

DAFTAR PUSTAKA

- [BPS] Badan Pusat Statistik. 2023. Statistik Indonesia 2023: Produksi Tanaman Buah-buahan 2019-2022. <<https://www.bps.go.id/en/publication/2023/02/28/18018f9896f09f03580a614b/statistical-yearbook-of-indonesia-2023.html>> Diakses pada 2 Januari 2024.
- Agustin, H., Warid, & I. M. Musadik. 2023. Kandungan nutrisi kasgot larva lalat tentara hitam (*Hermetia illucens*) sebagai pupuk organik. Jurnal Ilmu-Ilmu Pertanian Indonesia, 25(1): 12-18.
- Aklirinhua S, Efri, & Prasetyo J. 2015. Keefektifan beberapa spesies Trichoderma dalam mengendalikan penyakit antraknosa (*Colletotrichum musae*) pada buah Pisang Cavendish. Jurnal Agrotek Tropika, 3(2):257-265.
- Ambar, A. A. 2012. Peran berat molekul protein enzim ekstrakseluler *Fusarium oxysporum* f.sp. *cubense* sebagai faktor virulensi pada tanaman pisang. Jurnal Galung Tropika, 1(1): 30-35.
- Arabzadeh, G., M. D. Houde, R. J. Tweddell, M. H. Desch, M. Dorais, Y. lebeuf, N. Derome, & G. Vandenberg. 2022. Diet composition influences growth performance, bioconversion of black soldier fly larvae: agronomic value and in vitro biofungicidal activity of derived frass. Agronomy, 12 (1765): 1-19.
- Basri, N. E., N. A. Azman, I. K. Ahmad, F. Suja, N. A. A. Jalil, & N. F. Amrul. 2022. Potential applications of frass derived from black soldier fly larvae treatment of food waste: a review. Foods, 11: 1-19.
- Bubici, G., M. Kaushal, M. I. Prigigallo, C. G. L. Cabanas, and J. M. Balnco. 2019. Biological control agents against fusarium wilt of banana. Frontier in Microbiology, 10 (616): 1-33.
- Bukhari & N. Safridar. 2018. Pengaruh pemberian *Trichoderma* sp. untuk mengendalikan penyakit layu fusarium pada beberapa jneis pisang di lahan yang telah terinfeksi. Jurnal Ilmiah Pertanian 15(1): 23-34.
- Catambacan, D. G., and Cumagun, C. J. R. 2021. Weed-associated fungal endophytes as biocontrol agents of *Fusarium oxysporum* f. sp. *cubense* TR4 in cavendish banana. Journal of Fungi, 7: 1-15.
- Catambacan, D. G., and Cumagun, C. J. R. 2022. The weed *eleusine indica* as an alternative host of *Fusarium oxysporum* f.sp. *cubense* tropical race 4 causing fusarium wilt in cavendish banana. Journal of Phytopathology, 170 : 7-8.
- Cawoy, H., Debois, D., Franzil, L., De Pauw, E., Thonart, P., and Ongena, M. 2015. Lipopeptides as main ingredients for inhibition of fungal phytopathogens by *Bacillus subtilis/amyloliquefaciens*. Microb. Biotechnol. 8, 281–295.
- Choi, S. & N. Hassanzadeh. 2019. BSFL frass: a novel biofertilizer for improving plant helath while minimizing environmental impact. The Canadian Science Fair Journal, 2(2): 41-46.
- Dita, M. A, C. Waalwijk, I. W. Buddenhagen, M. T. Souza Jr, G. H. J. Kema. 2010. A molecular diagnostic for tropical race 4 of the banana fusarium wilt pathogen. Plant Pathol, 59 (2): 348-357

- Dita, M. A, H. Garming, I. V. Bergh, C. Staver, & T. Lescot. 2013. Banana in Latin America and the Caribbean: current state, challenges and perspectives. *Acta Horticulture*, 986 (986): 365-380.
- Dong, X., Y. Xiong, N. Ling, Q. Shen, & S. Guo. 2014. Fusaric acid accelerates the senescence of leaf in banan when infected by fusarium. *World J Microbiol Biotechnol*, 30: 1399-1408.
- Drenth, A. & G. Kema. 2021. The vulnerability of banans to globally emerging disease threats. *Phytopathology*, 111(12): 2146-2161.
- Dwivanny, F. M., K. Wikantika, A. Susanto, M. F. Ghazali, C. Lim, & G. Kamalesha. 2021. Pisang Indonesia. ITB Press, Jawa Barat.
- Dzepe, D. T. K. Mbenda, G. Ngassa, H. Mube, S. Y. Chia, Y. Aoudou, & R. Djouaka. 2022. Application of black soldier fly frass, *Hermetia illucens* (Diptera: Stratiomyidae) as sustainable organic fertilizer for lettuce, *Latuca sativa* production. *Scientific Research Publishing*, 12: 1632-1648.
- Ellisen, H., R. V. D. Weide, & L. Gollenbeek. 2023. Effects of black soldier fly frass on plant and soil characteristics – a literature overview. Wageningen Research, Report WPR-996.
- FAO. 2019. Food outlook, biannual report on global food markets. Rome.
- Gandjar, I., & M. A. Rifai. 1999. Pengenalan kapang tropik. Yayasan Obor Indonesia, Depok.
- Guo, L., Han, L., Yang, L., Zeng, H., Fan, D., Zhu, Y., & Huang, J. 2014. Genome and transcriptome analysis of the fungal pathogen *Fusarium oxysporum* f. sp. *cubense* causing banana vascular wilt disease. *PLoS One*, 9(4): 1-17.
- Handayani, T., D. Martanti, Y. S. Poerba & Witjaksono. 2017. Deteksi ketahanan beberapa aksesori pisang lokal dan hasil persilangan terhadap penyakit layu fusarium (Foc VCG 01213/16 TR4). *Jurnal Hortikultura Indonesia*, 8(2): 88-96.
- Hutton, P., J. Kough, M. T. Watson, C. Etsitty, Z. Vaituzis, M. Mendelson, & S. Cerelli. 2000. *Bacillus subtilis* strain QST 713 (006479) biopesticide registration action document. U.S. Environmental Protection Agency.
- Joko, T., S. Anggoro, H. R. Sunoko, & S. Rachmawati. 2017. Pesticides usages in the soil quality degradation potential ini Wanasari subdistrict, Brebesm Indonesia. *Hindawi*, 1-7.
- Kaushal, M., G. S. Mahuku, and R. L. Swennen. 2020. Metagenomic insights of the root colonizing microbiome associated with symptomatic and infected fields. *Plants*. 9 (2): 1-18.
- Kiswanti, D., Suryanti & C. Sumardiyono. 2010. Identifikasi dan virulensi *Fusarium oxysporum* f.sp. *cubense* ras 4. *Jurnal Perlindungan Tanaman Indonesia*, 16(1): 28-32.
- Kristiawati, Y., C. Sumardiyono & A. Wibowo. 2014. Uji pengendalian penyakit layu fusarium pisang (*Fusarium oxyporum* f.sp. *cubense*) dengan asam fosfit dan aluminium-fosetil. *Jurnal Perlindungan Tanaman Indonesia*, 18(2): 103-110.
- Kumar, D. P., D. A.P., Singh, R. K., Thenmozhi, R., Nagasathya, A., Thajuddin, N. 2012. Evaluation of extracellular lytic enzymes from indigenous *Bacillus* isolates. *Journal Microbiol. Biotechnol. Res.* 2, 129–137.

- Lopes, I. G., J. WH. Yong, & C. Lalander. 2022. Frass derived from black soldier fly larvae treatment of biodegradable wastes. A critical review and future perspectives. *Waste Management*, 142: 65-76.
- Mak, C., A. A. Mohamed, K. W. Liew, and Y. W. Ho. 2004. Early screening technique for *Fusarium* wilt resistance in banana micropropagated plants. *Banana Improvement*, 219-227.
- Manzo-Sánchez, G., Buenrostro-Nava, M. T., Leopardi, C. L., Orozco-Santos, M., & Guzman-Quesada, M. 2020. Genetic Diversity of *Fusarium* Wilt Disease of Banana. In *Genetic Variation*. IntechOpen.
- Maryani, N., E. R. O. Harahap, R. O. Khastini, & F. Ahmad. 2023. Deteksi penyakit layu fusarium pada pisang-pisang lokal di Pandeglang. *Jurnal Fitopatologi Indonesia*, 19(4): 133-144.
- Maryani, N., L. Lombard., Y. S. Poerba, S. Subandiyah, P. W. Crous, & G. J. H. Kema, 2019. Phylogeny and genetic diversity of the banana *Fusarium* wilt pathogen *Fusarium Oxysporum* f. sp. *cubense* in the Indonesian centre of origin. *Studies in Mycology*, 92: 155–194.
- Mega. I. M. & I. N. Puja. 2018. Pengaruh pupuk organik dan anorganik terhadap sifat kimia tanah dan pertumbuhan tanaman pisang di lahan kering. *Jurnal evolusi Mipa* 2(1): 114-120.
- Mmadi, M., H. A. Azali, D. Mostert, I. Robene, & A. Viljoen. 2023. First report of fusarium wilt of cavenish banana caused by *Fusarium oxysporum* f. sp. *cubense* Tropical Race 4 in the Grande Comoros Island. *Plant Disease*.
- Nadziroh, M. N. 2020. Peran sektor pertanian dalam pertumbuhan ekonomi di Kabupaten Magetan. *Jurnal Agristan*, 2(1): 52-60.
- Nel, B., C. Steinberg, N. Labuschagne, & A. Viljoen. 2006. Isolation and characterization of nonpathogenic *Fusarium oxysporum* isolates from the rhizosphere of healthy banana plants. *Plan Pathology*, 55(2): 207-216.
- Nugraheni, F. T., S. Haryanti & E. Prihastanti. 2019. Pengaruh perbedaan kedalaman tanam dan volume air terhadap perkecambahan dan pertumbuhan benih sorgum (*Sorgum bicolor* (L) Moench). *Buletin Anatomi dan Fisiologi*, 3(2): 223-232.
- Nurza, I. S. A., P. I. Nursari, A. Zakhyana, A. Akbar, M. Suryadi, N. Purnamasari, & F. A. Risma. 2020. Uji kelayakan tanah terhadap penanaman pisang, singkong, dan ubi jalar di daerah sekitar villa silma Kecamatan Cilember Kabupaten Bogor. *Risenologi*, 5(2): 26-31.
- Pérez-Vicente, L. 2004. *Fusarium* wilt (panama disease) of bananas: an updating review of the current knowledge on the disease and its causal agent. *Fitosanidad*, 8: 27-38.
- Ploetz, R. C. 2006. *Fusarium* wilt of banana is caused by several pathogens referred to as *Fusarium oxysporum* f.sp. *cubense*. *Phytopathology*, 96(6): 653-656.
- Ploetz, R. C. 2015. Management of *Fusarium* wilt of banana: a review with special reference to tropical race 4. *Crop Protection*, 73: 7-15.
- Quilliam, R. S., C. Nuku-Adeku, P. Maquart, D. Little, R. Newton, & F. Mrray. 2020. Integrating insect frass biofertilisers into sustainable peri-urban agro-food systems. *Journal of Insects as Food and Feed*.

- Purwanto, I., Hasnelly & Subagiono. 2019. Pengaruh pemberian pupuk NPK terhadap pertumbuhan dan hasil kacang panjang (*Vigna sinensis* L.). *Jurnal Sains Agro*, 4(1): 1-9.
- Sari, W., S. Wiyono, A. Nurmansyah, A. Munif, R. Poerwanto. 2017. Keanekaragaman dan patogenisitas *Fusarium* spp. asal beberapa kultivar pisang. *Jurnal Fitopatologi Indonesia*, 13(6) 216-228.
- Satria, N., Wardati, & M. A. Khoiri. 2015. Pengaruh pemberian kompos tandan kosong kelapa sawit dan pupuk NPK terhadap pertumbuhan bibit tanaman gaharu (*Aquilaria malaccensis*). *JOM Faperta*, 2(1): 1-14.
- Smith, I. M., J. Dunez, D. H. Philips, R. A. Lelliot, & S. A. Archer. 1988. *European handbook of plant disease*. Blackwell Scientific Publications.
- Subagyo, A. & A. Chafidz. 2018. Banana pseudo-stem fiber: preparation, characteristics, and applications. *Banana nutrition-function and processing kinetics*, 20(4), 1-19.
- Suryanti, A. Wibowo, & C. Sumardiyono. 2003. Pengendalian penyakit layu fusarium pada pisang dengan inokulasi jamur mikoriza vesikular arbuskular pada bibit. *Jurnal Perlindungan Tanaman Indonesia*, 9(2): 63-68.
- Swarupa, V., K.V. A. Ravishankar, & Rekha. 2013. Characterization of tolerance to *Fusarium oxysporum* f.sp. *cubense* infection in banana using suppression subtractive hybridization and gene expression analysis. *Physiological and Molekular Plant Pathology*, 83: 1-7.
- Tanjung, M. R., A. Munif, Y. Effendi, & E. T. Tondok. 2022. Korelasi keparahan penyakit layu fusarium dengan kelimpahan *Fusarium oxysporum* dan fitonematoda: studi kasus perkebunan pisang PTPN VIII Parakansalak. *Jurnal Fitopatologi Indonesia*. 18(5): 222-230.
- Vieira, L. C. S., S. N. Costa, C. V. Borges, Z. S. Goncalves. 2020. *Fusarium oxysporum* f. sp. *cubense* biocontrol mediated by *Bacillus* spp. in Prata-Ana banana. *Brazilian Journal of Agricultural Sciences*, 15(3): 1-7.
- Wardhana, V. W., S. Wiyono, S. H. Hidayat & Widodo. 2021. Patogenisitas *Fusarium oxysporum* endofit asal gulma dari pertanaman pisang terhadap bibit pisang raja bulu. *Jurnal Fitopatologi Indonesia*, 17(1): 1-8.
- Widyantoro, A., Hadiwiyono & Subagiya. 2020. Biological control of Fusarium wilt on banana plants using biofertilizers (short communication). *Biodiversitas*, 21 (5): 2119-2123.