

DAFTAR PUSTAKA

- AAK. 2007. Teknik Bercocok Tanam Jagung Manis. Kanisius, Yogyakarta.
- Adiputra, R. 2020. Evaluasi penanganan pasca panen yang baik pada jagung (*Zea mays L.*). Jurnal Agro Wiralodra. 3(1).
- Alattar, M. A., F. N. Alattar, and R. Popa. 2016. Effects of microaerobic fermentation and black soldier fly larvae food scrap processing residues on the growth of corn plants (*Zea mays*). Plant Sci. 3: 57–62.
- Ayu, D. P. F. 2003. Pengaruh penggunaan perekat bentonik dan super bind dalam ransum ayam broiler terhadap sifat fisik selama penyimpanan enam minggu. Skripsi. Fakultas Peternakan. Institut Pertanian Bogor, Bogor.
- Badan Standar Nasional. 2020. SNI Jagung 2020. Jakarta (ID): BSN.
- Barrett, M., S. Y. Chia, B. Fischer, and J. K. Tomberlin. 2022. Welfare considerations for farming black soldier flies, *Hermetia illucens* (Diptera: *Stratiomyidae*): a model for the insects as food and feed industry. Journal of Insects as Food and Feed. 9(2): 119-148.
- Bosch, G., H. J. V. D. Fels-Klerx, T. C. D. Rijk, and D. G. A. B. Oonincx. 2017. Aflatoxin B1 tolerance and accumulation in black soldier fly larvae (*Hermetia illucens*) and yellow mealworms (*Tenebrio molitor*). Toxins. 9(6): 185.
- Cai, M., Y. Qian, N. Chen, T. Ling, J. Wang, H. Jiang, ... and Y. Zhou. 2020. Detoxification of aflatoxin B1 by *Stenotrophomonas sp. CW117* and characterization the thermophilic degradation process. Environmental Pollution, 261: 114178.
- Camenzuli, L., R. V. Dam, T. D. Rijk, R. Andriessen, J. V. Schelt, and H. J. I. V. D. Fels-Klerx. 2018. Tolerance and excretion of the mycotoxins aflatoxin B, zearalenone, deoxynivalenol, and ochratoxin a by *Alphitobius diaperinus* and *Hermetia illucens* from contaminated substrates. Toxins. 10(2): 91.
- Cochrane, B. J., and G. A. Leblanc. 1986. Genetics of xenobiotic metabolism in *Drosophila*: I. Genetic and environmental factors affecting glutathione-S-transfer in larvae. *Biochemical Pharmacology*. 35(10): 1679–1684.
- Collavo, A., R. H. Glew, Y. S. Huang, L. T. Chuang, R. Bosse, and M. G. Paoletti. 2005. House cricket small-scale farming in: paoletti, M.G. (Ed.), ecological implications of minilivestock: potential of insects, rodents, frogs and snails. Science Publishers, New Hampshire, pp. 519–544.

- Cserhádi, M., B. Kriszt, C. Krifaton, S. Szoboszlay, J. Háhn, S. Tóth, ... , and J. Kukolya. 2013. Mycotoxin-degradation profile of *Rhodococcus* strains. *International Journal of Food Microbiology*. 166(1): 176–185.
- Diener, S., C. Zurbrügg, and K. Tockner. 2009. Conversion of organic material by black soldier fly larvae: establishing optimal feeding rates. *Waste Management and Research*. 27(6): 603–610.
- Ediwarman. 2022. *Beternak Magot*. Lily Publisher.
- Eshell, M., L. Harvey, R. Edrada-Ebel, and B. McNeil. 2015. Metabolomics of the bio-degradation process of aflatoxin B1 by *Actinomycetes* at an initial pH of 6.0. *Toxins*. 7(2): 439–456.
- Fahmi, M. R., S. Hem, dan I. W. Subamia. 2007. Potensi maggot sebagai salah satu sumber protein pakan ikan. *Prosiding Seminar Nasional Hari Pangan Sedunia Xxvii*. Ugm. Yogyakarta.
- Fauzi, R. U. A., dan E. R. N. Sari. 2018. Analisis usaha budidaya lalat BSF sebagai alternatif pakan lele. *Industria: Jurnal Teknologi dan Manajemen Agroindustri*. 7(1): 39-46.
- Fente, C. A., O. J. Jaimez, B. I. Vazquez, C. M. Franco, and A. Cepeda. 2001. New additive for culture media for rapid identification of aflatoxin-producing *Aspergillus* strain. *Applied and Environmental Microbiology*. 67(10): 4858-4862.
- Frooninckx, L., L. Broeckx, S. Goossens, A. Wuyts, and S. Van Miert. 2024. Optimizing substrate moisture content for enhanced larval survival and growth performance in *Hermetia illucens*: exploring novel approaches. *Discover Animals*. 1(1): 7.
- Fusetto, R., S. Denecke, T. Perry, R. A. J. O’Hair, and P. Batterham. 2017. Partitioning the roles of CYP6G1 and gut microbes in the metabolism of the insecticide imidacloprid in *Drosophila melanogaster*. *Scientific Reports*. 7(1): 11339.
- Gao, X., Q. Ma, L. Zhao, Y. Lei, Y. Shan, and C. Ji. 2011. Isolation of *Bacillus subtilis*: screening for aflatoxins B1, M1, and G1 detoxification. *European Food Research and Technology*. 232: 957–962.
- Gold, M., J. K. Tomberlin, S. Diener, C. Zurbrügg, and A. Mathys. 2018. Decomposition of biowaste macronutrients, microbes, and chemicals in black soldier fly larval treatment: A review. *Waste Management*. 82: 302–318.
- Hardini, S. Y. P. K. 2021. *Budidaya Lele Menggunakan Pakan Tambahan Maggot*. Ahli media Press.

- Hasil Analisis Laboratorium Bioteknologi Ternak. 2024. Fakultas Peternakan, Universitas Andalas. Padang.
- Hasil Analisis Laboratorium Dasar Dan Sentral. 2024. Universitas Andalas. Padang.
- Hasil Analisis Laboratorium Japfa Comfeed Tbk Padang. 2024. Padang.
- Hasnani, Jamaluddin, dan R. Fadillah. 2019. Pengaruh teknik penyimpanan terhadap pengendalian aflatoksin jagung (*Zea mays L.*) selama penyimpanan. *Jurnal Pendidikan Teknologi Pertanian*. 5: 37-47.
- Histifarina, D., D. Musaddaad, dan E. Murtiningsih. 2004. Teknik pengeringan dalam oven untuk irisan wortel kering bermutu. *Jurnal Hortikultura*. 14(2): 107–112.
- Holmes, E., J. V. Li, J. R. Marchesi, and J. K. Nicholson. 2012. Gut microbiota composition and activity in relation to host metabolic phenotype and disease risk. *Cell Metab*. 16(5): 559-564. DOI: 10.1016/j.cmet.2012.10.007.
- Kumar, A., R. Shukla, P. Singh, and N. K. Dubey. 2010. Chemical composition, antifungal and antiaflatoxic activities of *Ocimum sanctum L.* essential oil and its safety assessment as plant based antimicrobial. *Food and Chemical Toxicology*. 48(2): 539-543.
- Lahouar, A., S. Marin, A. Crespo-Sempere, S. Saïd, and V. Sanchis. 2016. Effects of temperature, water activity and incubation time on fungal growth and aflatoxin B1 production by toxinogenic *Aspergillus flavus* isolates on sorghum seeds. *Revista Argentina de microbiologia*. 48(1): 78-85.
- Meijer, N., G. Stoop, H. J. Van der Fels-Klerx, J. J. A. Van Loon, J. Carney, and G. Bosch. 2019. Aflatoxin B1 conversion by black soldier fly (*Hermetia illucens*) larval enzyme extracts. *Toxins*. 11(9): 532.
- Miskiyah, M., dan W. Widaningrum. 2008. Pengendalian aflatoksin pada pascapanen jagung melalui penerapan HACCP. *Jurnal Standardisasi*. 10(1): 1–10.
- Molenaar, R. 2020. Panen dan pascapanen padi, jagung dan kedelai. *Eugenia*. 26(1).
- Opore, L. O., S. Holm, and T. Esperk. 2022. Temperature-modified density effects in the black soldier fly: low larval density leads to large size, short development time and high fat content. *Journal of Insects as Food and Feed*. 8(7): 783-802.
- Owens, F., S. Soderlund, P. Hi-Bred, dan A. D. Business. 2006. Methods for measuring moisture content of grains and implications for research and

industry. In Proceedings of the Oklahoma State University cattle grain processing symposium. Oklahoma State University, Tulsa, OK (pp. 238-244).

- Popa, R., and T. Green. 2012. Biology and Ecology of the black soldier fly. DipTerra LCC. Lake Oswego, Oregon.
- Rachmawati, R., D. Buchori, P. Hidayat, S. Hem, dan M. R. Fahmi. 2010. Perkembangan dan kandungan nutrisi larva *Hermetia illucens linnaeus* (Diptera: *Startiomyidae*) pada bungkil kelapa sawit. Jurnal Entomologi Indonesian. 7(1): 28.
- Raharjo, E. I., Rachimi, dan M. Arief. 2016. Penggunaan ampas tahu dan kotoran ayam untuk meningkatkan produksi maggot (*Hermetia illucens*). Jurnal Ruaya. 4(1): 10-16.
- Risa, A., C. Krifaton, J. Kukolya, B. Kriszt, M. Cserháti, and A. Táncsics. 2018. Aflatoxin B1 and zearalenone-detoxifying profile of *Rhodococcus* type strains. Current microbiology. 75: 907-917.
- Samuel, M. S., A. Sivaramakrishna, and A. Mehta. 2014. Degradation and detoxification of aflatoxin B1 by *Pseudomonas putida*. International Biodeterioration and Biodegradation. 86: 202–209.
- Serway, R. A., dan J. W. Jewett. 2010. Fisika Untuk Sains dan Teknik, Jakarta: Salemba Teknika.
- Steel, R. G. D., dan J. H. Torrie. 1995. Prinsip dan Prosedur Statistik Suatu Pendekatan Biometrik. Edisi Ke-2, Diterjemahkan oleh Bambang Sumatri. PT. Gramedia Pustaka Utama, Jakarta.
- Subekti, N. A., Syafruddin, R. Efendi, dan S. Sunarti. 2012. Morfologi Tanaman dan fase Pertumbuhan Jagung. Maros: Balai Penelitian Tanaman Serealia.
- Sudjadi. 1988. Metode Pemisahan. Jakarta: Kanisius.
- Sunarti, D., dan A. Turang. 2017. Penanganan panen dan pasca panen jagung untuk tingkat mutu jagung. Balai Pengkajian Teknologi Pertanian Sulawesi Utara.
- Suo, J., T. Liang, H. Zhang, K. Liu, X. Li, K. Xu, ... , and S. Yang. 2023. Characteristics of aflatoxin B1 degradation by *Stenotrophomonas acidaminiphila* and It's combination with black soldier fly larvae. Life 13(1): 234.
- Taib, G., G. Said, dan S. Wiraatamadja. 1988. Operasi Pengeringan Pada Pengolahan Hasil Pertanian. PT. Mediyatama Sarana Perkasa. Jakarta.

- Tambunan, A. H., D. Wulandari, E. Hartulistiyoso, dan L. O. Nelwan. 2001. Pengeringan Industrial. IPB Press, Bogor.
- Tian, J., X. Ban, H. Zeng, J. He, B. Huang, and Y. Wang. 2011. Chemical composition and antifungal activity of essential oil from *Cicuta virosa* L. var. *latisecta* Celak. *International Journal of Food Microbiology*. 145: 464-470.
- Tomberlin, J. K., and D. C. Sheppard. 2002. Factors influencing mating and oviposition of black soldier flies (diptera: *Stratiomyidae*) in a colony. *Journal Of Entomological Science*. 37(4): 345-352.
- Varga, J., J. C. Frisvad, and R. A. Samson. 2011. Two New Aflatoxin Producing Species, and an Overview of *Aspergillus* Section *Flavi*. *Studies in Mycology*. 69: 57-80.
- Wangko, S. 2014. *Hermetia illucens* aspek forensik, kesehatan dan ekonomi. *Jurnal Biomedik*. 6(1).
- Warisno. 2007. *Budidaya Jagung Manis Hibrida*. Kanisius, Yogyakarta.
- Widiastuti, A. L. F. I. N., dan E. R. Palupi. 2008. Viabilitas serbuk sari dan pengaruh terhadap keberhasilan pembentukan buah kelapa sawit. *Biodiversitas*. 9(1): 35-38.
- Xu, Y., R. Zhao, and C. Liu. 2023. Degradation of Aflatoxin B1 in Moldy Maize by *Pseudomonas aeruginosa* and Safety Evaluation of the Degradation Products. *Foods*. 12(6): 1217.
- Yang, F., and Y. Tomberlin. 2020. Comparing selected life-history traits of black soldier fly (diptera: *Stratiomyidae*) larvae produced in industrial and bench-top-sized containers. *Journal of Insect Science*. 20(5): 25.
- Yurina, O. V., and V. P. Karagodin. 2018. Studying development of *Hermetia illucens* fly larvae cultivated on high cellulose plant substrates. *Bulgarian Journal of Agricultural Science*. 24(2).
- Yuwono, A. S., dan P. D. Mentari. 2018. Penggunaan Larva (Maggot) Black Soldier Fly (BSF) dalam Pengolahan Limbah Organik. Seameo Biotrop, Southeast Asian Regional Center for Tropical Biology. Bogor.
- Zarkani, A., dan Miswarti. 2012. Teknik budidaya larva *Hermetia illucens* (*linnaeus*) (Diptera: *Stratiomyidae*) sebagai sumber protein pakan ternak melalui biokonversi limbah loading ramp dari pabrik CPO. *Jurnal Entomologi Indonesia*. 9: 49-56.