

DAFTAR PUSTAKA

- Aeny, T. N., Prasetyo, J., Suharjo, R., Dirmawati, S. R., Efri, & Niswati, A. (2018). Short Communication: Isolation and Identification of Actinomycetes Potential as the Antagonist of *Dickeya zea* Pineapple soft rot in Lampung, Indonesia. *Biodiversitas*, *19*(6), 2052–2058.
- Anandan, R., Dharumadurai, D., & Manogaran, G. P. (2016). *Actinobacteria Basics and Biotechnological Applications*. Intech Open.
- Anitha, A., & Rabeeth, M. (2009). Control of Fusarium Wilt of Tomato by Bioformulation of *Streptomyces griseus* in Green House Condition. *African Journal of Basic & Applied Sciences*, *1*(2), 9–14.
- Ardian, Murniati, Yoseva, S., Zuhri, E., & Nurbaiti. (2021). Teknik Mengatasi Layu pada Tanaman Cabai Menuju Desa Sejahtera Mandiri di Kelompok Tani Desa Padang Mutung Kecamatan Kampar. *Unri Conference Series: Community Engagement*, *3*, 493–498.
- Ariyanti, R., Yenie, E., & Elystia, S. (2017). Pembuatan Pestisida Nabati dengan Cara Estraksi Daun Pepaya dan Belimbing Wuluh. *Jom FTEKNIK*, *4*(2), 1–9.
- Badan Pusat Statistik. (2023). *Luas Panen, Produktivitas, Produksi Tanaman Cabai Nasional*. Jakarta: Badan Pusat Statistik.
- Barka, E. A., Vatsa, P., Sanchez, L., Gaveau Vaillant, N., Jacquard, C., Klenk, H.-P., Clément, C., Oundouch, Y., & van Wezel, G. P. (2016). Taxonomy, Physiology, and Natural Products of Actinobacteria. *Microbiology and Molecular Biology Reviews*, *80*(4), 1–44.
- Barnett, H. L., & Hunter, B. B. (1960). Illustrated Genera of Imperfect Fungi. In *Mycologia* (Vol. 52, Issue 2).
- Bergeijk, D. A. Van, Terlouw, B. R., Medema, M. H., & Wezel, G. P. Van. (2020). Ecology and Genomics of Actinobacteria: New Concepts for Natural Product Discovery. *Nature Reviews Microbiology*, *18*, 546–558.
- Bhatti, A. A., Haq, S., & Bhat, R. A. (2017). Actinomycetes Benefaction Role in Soil and Plant Health. *Microbial Pathogenesis*, *111*, 458–467.
- Boukhatem, Z. F., Merabet, C., & Tsaki, H. (2022). Plant Growth Promoting Actinobacteria, the Most Promising Candidates as Bioinoculants? *Frontiers in Agronomy*, *4*, 1–19.
- Chamzurni, T., Ulim, M. A., & Dianur, E. (2010). Uji Ketahanan Beberapa Varietas Tomat terhadap Penyakit Layu Fusarium (*Fusarium oxysporum* f. sp. *lycopercici*). In *Agrista: Vol. 14* (2) (pp. 62–67).

- Deenamo, N., Kuyyogsuy, A., Khompatara, K., Chanwun, T., Ekchaweng, K., & Churngchow, N. (2018). Salicylic Acid Induces Resistance in Rubber Tree Against *Phytophthora palmivora*. *International Journal of Molecular Sciences*, 19(7).
- Dochhil, H., Dkhar, M. S., & Barman, D. (2013). Seed Germination Enhancing Activity of Endophytic Streptomyces Isolated from Indigenous Ethno Medicinal Plant *Centella Asiatica*. *International Journal of Pharma and Bio Sciences*, 4(1), 256–262.
- Duriat, A. S., Gunaeni, N., & Wulandari, A. W. (2017). *Penyakit Penting Tanaman Cabai dan Pengendaliannya*. Balai Penelitian Tanaman Sayuran.
- Edi, S., & Bobihoe, J. (2010). *Budidaya Tanaman Sayuran*. Balai Pengkajian Teknologi Pertanian (BPTP) Jambi.
- Ezziyyani, M., Emilia, R. M., Catalina, E. G., Maria, R. A., & Emilia, C. M. (2009). Biological Control of *Phytophthora capsici* root rot of Pepper (*Capsicum annuum*) using *Burkholderia cepacia* and *Trichoderma harzianum*. *Journal of Applied Biosciences*, 155(13), 745–754.
- Faatih, M. (2012). Dinamika Komunitas Aktinobakteria Selama Proses Pengomposan. *Jurnal Widyaiset*, 15(3), 611–618.
- Fadil, M., Yanti, Y., & Khairul, U. (2023). Seleksi Aktinobakteria Indigenous untuk Pengendalian Penyakit Hawar Daun Bakteri (*Xanthomonas oryzae* pv . *oryzae*) Serta Peningkatan Pertumbuhan Padi. *Agrohita*, 8(1), 93–105.
- Fitriatin, B. N., Manurung, D. F., Sofyan, E. T., & Setiawati, M. R. (2020). Compatibility, Phosphate Solubility and Phosphatase Activity by Phosphate Solubilizing Bacteria. *Haya: The Saudi Journal of Life Sciences*, 5(12), 281–284.
- Glare, T., Caradus, J., Gelernter, W., Jackson, T., Keyhani, N., Kohl, J., Marrone, P., Morin, L., & Stewart, A. (2012). Have Biopesticides Come of Age. In *Trends in Biotechnology* (Vol. 30, Issue 5).
- Handono, S. T., Hendarto, K., & Kamal, M. (2013). Pola Pertumbuhan dan Produksi Tanaman Cabai Merah Keriting (*Capsicum Annuum* L.) Akibat Aplikasi Kalium Nitrat pada Daerah Dataran Rendah. *Jurnal Agrotek Tropika*, 1(2), 140–146.
- Hapshoh, S. (2016). *Pewarisan Karakter Kualitatif Cabai Hias Hasil Persilangan Cabai Besar dan Cabai Rawit Serta Ketahanannya Terhadap Penyakit Layu Fusarium*. Thesis. Institut Pertanian Bogor.
- Hapsah, Gusmawartati, Amri, A. I., & Diansyah, A. (2017). Respons Pertumbuhan dan Produksi Tanaman Cabai Keriting (*Capsicum annuum* L.) terhadap Aplikasi Pupuk Kompos dan Pupuk Anorganik di Polibag. *Jurnal Hortikultura Indonesia*, 8(3), 203.

- Harikrishnan, H., Shanmugaiah, V., & Balasubramanian, N. (2014). Optimization for Production of Indole Acetic Acid (IAA) by Plant Growth Promoting *Streptomyces* sp VSMGT1014 Isolated from Rice Rhizosphere. *International Journal of Current Microbiology and Applied Sciences*, 3(8), 158–171.
- Hayat, S., Ashraf, A., Aslam, B., Asif, R., Muzammil, S., Zahoor, M. A., Waseem, M., Malik, I. R., Khurshid, M., Afzal, M., Saqalein, M., Siddique, M. H., Muzammil, A., & Sabir, S. (2020). *Actinobacteria: Potential Candidate as Plant Growth Promoters*. Intech Open.
- Heng, J. L. S., Shah, U. K. M., & Hamzah, H. (2011). Isolation, Characterization and Identification of Potential Actinobacteria with Antifungal Activities Towards Chilli Anthracnose. *African Journal of Biotechnology*, 10(32), 5979–5987.
- Herwidyarti, K. H., Ratih, S., & Sembodo, D. R. J. (2018). Keparahan Penyakit Antraknosa pada Cabai (*Capsicum annum* L) dan Berbagai Jenis Gulma. *Jurnal Agrotek Tropika*, 1(1), 102–106.
- Hewindati, Y. T., Winarni, I., Puspitasari, K. A., Nurmawati, Pratomo, H., K. E. N., Waskito, A., Silistrana, S., & Nadia, L. (2008). *Hortikultura*. Perpustakaan Digital Universitas Terbuka.
- Hu, D., Sun, C., Jin, T., Fan, G., Mok, K. M., Li, K., & Lee, S. M. Y. (2020). Exploring the Potential of Antibiotic Production From Rare Actinobacteria by Whole-Genome Sequencing and Guided MS/MS Analysis. *Frontiers in Microbiology*, 11(July), 1–12.
- Imtiyaz, H., Prasetio, B. H., & Hidayat, N. (2017). Sistem Pendukung Keputusan Budidaya Tanaman Cabai Berdasarkan Prediksi Curah Hujan. *Jurnal Pengembangan Teknologi Informasi Dan Ilmu Komputer*, 1(9), 1–6.
- Intra, B., Mungsuntisuk, I., Nihira, T., Igarashi, Y., & Panbangred, W. (2011). Identification of Actinomycetes from Plant Rhizospheric Soils with Inhibitory Activity Against *Colletotrichum* spp., the Causative Agent of Anthracnose Disease. *BMC Research Notes*, 4, 1–9.
- Islam, M. A., Nain, Z., Alam, M. K., Banu, N. A., & Islam, M. R. (2018). In Vitro Study of Biocontrol Potential of Rhizospheric *Pseudomonas Aeruginosa* Against *Fusarium oxysporum* f. sp. *cucumerinum*. *Egyptian Journal of Biological Pest Control*, 28(1), 1–11.
- Jacoby, R., Peukert, M., Succurro, A., Koprivova, A., & Kopriva, S. (2017). The Role of Soil Microorganisms in Plant Mineral Nutrition Current Knowledge and Future Directions. *Frontiers in Plant Science*, 8, 1–19.
- Jeffrey, L. S. H. (2008). Isolation, Characterization and Identification of Actinomycetes from Agriculture Soils at Semongok, Sarawak. *African Journal of Biotechnology*, 7(20), 3700–3705.

- Jog, R., Pandya, M., Nareshkumar, G., & Rajkumar, S. (2014). Mechanism of Phosphate Solubilization and Antifungal Activity of *Streptomyces* spp. Isolated from Wheat Roots and Rhizosphere and their Application in Improving Plant Growth. *Microbiology (United Kingdom)*, 160(PART 4), 778–788.
- Kawuri, R., Raharini, A. O., & Khalimi, K. (2012). *Pemanfaatan Streptomyces sp. untuk Mengendalikan Penyebab Penyakit Busuk Daun pada Lidah Buaya (Aloe barbadensis Mill)*. Disertasi Doktor. Program Pasca Sarjana Universitas Udayana Denpasar.
- Khamna, S., Yokota, A., & Lumyong, S. (2009). Actinomycetes Isolated from Medicinal Plant Rhizosphere Soils: Diversity and Screening of Antifungal Compounds, Indole-3-Acetic Acid and Siderophore Production. *World Journal of Microbiology and Biotechnology*, 25(4), 649–655.
- Klement, Z., Rudolph, K., & Sands, D. . (1990). *Methods in Phytobacteriology*. Akademiai Kiado, Budapest.
- Kurnia, A. T., Pinem, M. L., & Gemry, S. (2014). Penggunaan Jamur Endofit untuk Mengendalikan *Fusarium oxysporum* f.sp. *capsici* dan *Alternaria solani* Secara in Vitro. *Agroekoteknologi*, 2(2337), 1596–1605.
- Lestiyani, A., Suryanti, S., & Wibowo, A. (2020). Respons Sepuluh Varietas Cabai Terhadap Penyakit Layu Fusarium. *Agrivet*, 26(2), 34–42.
- Lubis, U. N. Q., Sukma, D., & Sudarsono. (2020). Respon Plantlet In Vitro dan Induksi Ketahanan Bibit *Phalaenopsis amabilis* terhadap *Dickeya dadantii* Menggunakan Asam Salisilat. *Jurnal Agronomi Indonesia (Indonesian Journal of Agronomy)*, 48(3), 331–338.
- Marianah, L. (2020). Serangga Vektor dan Intensitas Penyakit Virus pada Tanaman Cabai Merah. *AgriHumanis: Journal of Agriculture and Human Resource Development Studies*, 1(2), 127–134.
- Mohamed, A., & Haggag, W. M. (2010). New Safe Methods for Controlling Anthracnose Disease of Mango (*Mangifera indica* L.) Fruits Caused by *Colletotrichum gloeosporioides* (Penz.). *Journal of American Science*, 8(8), 1545–1003.
- Mutmainnah. (2013). *Isolasi Actinomycetes Dari Tanah Pembuangan Limbah Pabrik Gula Tebu (Camming) Bone Sebagai Penghasil Antibiotika*. Program Studi Farmasi Fakultas Farmasi Universitas Hasanuddin Makassar.
- Narayanasamy, P. (2021). *Detection and Identification of Fungal Biological Control Agents. in Biological Management of Diseases of Crops*. Dordrecht: Springer Netherlands.

- Nugraheni, E. S. (2010). Karakterisasi Biologi Isolat-Isolat *Fusarium* sp Pada Tanaman Cabai Merah (*Capsicum annum* L .) Asal Boyolali. In *Skripsi*.
- Nurjasmu, R., & Suryani. (2020). Uji Antagonis Actinomycetes terhadap Patogen *Colletotrichum capsici* Penyebab Penyakit Antraknosa pada Buah Cabai Rawit. *Jurnal Ilmiah Respati*, 11(1), 1–12.
- Okungbowa, F. I., & Shittu, H. O. (2016). *Fusarium* Wilts. *Trends in Environmental Science, February 2016*, 83–104.
- Pramudyani, L., Qomariah, R., & Yassin, M. (2014). Tumpangsari Tanaman Cabai Merah dengan Bawang Daun Menuju Pertanian Ramah Lingkungan. *Prosiding Seminar Nasional Pertanian Organik, 2000*, 469–476.
- Prapagdee, B., Kuekulvong, C., & Mongkolsuk, S. (2008). Antifungal Potential of Extracellular Metabolites Produced by *Streptomyces hygroscopicus* against Phytopathogenic Fungi. *International Journal of Biological Sciences*, 4(5), 330–337.
- Prihatiningrum, C., Nafi'udin, A. F., & Habibullah, M. (2021). Identifikasi Teknik Pengendalian Hama Penyakit Tanaman Cabai di Desa Kebonlegi Kecamatan Kaliangkrik Kabupaten Magelang. *Jurnal Pertanian Cemara*, 18(1), 19–24.
- Putra, I. M. T. M., Phabola, T. A., & Suniti, N. W. S. (2019). Pengendalian Penyakit Layu *Fusarium oxysporum* f.sp. *capsici* pada Tanaman Cabai Rawit *Capsicum frutescens* di Rumah Kaca dengan *Trichoderma* sp yang Ditambahkan pada Kompos. *E-Jurnal Agroekoteknologi Tropika*, 8(1), 103–117.
- Putri, O. S. D., Sastrahidayat, I. R., & Djauhari, S. (2014). Pengaruh Metode Inokulasi Jamur *Fusarium oxysporum* f.sp. *Lycopersici* (Sacc.) Terhadap Kejadian Penyakit Layu *Fusarium* pada Tanaman Tomat (*Lycopersicon esculentum* Mill.). *Jurnal HPT*, 2(3), 74–81.
- Rachmah, M. (2015). *Epidemiologi Beberapa Penyakit Penting pada Tanaman Cabai (Capsicum Annum L.) di Desa Ciputri Kecamatan Pacet Kabupaten Cianjur*. Institut Pertanian Bogor.
- Rafiq, S., Marwoto, B., & Matsuo, Y. (2010). Isolasi Actinomycetes Laut Penghasil Metabolit Sekunder yang Aktif terhadap Sel Kanker A549. *Jurnal Pascapanen Dan Bioteknologi Kelautan Dan Perikanan*.
- Renuka, R., Prabakar, K., Anandham, R., Pugalendhi, L., Rajendran, L., Raguchander, T., & Karthikeyan, G. (2023). Exploring the Potentiality of Native Actinobacteria to Combat the Chilli Fruit Rot Pathogens under Post-Harvest Pathosystem. *Journal MDPI*, 1–19.
- Retnowati, D., Solihin, D. D., Gluhamahdi, M., & Lestari, Y. (2019). Biological Activities of Paddy Rhizosphere Actinobacteria. *EurAsian Journal of BioSciences*, 2125–2132.

- Retnowati, Meryandini, D., Solihin, A., Duryadi, D., Munif, G., & Yulin, L. (2019). Biological Activities of Paddy Rhizosphere Actinobacteria. *EurAsian Journal of BioSciences*, 2125–2132.
- Rokhlani, Prihatiningsih, N., & Soesanto, L. (2008). Penekanan Beberapa Antagonis Terhadap Penyakit Layu Fusarium Gladiol. *Prosiding Ilmu Hama Dan Penyakit Tumbuhan, Fakultas Pertanian, Universitas Jenderal*.
- Roopa, K. P., & Gadag, A. S. (2019). *Management of Soil-Borne Diseases of Plants Through Some Cultural Practices and Actinobacteria*. Plant Health Under Biotic Stress.
- Sa'diyah, N., Fitri, A., Rugayah, R., & Karyanto, A. (2020). Korelasi dan Analisis Lintas Antara Percabangan dengan Produksi Cabai Merah (*Capsicum annuum* L.) Hasil Iradiasi Sinar Gamma. *Jurnal Agrotek Tropika*, 8(1), 169.
- Salvia, E. (2018). *Teknologi Budidaya Tanaman Cabai Loker Tenun Berasap*. Balai Besar Pengkajian dan Pengembangan Teknologi Pertanian.
- Saparso, & Haryanto. (2018). Pertumbuhan dan Hasil Cabai Merah pada Berbagai Metode Irigasi dan Pemberian Pupuk Kandang di Wilayah Pesisir Pantai. *Prosiding Seminar Nasional Fakultas Pertanian UNS*, 2(1), 247–257.
- Sathya, A., Vijayabharathi, R., & Gopalakrishnan, S. (2017). Plant Growth-Promoting Actinobacteria: A New Strategy for Enhancing Sustainable Production and Protection of Grain Legumes. *3 Biotech*, 7(2), 1–10.
- Schaad, N. W., Jones, J. B., & Chun, W. (2001). *Laboratory Guide for Identification of Plant Pathogenic Bacteria*. St Paul: The American Phytopathology Society.
- Silva, G. da C., Kitano, I. T., Ribeiro, I. A. de F., & Lacava, P. T. (2022). The Potential Use of Actinomycetes as Microbial Inoculants and Biopesticides in Agriculture. *Frontiers in Soil Science*, 2, 1–20.
- Soelaiman, V., & Ernawati, A. (2013). Pertumbuhan dan Perkembangan Cabai Keriting (*Capsicum annuum* L.) secara In Vitro pada Beberapa Konsentrasi BAP dan IAA. *Buletin Agrohorti*, 1(1), 62.
- Subramaniam, G., Arumugam, S., & Rajendran, V. (2016). *Plant Growth Promoting Actinobacteria*. Springer Nature.
- Sutarini, N. L., Sumiartha, I. K., Suniti, N. W., Sudiarta, I. P., Wirya, G. N. A. S., & Utama, M. S. U. (2015). Pengendalian Penyakit Layu Fusarium pada Tanaman Cabai Besar (*Capsicum annuum* L.) dengan Kompos dan Pupuk Kandang yang Dikombinasikan dengan *Trichoderma* sp. di Rumah Kaca. *E-Jurnal Agroekoteknologi Tropika*, 4(2), 135–144.
- Sutejo, A. M., Priyatmojo, A., & Wibowo, A. (2008). Identifikasi Morfologi Beberapa Spesies Jamur Fusarium. *Jurnal Perlindungan Tanaman Indonesia*, 7–13.

- Suwastini, M., Efri, Ivayani, & Suharjo, R. (2020). Evaluasi Efektivitas Fraksi Ekstrak Jarak Tintir Dan Tembelean untuk Mengendalikan Penyakit Antraknosa Pada Cabai Merah. *Jurnal Agrotek Tropika*, 8(1), 19.
- Swastika, S., Pratama, D., Hidayat, T., & Boga, K. (2017). *Teknologi Budidaya Tanaman Cabai Merah*. Badan Penerbit Universitas Riau UR PRESS.
- Taisa, R., Purba, T., Sakiah, Herawati, J., Junaedi, A. S., Hasibuan, H. S., Junairiah, & Firgiyanto, R. (2021). *Ilmu Kesuburan Tanah dan Pemupukan* (Abdul Karim (ed.); 1st ed.). Yayasan Kita Menulis.
- Tan, H., Zhou, S., Deng, Z., He, M., & Cao, L. (2011). *Ribosomal-Sequence-Directed Selection for Endophytic Streptomyces Strains Antagonistic to Ralstonia solanacearum to Control Tomato Bacterial Wilt*. *Biological Control*.
- Trigiano, R. N., Windham, M. T., & Windham, A. S. (2008). *Plant Pathology. Concepts and Laboratory Exercises*.
- Vilasinee, S., Toanuna, C., McGovern, R. J., & Nalumpang, S. (2019). Expression of Pathogenesis-Related (PR) Genes in Tomato Against Fusarium Wilt by Challenge Inoculation with Streptomyces NSP3. *International Journal of Agricultural Technology*, 15(1), 157–170.
- Vurukonda, S. S. K. P., Giovanardi, D., & Stefani, E. (2018). Plant Growth Promoting and Biocontrol Activity of *Streptomyces* spp. as Endophytes. *International Journal of Molecular Sciences*, 19(4).
- Wiratama, I. D. M. P., Sudiarta, I. P., Sukewijaya, I. M., Sumiartha, K., & Utama, M. S. (2013). Kajian Ketahanan Beberapa Galur dan Varietas Cabai terhadap Serangan Antraknosa di Desa Abang Songan Kecamatan Kintamani Kabupaten Bangli. *E-Jurnal Agroekoteknologi Tropika*, 2(2), 71–81.
- Yadav, A. N., Verma, P., Kumar, S., Kumar, V., Kumar, M., Sugitha, T. C. K., Singh, B. P., Saxena, A. K., & Dhaliwal, H. S. (2018). *Actinobacteria from Rhizosphere: Molecular Diversity, Distributions, and Potential Biotechnological Applications*. *New and Future Developments in Microbial Biotechnology and Bioengineering*.
- Yanti, Y., Astuti, F. F., Habazar, T., & Nasution, C. R. (2017). Screening of Rhizobacteria from Rhizosphere of Healthy Chili to Control Bacterial Wilt Disease and to Promote Growth and Yield of Chili. *Biodiversitas*, 18(1), 1–9.
- Yanti, Y., Hamid, H., & Reflin. (2018). Indigenous Rhizobacteria Screening from Tomato to Control *Ralstonia Syzigii* subsp. *Indonesiensis* and Promote Plant Growth Rate and Yield. *Journal HPT Tropika*, 18(2), 177–185.
- Yanti, Y., Hamid, H., Reflin, Warnita, & Habazar, T. (2020). The Ability of Indigenous *Bacillus* spp. Consortia to Control the Anthracnose Disease (*Colletotricum capsici*) and Increase the Growth of Chili Plants. *Biodiversitas*, 21(1), 179–186.

- Yanti, Y., Hamid, H., Reflin, Yaherwandi, Nurbailis, Suriani, N. L., Reddy, M. S., & Syahputri, M. (2023). Screening of Indigenous Actinobacteria as Biological Control Agents of *Colletotrichum capsici* and Increasing Chili Production. *Egyptian Journal of Biological Pest Control*, 33(1).
- Yanti, Y., Resti, Z., & Busniah, M. (2011). Aktivitas Enzim Pertahanan Bawang Merah yang diinduksi dengan Bakteri Rhizoplan Indigenous terhadap Penyakit Hawar Daun Bakteri (*Xanthomonas axonopodis* pv *allii*). *Seminar Nasional MIPA Dan Pendidikan MIPA UNP*, 155–165.
- Yanti, Y., Warnita, Reflin, & Busniah, M. (2018). Indigenous Endophyte Bacteria Ability to Control Ralstonia and Fusarium Wilt Disease on Chili Pepper. *Biodiversitas*, 19(4), 1532–1538.
- Zhang, X., Zhang, Y., Zhao, J., Liu, C., Wang, S., Yang, L., He, H., Xiang, W., & Wang, X. (2014). *Nonomuraea fuscirosea* sp. nov., an Actinomycete Isolated from the Rhizosphere Soil of *Rehmannia* (*Rehmannia glutinosa* Libosch). *International Journal of Systematic and Evolutionary Microbiology*, 64(PART 4), 1102–1107.

