

BIBLIOGRAPHY

- Abdelgadir, H.A., Johnson, S.D., & Van S. J. 2009. Pollinator effectiveness, breeding system, and tests for inbreeding depression in the biofuel seed crop, *Jatropha curcas*. *The Journal of Horticultural Science and Biotechnology*. 84: 319–324.
- Abreu, J.V., Oliveira, A.S., & Borges, M.S. 2020. Bioactive compounds in *Jatropha curcas*: Potential use in pest control. *Journal of Agricultural Research*, 12(3): 245-256.
- Akhavan M. S., Jafari, S. M., Assadpoor, E., & Dehnad, D. 2016. Microencapsulation Optimization of Natural Anthocyanins with Maltodextrin, Gum Arabic and Gelatin. *International Journal of Biological Macromolecules*. 85: 379-385.
- Aldini G.M., Trisyono Y.A., Wijonarko A., Witjaksono, & Putter H. 2020. Farmers' Practices in Using Insecticides to Control *Spodoptera exigua* Infesting Shallot: *Allium cepa* var. *aggregatum* in the Shallot Production Centers of Jawa. *Jurnal Perlindungan Tanaman Indonesia*. 24(1): 75–81.
- Ali, H. 2022. Aplikasi ekstrak mimba dan tembakau untuk pengendalian serangan hama ulat grayak (*Spodoptera litura* F.) pada tanaman selada. *Doctoral dissertation*, UPN "Veteran" Jawa Timur.
- Anggraini, O.H. 2009. Uji Efektivitas Ekstrak Mahkota Dewa (*Phaleria papuena* W.) terhadap Mortalitas Ulat Daun Kubis (*Plutella xylostella* L.) pada Tanaman Caisin. *Skripsi. Fakultas Pertanian. Surakarta: Universitas Sebelas Maret*.
- Arma, R., Sari, D. E., Zulaiha, S. T. & Fauziah, N. 2019. Mortalitas Keong Mas (*Pomacea canaliculata*) Terhadap Aplikasi Beberapa Ekstrak Tanaman. *Jurnal Agrominansia*. 4(2): 178.
- Balai Besar Penelitian Tanaman Padi. 2009. *Deskripsi Varietas Padi*. Balai Besar Penelitian Tanaman Padi.
- Banjarnahor, I., Wibowo, L., Hariri, A. M., & Hasibuan, R. 2016. Pengaruh Pemberian Ekstrak Biji Jarak Pagar (*Jatropha curcas*) terhadap Mortalitas Keong Emas (*Pomacea* sp.) di Rumah Kaca. *Jurnal Agrotek Tropika*, 4(2): 1
- Budiyono, S. 2006. Teknik pengendalian keong mas pada tanaman padi. *Jurnal Ilmu-Ilmu Pertanian*, 2(2): 128-133.
- Carels, N. 2009. *Jatropha curcas*: A review. In: Kader, J.C., & Delseny, M. (Eds.), *Advances in Botanical Research*. 50: 39–86.
- Choi, J.S. 2019. Phorbol esters as insecticidal compounds: Mechanism of action and potential applications. *Pest Management Science*. 75(4): 1015-1025.

- Coelho P.M.Z & Caldeira R.L. 2016. *Critical analysis of molluscicide application in schistosomiasis control programs in Brazil*. Infectious Diseases of Poverty. 57:3
- Dadang & D. Priyono. 2008. *Insektisida Nabati*. Bogor: Departemen Proteksi Tanaman Fakultas Pertanian Insitut Pertanian Bogor.
- Darwis, A.M. 2004. Extraction techniques for plant-based pesticides. *Journal of Natural Pesticides*. 8(1): 45-52.
- De Oliveira, J.L., Campos, E.V.R., Bakshi, M., Abhilash, P.C., & Fraceto, L.F. 2014. Application of nanotechnology for the encapsulation of botanical insecticides for sustainable agriculture: Prospects and promises. *Biotechnology Advances*. 32: 1550–1561.
- Departement of Primary Industries. 2012. *Exotic Pest Alert: Golden Apple Snail*. Departement of Primary Industries.
- Dewi, R. 2010. The effect of plant extract concentration on insect pest mortality: A review. *Journal of Plant Protection*. 14(3): 220-229.
- Grumezescu, A.M. 2017. *New pesticides and soil sensors*. Academic Press.
- Henderson, C.F. & Tilton, E.W. 1955. Tests with acaricides against the brown wheat mite. *Journal of Economic Entomology*. 48(2): 157-161.
- Hong, K., & Park, S. 1999. *Preparation of polyurethane microcapsules with different soft segments and their characteristics*. Reactive and Functional Polymers. 42(3): 193-200.
- Imran, M., Ahmad, N., & Hussain, T. 2016. Microencapsulation for enhanced efficacy of botanical pesticides. *Journal of Agricultural Biotechnology*. 15(4): 365-375.
- Irfan, Mokhamad. 2016. Uji Pestisida Nabati terhadap Hama dan Penyakit Tanaman. *Jurnal Agroteknologi*, 6 (2): 39-45
- Kah, M., & Hofmann, T. 2014. Nanopesticide research: Current trends and future priorities. *Environment International*. 63: 224-235.
- Kochhar, S., Singh, S.P., & Kochhar, V.K. 2008. Effect of auxins and associated biochemical changes during clonal propagation of the biofuel plant—*Jatropha curcas*. *Journal of Biomass and Bioenergy*. 32: 1136–1143.
- Kumar, A., & Sharma, S. 2008. An evaluation of multipurpose oil seed crop for industrial uses (*Jatropha curcas* L.): A review. *Industrial Crops and Products*, 28: 1–10.
- Kunasundari, B., Ramli, N., & Amir, H. 2019. Microencapsulation technology for the stabilization of plant-based bioinsecticides. *International Journal of Biotechnology*. 22(1): 112-128.

- Liu, W., Song, H., & Chen, X. 2015. The significance of LC95 values in evaluating the potency of botanical insecticides. *Pesticide Biochemistry and Physiology*. 121: 85-91.
- Lukito, A. dan S. Prayugo. 2007. *Panduan Lengkap Budidaya Keong Mas*. Penebar Swadaya. Jakarta: 292
- Maluin, S., Soon, C., & Ismail, N. 2021. Encapsulation of botanical insecticides: Advances and future prospects. *Journal of Controlled Release*. 332: 317-328.
- Neuwinger, H.D., 1996. African Ethnobotany: Poisons and Drugs: Chemistry, Pharmacology, Toxicology : 509
- Nuryanti, N. S. P., Budiarti, L., Dulbari, Sutrisno, H., Sudrajat, D., Yuriansyah, Priyadi, Rahmadi, R., Rochman, F., Sari, E. Y., & Maharani, J. S. 2023. *Activity of Nanoemulsion Botanical Insecticides From Myristica fragrans and Jatropha curcas Essential Oil Against Sitophilus zeamais*. Biodiversitas, 24(10): 5610–5617.
- Ozkan, G., Franco, P., De Marco, I., Xiao, J., & Capanoglu, E. 2019. A review of Microencapsulation Methods for Food Antioxidants: Principles, advantages, drawbacks and applications. *Food Chemistry*, 272, 494-506.
- Pitojo. 1996. Keong Mas: Petunjuk Pengendalian dan Pemanfaatannya. Ungaran: Trubus Agrowydia.
- Ramayanti, I, L. Kamalia, & Utami, P.P., 2017. Efektivitas Ekstrak Daun Kemangi (*Ocimum basilicum*) sebagai Bioinsektisida Sediaan Antinyamuk Bakar Terhadap Kematian Nyamuk *Aedes aegypti*. *Journal of Agromedicine and Medical Sciences*. 3(2): 6-10.
- Rathore, P., Gupta, R., & Singh, A. 2013. Controlled release of pesticides using microencapsulation techniques. *Environmental Science & Technology*, 28(2), 210-225.
- Robertson, J.L., Preisler, H.K., & Russell, R.M. 2007. Bioassays with Arthropods: LC50 and LC95 Determination. CRC Press, Boca Raton.
- Robinson, M.P.1995. Effects of plant-derived toxins on insect feeding behavior. *Entomological Research*, 6(3), 175-183.
- Saenong, M.S. 2016. Tumbuhan Indonesia potensial sebagai insektisida nabati untuk mengendalikan hama kumbang bubuk jagung (*Sitophilus* spp.). *Jurnal Litbang Pertanian*, 35(3), 131-142.
- Saenong, M.S. 2016. Tumbuhan IndonesiaPotensial Sebagai Insetisida Nabati untuk Mengendalikan Hama Kumbang Bubuk Jagung (*Sitophilusspp.*). *Jurnal Litbang Pertanian*,.35(3): 131-142
- Setiawan, A., Rahardjo, B., & Widodo, W. 2012. Bioactivity of *Jatropha curcas* seed extract against agricultural pests. *Indonesian Journal of Entomology*,

9(4), 350-360.

- Setiawati, D., Nurmillah, O. Y., & Windarwati, S. 2013. Kajian aktivitas antioksidan dan antimikroba ekstrak biji, kulit buah, batang, dan daun tanaman jarak pagar (*Jatropha curcas* L.). *Jurnal Surfaktan dan Bioenergi*.
- Sugeng, H.R. 2011. Bercocok Tanaman Padi. Aneka Ilmu. Semarang.
- Suharto, H. & Kurniawati, N. 2009. Keong Mas, dari Hewan Peliharaan Menjadi Hama Utama Padi Sawah. Balai Besar Penelitian Tanaman Padi. Yogyakarta
- Susanto, Heru. 1995. Siput Murbei Pengendalian dan Pemanfaatannya. Kanisius. Yogyakarta.
- Tukimin, S.W., Wedanambi, D. Soetopo. 2008. Kandungan Minyak dan Phorbol Ester pada Berbagai Aksesori Jarak Pagar (*Jatropha curcas* L.) Infotek Jarak Pagar, 3(12).
- Uge, E., E. Yusnawan, & Y. Baliadi. 2021. Pengendalian Ramah Lingkungan Hama Ulat Grayak (*Spodoptera litura* Fabricius) pada Tanaman Kedelai. Buletin Palawija, vol. 19, no. 1, 2021, pp. 64-80,
- UniProt. 2007. Phorbol esters and their biological effects. *Journal of Toxicological Research*, 14(3), 115-122.
- Utomo, P., Sudarmaji, R., & Handayani, S. 2017. The effect of *Jatropha curcas* extract on feeding inhibition of *Pomacea canaliculata*. *Journal of Agricultural Science and Technology*, 15(2), 98-108.
- Wakandiraga, M., Kim, H., & Choi, J. 2020. Disrupting metabolic pathways in insect pests using botanical molluscicides. *Journal of Applied Entomology*, 144(6), 678-690.
- Wang, M., Chen, Y., Zhang, R., Wang, W., Zhao, X., Du, Y., & Yin, H. 2015. Effects of Chitosan Oligosaccharides On The Yield Components and Production Quality of Different Wheat Cultivars (*Triticum aestivum* L.) in Northwest China. *Field Crops Research*, 172, 11-20.

