

DAFTAR PUSTAKA

- Abreo, E., & Altier, N. 2019. Pangenome of *Serratia marcescens* strains from nosocomial and environmental origins reveals different populations and the links between them. *Scientific Reports*, 9(46): 1-8.
- Adeleke, B. S., Ayangbenro, A. S., & Babalola, O. O. 2022. Effect of endophytic bacterium, *Stenotrophomonas maltophilia* JVB5 on sunflowers. *Plant Protection Science*, 58(3): 185-198.
- Amaliya, R., Nurcahyani, E., Zulkifli., & Ernawati, E. 2022. Pengaruh cekaman garam (NaCl) terhadap kandungan klorofil pada planlet pisang Raja Bulu (*Musa paradisiaca* L. var. *sapientum*) secara *in vitro*. *Biota: Jurnal Ilmiah Ilmu-Ilmu Hayati*, 7(3): 215-222.
- Andriani, L. T. 2021. Potensi bakteri *Enterobacter cloacae* sebagai biodegradator herbisida glifosat pada media tanah. *Agrosinta: Widyaiswara Mandiri Membangun Bangsa*, 5(1): 25-30.
- Andriani, R., & Rahayu, M. S. 2023. Pertumbuhan dan produksi pisang Cavendish dataran tinggi di Blitar, Jawa Timur. *Buletin Agrohorti*, 11(3): 323-330.
- Anuradha, C., Selvarajan, R., Vasantha, S., & Suresha, G. S. 2015. Biochemical Characterization of Compatible Plant Virus Interaction: A Case Study with Bunchy Top Virus-Banana Host-Pathosystem. *Plant Pathology Journal*, 14(4) 212-222.
- Appu, M., Ramalingan, P., Sathiyarayanan, A., & Huang, J. 2021. An overview of plant defense-related enzymes responses to biotic stresses. *Plant Gene*, 27.
- Ariani, N., Prihandiwati, E., Rahim, A., Milasari, N., & Fatimah, N. 2023. Analisis kadar fenolik total dan flavonoid total ekstrak etanol kulit pisang Kepok (*Musa paradisiaca* L.). *Jurnal Insan Farmasi Indonesia*, 6(2): 263-269.
- Asaf, S., Khan, M. A., Khan, A. L., Waqas, M., Shahzad, R., Kim, A. H., Kang, S. M., & Lee, I. J. 2017. Bacterial endophytes from arid land plants regulate endogenous hormone content and promote growth in crop plants: an example of *Sphingomonas* sp. and *Serratia marcescens*. *Journal of Plant Interactions*, 12(1): 31-38.

- Augustin, J. M., Kuzina, V., Andersen, S. B., & Bak, S. 2019. Molecular activities, biosynthesis and evolution of triterpenoid saponins. *Phytochemistry*, 113, 123-136.
- Balqis, Y. A., Gunawan, B., & Suparman, S. H. K. 2023. Biology of *Pentalonia nigronervosa* and its efficiency as a vector of Banana Bunchy Top Virus after being in Rat Taro (*Typhonium flagelliforme*). *Jurnal Lahan Suboptimal*, 12(2): 152-163.
- Cheok, C. Y., Salman, H. A. K., & Sulaiman, R. 2014. Extraction and quantification of saponins: a review. *Food Research International*, 59: 16-40.
- Choi, Y. H., Kim, H. K., Hazekamp, A., Erkelens, C., Lefeber, A. W., & Verpoorte, R. 2019. Plant metabolomics: applications in functional genomics, biotechnology, and phytomedicine. *Phytochemistry Reviews*, 3(2): 165-175.
- Chowdhury, S. P., Hartmann, A., Gao, X., & Borriss, R. 2015. Biocontrol mechanism by root-associated *Bacillus amyloliquefaciens* FZB42 – a review. *Frontiers in Microbiology*, 6: 780.
- Deng, G., Bi, F., Liu, J., He, W., Li, C., Dong, T., Yang, Q., Gao, H., Dou, T., Zhong, X., Peng, M., Yi, G., Hu, C., & Sheng, O. 2021. Transcriptome and metabolome profiling provide insights into molecular mechanism of pseudostem elongation in banana. *BMC Plant Biology*, 21(125):1-14.
- Drenth, A., & Kema, G. 2021. The vulnerability of bananas to globally emerging disease threats. *Phytopathology*, 111, 2146-2161.
- Dumanau, J. M., Caroline A.W., & Poli, A. F., 2015. Penetapan kadar saponin pada ekstrak daun lidah mertua (*Sansevieria* varietas gravimetri. *S. trifasciata* Laurentii). *Jurnal Ilmu Prain secara dan Teknologi Kesehatan*, 2(2): 65-69.
- Faizah, N. N., Hidayat, T., & Nurcholis, W. 2020. Peran mikroba endofit dalam memacu produksi metabolit sekunder tanaman. *Jurnal Bioteknologi & Biosains Indonesia*, 7(1): 1-12.
- Fitri, A. S., & Fitriana, Y. A. N. 2020. Analisis Senyawa Kimia pada Karbohidrat. *SAINTEKS*, 17(1): 1-6.
- Fitriana, L., Kristiana, R., & Purnomo, H. 2021. Kandungan total fenolik dan aktivitas antioksidan berbagai varietas pisang. *Jurnal Agritech*, 41(2): 106-114.
- Hagaggi, N. S. A., & Raouf, U. M. A. 2022. The endophyte *Stenotrophomonas maltophilia* EPS modulates endogenous antioxidant defense in safflower

- (*Carthamus tinctorius* L.) under cadmium stress. *Archives of Microbiology*, 204(431): 1-10.
- Halbert., Susan, E., & Carlye, A. B. 2015. Banana Bunchy Top Virus and its vector *Pentalonia nigronervosa* (Hemiptera : Aphididae) 1. *Patholog circular*, 417 (417).
- Hanudin, H., Budiarto, K., & Marwoto, B. 2018. Potensi beberapa mikroba pemacu pertumbuhan tanaman sebagai bahan aktif pupuk dan pestisida hayati. *Jurnal Penelitian dan Pengembangan Pertanian*, 37(2): 59.
- Hartati, S., Meliansyah, R., Puspasari, L. T., & Suminar , E. 2024. Pengenalan penyakit pada tanama pisang (*Musa paradisiaca*) dan pengendaliannya di Desa Cileles, Kecamatan Jatinangor, Kabupaten Sumedang. *Agrimasta: Jurnal Pengabdian Agrokompleks*, 1(2): 56-64.
- Ika, R. S., & Syamsuddin, D. 2014. *Studi Introduksi Pisang Cavendish dan Hama Penyakitnya*. Malang: UB Press.
- Irwansyah, S. & Ni'matuljannah A. 2019. Identifikasi karakteristik gejala serangan *banana bunchy top virus* (BBTV) dan intensitasnya pada tanaman pisang di beberapa kecamatan di Kabupaten Kutai Kartanegara. *Jurnal Agroteknologi Tropika Lembab*, 2(1): 55- 60.
- Irwansyah., Sofian., & Akhsan, N. 2019. Identifikasi karakteristik gejala serangan Banana Bunchy Top Virus (BBTV) dan intensitasnya pada tanaman pisang di beberapa kecamatan di Kabupaten Kutai Kartanegara. *Jurnal Agroteknologi Tropika Lembab*, 2(1): 55-60.
- Itako, A., Junior, J. B. T., Junior, T. A. F. S., Soman, J. M., & Maringoni, A. C. 2015. Chemical products induce resistance to *Xanthomonas perforans* in tomato. *Brazilian Journal of Microbiology*, 46(3): 701-706.
- Jang, S., Choi, S. K., Zhang, H., Zhang, S., Ryu, C., & Kloepper, J. W. 2023. History of a model plant growth promoting rhizobacterium *Bacillus velezensis* GB03: from isolation to commercialization. *Frontiers in Plant Science*, 2-18.
- Jasim, B., Anisha, C., & Radhakrishnan, E. K. 2022. Peroxidase-producing plant-associated endophytic *Bacillus* sp. and its role in host defense. *Journal of Applied Microbiology*, 132(1): 224-235.
- Jekayinoluwa., Temitope., Tripathi, L., Tripathi J. N., Ntui, V. O., Obiero, G., Muge, E., & Dale, J. 2020. RNAi Technology for Managemement of Banana Bunchy Top Disease. *Food and Energy Security*, 9(4): 1-15.

- Khafid, A., Wiraputra, M. D., Putra, A. C., Khoirunnisa, N., Putri, A. A. K., Suedy, S. W. A., & Nurchayati, Y. 2023. Uji kualitatif metabolit sekunder pada beberapa tanaman yang berkhasiat sebagai obat tradisional. *Buletin Anatomi dan Fisiologi*, 8(1): 61-70.
- Khan, A. R., Ullah, I., Khan, A. L., Park, G. S., Waqas, M., Hong, S. J., Jung, B. K., Kwak, Y., Lee, I. J., & Shin, J. H. 2015. Improvement in phytoremediation potential of *Solanum nigrum* under cadmium contamination through endophytic assisted *Serratia* sp. RSC-14 inoculation. *Environmental Science and Pollution Research*, 22, 14032-12042.
- Kumar, A., Rithesh, L., Kumar, V., Raguvansi, N., Chaudhary, K., Abhineet., & Pandey, A. K. 2023. *Stenotrophomonas* in diversified cropping systems: friend of foe. *Frontiers in Microbiology*, 14(121):1-16.
- Kumar, P., Lava, R., Selvarajant, M. L., Iskra-Caruana, M., Chabannes., & Hanna, R. 2014. *Biology, Etiology, and control of virus Diseases of banan and plantain. Advances in virus research*, 91: 229- 269.
- Larasati, D., & Putri, F. M. S. 2023. Skrining fitokimia dan penentuan kadar flavonoid ekstrak etanol limbah kulit pisang (*Musa paradisiaca* Colla). *Jurnal Mandala Pharmacon Indonesia*, 9(1): 125-131.
- Lestari, R. T., Slamet, S., Wirasti, W., & Waznah, U. 2021. Penentuan total fenolik, uji antioksidan dan uji antibakteri pada ekstrak etanol jantung pisang Ambon (*Musa acuminata* Colla). *Seminar Nasional Kesehatan*, 1903-1914.
- Mahfouze, H. A., El-DougDoug, N. K., & Mahfouze, S. A. 2020. Virucidal activity of silver nanoparticles against Banana bunchy top virus (BBTV) in banana plants. *Bulletin of The National Research Centre*, 44(199) 2-11.
- Marwan, H. 2014. Pengimbasan ketahanan tanaman pisang terhadap penyakit darah (*Ralstonia solanacearum* Phylotipe IV) menggunakan bakteri endofit. *Jurnal HPT Tropika*, 14(2): 128-135.
- Marwan, H., Sinaga, M. S., Giyanto., & Nawangsih, A. A. 2011. Isolasi dan Seleksi Bakteri Endofit untuk Pengendalian Penyakit Darah pada Tanaman Pisang. *Jurnal HPT Tropika*, 11(2): 113-121.
- Minarno, E. B. 2016. Analisa kandungan senyawa saponin pada organ daun dan tangkai daun *Carica pubescens* Lenne & K. Koch. *ElHayah: Jurnal Biologi*, 5(4): 143-152.

- Mokolintad, S., Maramis, R., & Makal, H. 2021. Insidensi penyakit kerdil (*Bunchy top virus*) pada tanaman pisang (*Musa paradisiaca* L.) di Kecamatan Aer Tembaga Kota Bitung. *In COCOS*, 2(2).
- Monkolintad, S., Redsway M., & Henny M. 2021. Insidensi penyakit kerdil (*Bunchy top virus*) pada tanaman pisang (*Musa paradisiaca* L.) Di Kecamatan Aer Tembaga Kota Bitung. *In Cocos*, 2(2).
- Moses, T., Papadopoulou, K. K., & Osbourn, A. 2021. Metabolic and functional diversity of saponins. *Annual Review of Plant Biology*, 72: 47-71.
- Mukherjee, A., Das, S., & Sarkar, D. 2021. Microbial extracellular enzymes and their applications in plant growth promotion and environmental cleanup. *Critical Reviews in Biotechnology*, 41(6): 928-943.
- Munif, A., & Nurjayadi, M. Y. 2021. Potensi beberapa isolat bakteri endofit untuk pengendalian biologi *Meloidogyne graminicola* pada tanaman padi. *Jurnal Fitopatologi Indonesia*, 17(1): 28-34.
- Mutaqin, A. Z., Sari, R., & Nurdin, H. 2022. Saponin as natural antimicrobial agents: a mini review. *Indonesian Journal of Applied Chemistry*, 24(1): 45-53.
- Nakkeeran, S., Rahamanickam, S., Saravanan, R., Vanthana, M., & Soorianathasundaram, K. 2021. Bacterial endophytome-mediated resistance in banana for the management of Fusarium wilt. *Biotech*, 11(6): 267.
- Nurcahyani, E., Oktaviani, R., Handayani, T. T., & Irawan, B. 2023. Analisis aktivitas enzim peroksidase tanaman vanili (*Vanilli planifolia* Andrews) hasil pengimbasan asam fusarat secara *in vivo*. *Analit: Analytical and Environmental Chemistry*, 8(1): 68-76.
- Nurhalimah, R., Kundera, I. N., & Tureni, D. 2019. Uji kandungan karbohidrat pada buah pisang kultivar pisang kepok (*Musa paradisiaca* L.) pada tingkat kematangan dan olahan yang berbeda. *Journal of Biology Science and Education*, 7(2), 463-468.
- Nurprialdi, B., Gani, V. O. T., Halda, S., P. Ardiani, P., & Panjaitan, R. S. 2022. Qualitative and Quantitative Identification of Carbohydrates in Commercial Yoghurts Products. *Indonesian Journal of Pharmaceutical Research*, 2(2):11-21.
- Ocimati, W., Tazuba, A. F., Tushemereirwe, W. K., Tugume, J., Omondi, B. A., Acema, D. *et al.* 2021. First report of banana bunchy top disease caused by *Banana bunchy top virus* in Uganda. *New Disease Report*, 44: 1-2.

- Paramita, O. C., Subandiyah, S., & Joko, T. 2024. Identifikasi molekuler dan kelangsungan hidup bakteri endofit pada pisang Cavendish.
- Pérez-Bueno, M. L., Pineda, M., & Barón, M. 2019. Phenolic compounds in plants as defense against pathogenic microorganisms. *International Journal of Molecular Sciences*, 20(7): 1767
- Rabbee, M. F., Ali, M. S., Choi, J., Hwang, B. S., Jeong, S. C., & Baek, K. 2019. *Bacillus velezensis*: A valuable member of bioactive molecules within plant microbiomes. *Molecules*, 24(1046): 1-13.
- Rabbee, M. F., Hwang, B. S., & Baek, K. H. 2023. *Bacillus velezensis* a beneficial biocontrol agent or facultative phytopathogen for sustainable agriculture. *Agronomy*, 13(840): 1-14.
- Rahayuniati, R. F., & Siti S. 2022. Symptom expression and resistance of some banana cultivars to banana bunchy top virus infection. *Agriculture and natural resource*, 56: 1019- 1028.
- Rahayuniati, R. F., Kurniawan, R. K., & Nurtiati. 2024. Biochemical changes in some banana cultivars infected by Banana bunchy top virus. *Journal Tropical Plant Pests Disease*, 24(1): 82-90.
- Rahayuniati, R. F., Subandiyah, S., Hartono, S., Somowiyarjo, S., Kurniawan, R. E. K., Prakoso, A. B., Crew, K., Vance, M. E., Ray, J. D., & Thomas, J. E. 2021. Recent distribution and diversity analysis on banana bunchy top virus of banana and alternative host in Indonesia. *Tropical Plant Pathology*, 46, 506-517.
- Resti, Z., Habazar, T., Putra, D. P., & Nasrun. 2013. Skrining dan identifikasi isolat bakteri endofit untuk mengendalikan penyakit hawar daun bakteri pada bawang merah. *Jurnal Hama Penyakit Tanaman Tropika*, 13(2): 167-178.
- Ryan, I., & Pigai, S. 2020. Morfologi tanaman pisang Jikikago berdasarkan kearifan lokal suku Mee di Kampung Idaiyo Distrik Obano Kabupaten Paniai. *Jurnal Ilmiah dan Teknologi*, 2(1): 1-8.
- Shailja & Singh, P. 2024. Carbohydrate Structure and Role. *International Journal of Multidisciplinary Research & Reviews*, 03(02): 52-72.
- Shao, H., He, Y., Zhang, H., Wang, X., & Xu, F. 2021. The roles of plant secondary metabolites in plant defense against pathogens. *Physiological and Molecular Plant Pathology*, 115, 101660.

- Shikha, K., Chand, R., Mishra, N. K., Sayiprathap, B. R., Nair, M., & Singh, K. A. 2024. Components of slow disease development: a key to enhance resistance in crops. *CABI Agriculture and Bioscience*, 5(81): 1-14.
- Sila, S., Abadi, A. L., Mudjiono, G., & Astono, T. H. 2019. Transmission of *Banana Bunchy Top Virus* (BBTV) by *Hysteroneura setariae* (Thomas) aphids from *Paspalum conjugatum* Bergius weeds. *Bioscience Research*, 16(1): 36-44.
- Suarti, B. 2024. *Pati Modifikasi dan Aplikasinya*. UMSU Press: Medan.
- Sukanto., Listiana, N., Indrayanti, R., & Wahyuno, D. 2019. Isolasi dan karakterisasi potensi isolat bakteri rizosfir untuk mengendalikan penyakit budok pada tanaman nilam. *Buletin Penelitian Tanaman Rempah dan Obat*, 30(1): 35-46.
- Suswati., Indrawaty, A., & Friardi. 2015. Aktivitas enzim peroksidase pisang kepok dengan aplikasi *Glomus* tipe 1. *Jurnal HPT Tropika*, 15(2): 141-151.
- Syaiful, A., Rosyida, R., Florentina, K., Budi, A. K., Karno, K., Bagus, H. 2019. Penerapan teknologi aklimatisasi bibit pisang hasil kultur jaringan di Kecamatan Bandar Kabupaten Batang. *Jurnal Dianmas*, 8(1): 39-46.
- Tricahyati, T., Suparman, S., & Irsan, C. 2022. Natural enemies of *Pentalonia nigronervosa*, vector of banana bunchy top virus. *Biodiversitas*, 23(7): 3675-3864.
- Tricahyati, T., Suparman., & Irsan, C. 2022. Pengaruh umur kematian tanaman sumber inoculum *Banana bunchy top virus* terhadap efisiensi penularannya. *Sainmatika: Jurnal Ilmiah Matematika dan Ilmu Pengetahuan Alam*, 19(1): 55-65.
- Ulrich, K., Kube, M., Becker, R., Schneck V., & Ulrich, A. 2021. Genomic analysis of the endophytic *Stenotrophomonas* strain 169 reveals features related to plant-growth promotion and stress tolerance. *Frontiers in Microbiology*, 12(687463): 1-14.
- Wahidah, D. N., Sutrawati, M., & Nadrawati. 2022. Uji ketahanan tiga varietas pisang (*Musa* sp.) terhadap isolasi banana bunchy top virus (BBTV). *Agropross: National Conference Proceedings of Agriculture*, 354-365.
- Wiyono, W., Ambawati, G. S., Priyadi, S., Daryanti, D., Aziez, A. F., & Ali, M. 2024. The role of endophyte bacteria in the growth and yield of various rice varieties in rainfed rice lands. *Biosantifika : Journal of Biology & Biology Education*, 16(3): 473-480.

- Xiang, D., Yang, X., Liu, B., Chu, Y., Liu, S., & Li, C. 2023. Bio-priming of banana tissue culture planlets with endophytic *Bacillus velezensis* EB1 to improve Fusarium wilt resistance. *Frontiers in Microbiology*, 14(114): 1-12.
- Xuan, Z., Wang, Y., Shen, Y., Pan, X., Wang, J., Liu, W., Miao, W., & Jin, P. 2024. *Bacillus velezensis* HN-2: a potent antiviral agent against pepper veinal mottle virus. *Frontiers in Plant Science*, 1-17.
- Zakaria, L., Manaf, U. A., & Mazlan, N. 2016. Total phenolic content and antioxidant activity of banana peels of different varieties. *International Food Research Journal*, 23(4): 1495-1502.
- Zaynab, M., Fatima, M., Abbas, S., Sharif, Y., Umair, M., Zafar, M. H., & Bahadar, K. 2018. Role of secondary metabolites in plant defense against pathogens. *Microbial Pathogenesis*, 124: 198-202.

