013.10.004>
- Kementerian Kesehatan Republik Indonesia. (2016). *Pedoman Pestisida Aman dan Sehat di Tempat Kerja Sektor Pertanian*.
- Khalid Abdullah Al-Ghanim. (2012). Malathion toxicity in Nile tilapia, *Oreochromis niloticus* - A haemotological and biochemical study. *African Journal of Agricultural Research*, 7(4), 561–567. <https://doi.org/10.5897/ajar11.1401>
- Koesoemadinata., S. (n.d.). *Toksitas Akut Formulasi Insektisida Endosulfan, Klorpirifos, Dan Klorfluazuron Pada Tiga Jenis Ikan Air Tawar Dan Udang Galah TAWAR DAN UDANG GALAH*. 36–43.
- Lee, B., Duong, C. N., Cho, J., Lee, J., Kim, K., Seo, Y., Kim, P., Choi, K., & Yoon, J. (2012). *Toxicity of citrate-capped silver nanoparticles in common carp (Cyprinus carpio)*. 2012. <https://doi.org/10.1155/2012/262670>
- Lu, F. C., & Kacew, S. (2002). *Basic Toxicology* (fourth edi, Vol. 8, Issue 9). <https://doi.org/10.1017/CBO9781107415324.004>
- M. Yusuf Arifin. (2016). Pertumbuhan dan Survival Rate Ikan Nila (*Oreochromis*. Sp) Strain Merah dan Strain Hitam yang Dipelihara Pada Media Bersalinitas. *Jurnal Ilmiah Universitas Batanghari Jambi*, 16(01), 8. <https://media.neliti.com/media/publications/225451-pertumbuhan-dan-survival-rate-ikan-nila-ca60fb67.pdf>
- Majumder, R., & Kaviraj, A. (2019). Acute and sublethal effects of organophosphate insecticide chlorpyrifos on freshwater fish *Oreochromis niloticus*. *Drug and Chemical Toxicology*, 42(5), 487–495. <https://doi.org/10.1080/01480545.2018.1425425>
- McConnell, L. L., Kelly, I. D., & Jones, R. L. (2017). *Integrating Technologies to Minimize Environmental Impacts*. The Royal Society of Chemistry. <https://pubs.rsc.org/en/content/chapterhtml/2016/bk9781782626909-00001?isbn=978-1-78262-690-9#cit45>
- Megawati, I. A. (2015). Uji Toksisitas Deterjen terhadap Ikan Nila (*Orheochromis niloticus*). *Manajemen Sumberdaya Perairan, FIKP.UMRAH*, 1–10.
- Michael. A. Kamrin. (2010). *Pesticides Profile (Toxicity, Environmental Impact, and Fate)*. <http://weekly.cnbnews.com/news/article.html?no=124000>
- Mishra, A. K., Gopesh, A., & Singh, K. P. (2020). Acute toxic effects of chlorpyrifos on pseudobranchial neurosecretory system, brain regions and locomotory behavior of an air-breathing catfish, *Heteropneustes fossilis* (Bloch 1794). *Drug and Chemical Toxicology*, 0(0), 1–10. <https://doi.org/10.1080/01480545.2020.1762631>
- Musman, M., Karina, S., & Melanie, K. (2010). *Uji selektivitas ekstrak etil asetat (EtOAc) biji putat air (Barringtonia racemosa) terhadap keong mas (Pomacea canaliculata) dan ikan lele lokal (Clarias batrachus)* The

selectivity test of ethyl acetate extract (EtOAc) of putat air kernel ' s (. 1(1), 27–31.

- Mustafa, G., Mahboob, S., Al-Ghanim, K. A., Sultana, S., Al- Balawi, H. F. A., Sultana, T., Al-Misned, F., & Ahmed, Z. (2014). Acute toxicity I: effect of profenofos and triazophos (organophosphates) and carbofuran and carbaryl (carbamates) to Labeo rohita. *Toxicological and Environmental Chemistry*, 96(3), 466–473. <https://doi.org/10.1080/02772248.2014.952517>
- Narra, M. R. (2016). Chemosphere Single and cartel effect of pesticides on biochemical and haematological status of Clarias batrachus : A long-term monitoring. *Chemosphere*, 144, 966–974. <https://doi.org/10.1016/j.chemosphere.2015.09.065>
- National Center for Biotechnology Information. (2020). *Parathion*. PubChem. <https://pubchem.ncbi.nlm.nih.gov/compound/Parathion>
- Nikam, S. M., Shejule, K. B., & Patil, R. B. (2011). Study of acute toxicity of metasystox on the freshwater fish, Nemacheilus botia, from Kedrai dam in Maharashtra, India. *Pesticide Biochemistry and Physiology*, 3(4), 13–17.
- Ongley, E. D. (1996). *Chapter 4: Pesticides as water pollutants*. Food and Agriculture Organization of the United Nations Rome, 1996. <http://www.fao.org/3/w2598e/w2598e07.htm>
- Picciotto, I. H., Sass, J. B., Engel, S., Bennett, D. H., Bradman, A., Eskenazi, B., Lanphear, B., & Whyatt, R. (2018). *Organophosphate exposures during pregnancy and child neurodevelopment: Recommendations for essential policy reforms*. Plos Medicine. <https://journals.plos.org/plosmedicine/article?id=10.1371/journal.pmed.1002671>
- Prabowo, R., & Subantoro, R. (2012). Kualitas Air dan Beban Pencemaran Pestisida di Sungai Babon Kota Semarang. *Mediagro*, 8(1), 9–17.
- Rand, G. M., & Petrocelli, S. R. (1985). *Fundamentals of aquatic toxicology: Methods and applications*. Hemisphere Publishing Corporation.
- Rauf, A. (2015). Acute toxicity and effects of malathion exposure on behavior and hematological indices in Indian carp, Cirrhinus mrigala (Hamilton). *International Journal of Aquatic Biology*, 3(4), 199–207. <https://doi.org/10.22034/ijab.v3i4.98>
- Robb, E. L., & Baker., M. B. (2019). *Organophosphate Toxicity*. The National Center for Biotechnology Information. <https://www.ncbi.nlm.nih.gov/books/NBK470430/>
- Romeo, & Rengam. (1999). *Awas Pestisida Berbahaya Bagi Kesehatan*. Yayasan Duta Awam.
- Rossiana, N. (2006). Uji Toksisitas Limbah Cair Tahu Sumedang Terhadap Reproduksi Daphnia carinata King. *Toksikologi Lingkungan*, 1–19.
- Sadat Sadeghi, M. (2018). Evaluation of toxicity and lethal concentration (LC50) of silver and selenium nanoparticle in different life stages of the fish Tenualosa ilish (Hamilton 1822). *Oceanography & Fisheries Open Access*

- Journal*, 7(5). <https://doi.org/10.19080/ofoaj.2018.07.555722>
- Sitio, M. H. F., Jubaedah, D., & Syaifudin, M. (2017). Kelangsungan Hidup Dan Pertumbuhan Benih Ikan Lele (*Clarias sp.*) Pada Salinitas Mesia yang Berbeda. *Jurnal Akuakultur Rawa Indonesia*, 1(2), 22–25.
- Soemirat. (2003). *Toksikologi Lingkungan*. Gadjah Mada University Press.
- Srivastav, A. K., Srivastava, S. K., Tripathi, S., & Mishra, D. (2012). Acta Scientiarum Morpho-toxicology of chlorpyrifos to prolactin cells of a freshwater catfish , *Heteropneustes fossilis*. *Acta Scientiarum*, 443–449. <https://doi.org/10.4025/actascibiolsci.v34i4.9134>
- Srivastava, A. K., Mishra, D., Shrivastava, S., Srivastav, S. K., & Srivastav, A. K. (2010). Acute toxicity and behavioural responses of *Heteropneustes fossilis* to an organophosphate insecticide, dimethoate. *International Journal of Pharma and Bio Sciences*, 1(4).
- Tarwotjo, U., Situmorang, J., Soesilohadi, R. C. H., Soedarto, J. P. H., Semarang, S. H. T., Hama, J., Pertanian, F., Mada, U. G., Flora, J., Bulak, N., & Fax, T. (2014). Monitoring Resistensi Populasi *Plutella xylostella* , L Terhadap Residu Emamektin Benzoat di Sentra Produksi Tanaman Kubis rovinsi Jawa Tengah. *J. MANUSIA DAN LINGKUNGAN*, 21(2), 202–212.
- Taufik, I. (2011). *Pencemaran Pestisida Pada Perairan Perikanan*. 6(1), 69–75.
- Taufik, I., & Setiadi, E. (2012). Toksisitas Serta Potensi Bioakumulasi Dan Bioeliminasi Insektisida Endosulfan Pada Ikan Mas (*Cyprinus carpio*). *Jurnal Riset Akuakultur*, 7(1), 131. <https://doi.org/10.15578/jra.7.1.2012.131-143>
- Tiwari, R. K., Singh, S., & Pandey, R. S. (2019). Assessment of the acute toxicity of chlorpyrifos and cypermethrin to *Heteropneustes fossilis* and their impact on acetylcholinesterase activity. *Drug and Chemical Toxicology*, 42(5), 463–470. <https://doi.org/10.1080/01480545.2017.1410171>
- United States Environmental Protection Agency. (2002). *Methods for Measuring the Acute Toxicity of Effluents and Receiving Waters to Freshwater and Marine Organisms Fifth Edition October 2002*. 232(October), 266. <http://www.epa.gov/waterscience/WET/disk1/ctm.pdf>
- United States Environmental Protection Agency. (2013). *Organophosphate Insecticides* (pp. 43–55). <https://doi.org/10.1002/9780470699010.ch50>
- United States Environmental Protection Agency. (2020). *Insecticides*. Epa.Gov. <https://www.epa.gov/caddis-vol2/insecticides>
- Verma, V. K., & Saxena, A. (2013). Investigations on the acute toxicity and behavioural alterations induced by the organophosphate pesticide, chlorpyrifos on *puntius chola* (Hamilton-buchanan). *Indian Journal of Fisherrie*, 60(3), 141–145.
- Vreede, D., D.H, B., H, S., & J.J.V, H. (1998). *Exposure and Risk Estimation for Pesticides in High-Volume Spraying* (B. O. H. Society (ed.)).
- Wahyuni, S. (2010). *Perilaku petani bawang merah dalam Penggunaan dan*

penanganan pestisida serta Dampaknya terhadap lingkungan. Program Pascasarjana Universitas Diponegoro.

WHO. (2019). *The WHO recommended classification of pesticides by hazard and guidelines to classification.*

Widiastuti, I. M. (2009). Pertumbuhan dan kelangsungan hidup (survival rate) ikan mas (*Cyprinus carpio*) yang dipelihara dalam wadah terkontrol dengan padar penebaran yang berbeda. *Media Litbang Sulteng*, 2(2), 126–130.

Yulan, A., P, I. A. A., & Gemputri, A. A. (2013). Tingkat Keberhasilan Kelangsungan Hidup Benih Ikan Nila Gift (*Oreochromis niloticus*) Pada Salinitas Yang Berbeda. *Jurnal Perikanan (J. Fish. Sci.)*, 15(2), 78–82. <https://doi.org/10.22146/jfs.9100>

Zahan, M., Islam, M., Mahajebin, T., Rahman, M., & Hossain, A. (2019). Toxicity bioassay of chlorpyrifos on some local fish species of northern Bangladesh. *International Journal of Agricultural Research, Innovation and Technology*, 9(1), 42–47. <https://doi.org/10.3329/ijarit.v9i1.42948>

