

## PUSTAKA ACUAN

- Akaneme, F. I., and C. C. Amaefule. 2012. Evaluation of the cytotoxicity and genotoxicity of aqueous leaf extracts of *Azadirachta indica* A. Juss using the Allium test. *Journal of Medicinal Plants Research* 6 (22) : 3898-3907
- Aktar, M. W., D. Sengupta., dan A. Chowdhury. 2009. Impact of Pesticides Use in Agriculture: Their Benefits and Hazards. *Interdisciplinary Toxicology* 2 (1) : 1-12
- Al-Ahmadi, M. S. 2013. Cytogenetic Effects of Two Synthetic Pesticides on Mitotic Chromosome on Root Tip Cells of *Allium cepa*. *Cytologia* 78 (1) : 3-8
- Alviani, P. 2015. *Bertanam Hidroponik*. Jakarta : Bibit Publisher. P 7-9
- Chen, Z. M., M. J. Zablk., and R. A. Leavitt. 1984. Comparative study of thin film photodegradative rates for 36 pesticides. *Ind Eng Chem Prod Res Dev* 23 (1) : 5-11
- Darma, W. A., A. D. Susila., dan D. Dinarti. 2015. Pertumbuhan dan Hasil Bawang Merah Asal Umbi TSS Varietas *Tuk-Tuk* Pada Ukuran dan Jarak Tanam yang Berbeda. *Agrovigor* 8 (2) : 1-7
- Fajriyah, N. 2017. Kiat Sukses Budidaya Bawang Merah. Yogyakarta : Biogenesis, P 8-17
- Farooq, S., S. U. Ganaie., K. Nissar., P. Firdous., K. A. Bhat., and H. Qadri. 2018. Effects of Insecticide-Difenoconazole and Fungicide Chlorpyrifos on *Azolla cristata* and *Salvinia natans*. *International Journal of Advance Research in Science and Engineering* 07 (4) : 1847-1857
- Farre M., J. Fernandez., M. Paez., L. Granada., L. Barba., H. M. Gutierrez., C. Pulgarin., and D. Barcelo. 2002. Analysis and Toxicity of Methomyl and Ametryn After Biodegradation. *Anal Bioanal Chem* (373) : 704-709
- Fatma, F., S. Verma., A. Kamal., and A. Srivastava. 2017. Phytotoxicity of pesticides mancozeb and chlorpyrifos: correlation with the antioxidative defence system in *Allium cepa*. *Physiol Mol Biol Plants* 1-10
- Fauziah, A. 2015. Pengaruh Hidroksiquinolin pada Pembuatan Preparat Kromosom Akar dan Kalus Bawang Putih (*Allium sativum* L.). *Natural* 3 (1) : 65-68
- Heong, K. L., K. H. Tan., C. P. F. Garcia., L. T. Fabellar., and Z. Lu. 2011. *Research Methods Toxicology and Insecticide Resistance Monitoring of Rice Planthoppers*. Manila : International Rice Research Institute (IRRI). P 21,23
- ITIS. 2020. *Allium ascalonicum*. <https://www.itis.gov> akses pada tanggal 28 feb 2020
- Kamrin, M. A. 1997. *Pesticide profiles : toxicity, environmental impact, and fate*. New York : lewis publisher. P 76-78.

- Koksal, Z., R. Kalin., I. Gulcin., and H. Ozdemir. 2018. Inhibitory effects of selected pesticides on peroxidases purified by affinity chromatography. *Internatinal Journal of Food Properties* 21 (1) : 385-394
- Lamsal, K., P. Sharma., B. Ghimire., and S. W. Kim. 2010. Genotoxicity evaluation of the insecticide ethion in root of *Allium cepa* L. *African Journal of Biotechnology* 9 (27) : 4204-4210
- Malato, S., J. Blanco., J. Caceres., A. R. Fernandez-Alba., A. Aguera., and A. Rodriguez. 2002. Photocatalytic treatment of water-soluble pesticides by photo-Fenton and TiO<sub>2</sub> using solar energy. *Catal Today* 76 : 209–220
- Miles. C. J., and W. C. Oshiro. 1990. Degradation of methomyl in chlorinated water. *Environ Toxicol Chem* 9 : 535–540
- Motlagh, H. R. M., A. Mostafaie., and K. Mansouri. 2010. Anticancer and anti-inflamantory activities of shallots (*Allium ascalonicum*) extract. *Arc Medical Science* 7 (1) : 38-44
- Paranjape, K., V. Gowariker., V. N. Krishnamurthy., and S. Gowariker. 2015. *The Pesticide Encyclopedia*. Croydon : CPI group (UK) Ltd. P 303
- Parween, T., S. Jan., M. Uzzafar., and T. Fatma. 2011. Alteration in Ntrogen Metabolism and Plant Growth During Different Developmental Stages of Green Gram (*Vigna radiata* L.) in Response to Chlorpyrifos. *Acta Physiol Plant* 33 : 2321 – 2328
- Ratnawati., S. Sjam., A. Rosmana., U. S. Tresnaputra., dan K. Jaya. 2020. Impact of Pesticide Application In High Frequency on Stomatal Number at Local Shallot in Palu Valley. *IOP Conf. Series: Earth and Environmental Science* 486 : 1- 6
- Ranjana, P. K., J. E. Thoppil., and A. Sheela. 2013. Evaluation of genotoxic effects of baking powder and MSG using *Allium cepa* assay. *International Journal of Pharmacy and Pharmaceutical Sciences* 5 (2) : 311-316
- Roberts, T. R. And D. H. Hulton. 1999. Metabolic Pathways of Agrochemicals Insecticides and Fungicides. UK : The Royal Society of Chemistry. P 540
- Robinowitch, H. D and L. Currah. 2002. *Allium Crop Science : Recent Advances*. New York : CABI Publishing. P 424-425
- Shakir, S. K., S. Irfan., B. Akhtar., S. Rehman., M. K. Daud., N. Taimur., and A. Azizullah. 2015. Pesticide-induced Oxidative Stress and Antioxidant Responses in Tomato (*Solanum lycopersicum*) seedlings. *Ecotoxicology* 27 : 919-935
- Sharma, A., V. Kumar., R. Kumar., B. Shahzad., A. K. Thukral., and R. Bhardwaj. 2018. Brassinosteroid-mediated Pesticide Detoxification in Plant: A mini-review. *Cogent Food and Agriculture* 4 (1) : 1-15
- Sharma, A., V. Kumar., A. K. Thukral., and R. Bhardwaj. 2019. Responses of Plants to Pesticide Toxicity : an overview. *Planta Daninha* 37 (1) : 1-5

- Soeksmanto, A., P. Simanjuntak., dan M. A. Subroto. 2009. Uji Toksisitas Akut Ekstrak Air Tanaman Sarang Semut (*Myrmecodia pendans*) Terhadap Organ Hati Mencit. *Jurnal Nature Indonesia* 12 (2) : 152-155
- Sulistyaningsih, E. 2004. Fertilitas Tanaman Bawang Merah *Doubled Haploid*. *Ilmu Pertanian* 11 (1) : 1-6
- Sutarminingsih, Ch. L. 2003. *Vertikultur "Pola bertanam secara vertikal"*. Yogyakarta : Penerbit Kanisius. P 80
- Tamimi, M., S. Qourzal., A. Assabbane., J. M. Chovelon., C. Ferronatob., Y. Ait-Ichoua. 2006. Photocatalytic degradation of pesticide methomyl: determination of the reaction pathway and identification of intermediate products. *Photochem Photobiol Sci* 5 : 477-482
- Tomasevic, A., D. Mijin., and E. Kiss. 2010. Photochemical behavior of the insecticide methomyl under different conditions. *Separ Sci Technol* 45 : 1617-1627
- Trdan, S. 2016. *Insecticide Resistance*. Croatia : IntechOpen. P 299
- Tusi, A. 2016. *Teknik hidroponik : Seri teknologi hidroponik#1 : teknik dasar hidroponik dan budidaya*. Lampung : Agritusi Farm. P 12-13
- Van scoy, A. R., M. Yue., X. Deng., and R. S. Tjeederma. 2013. *Enviromental Fate and Toxicology of Methomyl*. New York : Springer. P 105
- Verma, S., K. Arora., and A. Srivastava. 2016. Monitoring of genotoxic risks of nitrogen fertilizers by *Allium cepa* assay. *International Journal of Cytology, Cytosystematics, and Cytogenetics* 69 (4) : 343-350