

DAFTAR PUSTAKA

- Abidin, Z., Aini, L. Q., & Abadi, A. L. (2015). Pengaruh Bakteri *Bacillus* sp. dan *Pseudomonas* sp. terhadap Pertumbuhan Jamur Patogen *Sclerotium rolfsii* Sacc. Penyebab Penyakit Rebah Semai pada Tanaman Kedelai. *Jurnal HPT*, 3(1), 1–10.
- Agustin, D. A., Qurrotu A'yun, E., Marsya, T. I., Restu, D., & Kusuma, R. (2021). Potensi *Plant Growth Promoting Bacteria* (PGPB) sebagai Pemacu Ketahanan Tanaman Padi terhadap Hawar Malai Padi. *Journal of Agricultural Science*, 6(2), 96–105.
- Agustiyan, D. (2017). Penapisan dan Karakterisasi Rhizobakteria serta Uji Aktivitasnya dalam Mendukung Perkecambahan dan Pertumbuhan Benih Jagung (*Zea mays* L.). *Jurnal Biologi Indonesia*, 12(2), 241–248.
- Ahemad, M., & Khan, M. S. (2012). Evaluation of Plant Growth Promoting Activities of Rhizobacterium *Pseudomonas Putida* Under Herbicide Stress. *Annals of Microbiology*, 62(4), 1531-1540.
- Ali, S. S., & Vidhale, N. (2013). Review Article Bacterial Siderophore and their Application: A review. *Int.J.Curr.Microbiol.App.Sci*, 2(12), 303–312.
- Badan Pusat Statistik. (2023). Luas Panen, Produksi, dan Produktivitas Jagung Menurut Provinsi 2020-2023. <https://sumbar.bps.go.id>. Diakses 22 Desember 2023
- Barrow, G. I. (1993). *Cowan and Steel's Manual for the Identification of Medical Bacteria*, Cambridge University Press. *Cambridge New York*.
- Bauer, A. W., Kirby, W. M., Sherris, J. C., & Turck, M. (1966). Antibiotic Susceptibility Testing by a Standardized Single Disk Method. *American Journal of Clinical Pathology*, 45(4), 493-496.
- Beutin, L. (1991). The Different Hemolysins of *Escherichia coli*. *Med Microbiol Immunol*, 180, 167-182.
- Bhattacharyya, P. N., & Jha, D. K. (2012). Plant Growth-Promoting Rhizobacteria (PGPR): Emergence in Agriculture. *World Journal of Microbiology and Biotechnology*, 28(4), 1327-1350.
- Calvo, P., Nelson, L., & Kloepper, J. W. (2014). Agricultural Uses of Plant Biostimulants. In *Plant and Soil*, 383(1), 3–41.
- Cappuccino, J.G. & N. Sherman. (2002). *Microbiology A Laboratory Manual* (7th Edition, *Perason Education Inc.Publishing As Benjamin Cummings*. San Fransisco.
- Choliq, F. A., Martosudiro, M., & Jalaweni, S. C. (2020). *Aplikasi Plant Growth Promoting Rhizobacteria* (PGPR) terhadap Infeksi *Chrysanthemum mild*

- mottle virus* (CMMV), Pertumbuhan, dan Produksi Tanaman Krisan (*Chrysanthemum* sp.). *AGRORADIX: Jurnal Ilmu Pertanian*, 3(2), 31-49.
- Coplin, D. L., Majerczak, D. R., Zhang, Y., Kim, W.-S., Jock, S., & Geider, K. (2002). Identification of *Pantoea stewartii* subsp. *stewartii* by PCR and Strain Differentiation by PFGE. *Plant Disease*, 86(3), 304–311.
- Cota, L. V., Pereira, M. G., Costa, L. E. O., Souza, J. T., Alves, M. S., Silva, D. F., & de Oliveira, J. S. (2020). Pectinase and Cellulase Production by Endophytic Fungi from Leaves of the Rubber Tree *Hevea brasiliensis*. *Brazilian Journal of Microbiology*, 51(3), 1023-1035.
- Crawford, D.L., Lynch, J., M. Whipps, J., M. Ousley., & M. A. (1993). Isolation and Characterization of Actinomycetes Antagonists of A Fungal Root Pathogen. *Appl. Environ. Microbiol.*, 59(1), 3899-3905.
- Desi, Y., & Novia P. (2014). Upaya Pengendalian Penyakit Layu Stewart (*Pantoea stewartii* subsp. *stewartii*) pada Tanaman Jagung Menggunakan Rizobakteri Fakultas Pertanian Universitas Ekasakti Padang, 16(1), 44-48.
- Desi, Y., Habazar, T., Khairul, U., & Agustian, A. (2018). Perkembangan Temporal-Spatial Penyakit Layu Stewart (*Pantoea stewartii* subsp. *stewartii*) pada Tanaman Jagung Temporal-Spatial Development of Stewart Wilt (*Pantoea stewartii* subsp. *stewartii*) on Corn. *Jurnal Embrio*, 10(1), 29-44.
- Dewi, R. S., Giyanto, G., Sinaga, M. S., Dadang, D., & Nuryanto, B. (2020). Bakteri Agens Hayati Potensial terhadap Patogen Penting pada Padi. *Jurnal Fitopatologi Indonesia*, 16(1), 37–48.
- Dey, R., Pal, K. K., Bhatt, D. M., & Chauhan, S. M. (2004). Growth Promotion and Yield Enhancement of Peanut (*Arachis hypogaea* L.) by Application of Plant Growth-Promoting Rhizobacteria. *Microbiological Research*, 159(4), 371–394.
- Dinata, G. F., Aini, L. Q., & Abadi, A. L. (2021). Pengaruh Pemberian *Plant Growth-Promoting Bacteria* Indigenous terhadap Pertumbuhan Tanaman Bawang Merah (*Allium ascalonicum*). *Agropross: National Conference Proceedings of Agriculture*, 283–288.
- Djaenuddin, N., & Muis, A. (2018). Epidemiologi dan Pengelolaan Penyakit Layu Bakteri pada Tanaman Jagung. *Jurnal Penelitian dan Pengembangan Pertanian*, 37(2), 41.
- Dutta, D., Mondal, A. K., Dey, A., Pal, R. N., Karmakar, P. G., & Mondal, N. K. (2020). Phosphate Solubilizing Bacteria Enhance the Resistance of Rice Plants Against Bacterial Blight caused by *Xanthomonas oryzae* pv. *oryzae*. *Biological Control*, 14(6), 251-261.

- European and Mediterranean Plant Protection Organization. (2007). Data Sheets On Quarantine Pests. *Pantoea stewartii* subsp. *stewartii*. Prepare By CABI And EPPO For The EU Under Contract 90/399 003
- Fiqriansyah, M., Putri, S. A., Syam, R., Rahmadani, A. S., Frianie, T. N., Anugrah, S., Sari, Y. I., Adhayani, A. N., Nurdiana, Fauzan, Bachok, N. A., Manggabarani, A. M., & Utami, Y. D. (2021). *Teknologi Budidaya Tanaman Jagung (Zea mays) dan Sorgum (Sorghum bicolor (L.) Moench*. Jurusan Biologi FMIPA UNM.
- Freeman, N.D. & J.K. Pataky. (2001). Levels of Stewart's Wilt Resistance Necessary to Prevent Reductions in Yield of Sweet Corn Hybrids. *Plant Dis.* 85(12), 1278-1284
- Gamalero, E., & Glick, B. R. (2020). The Use of Plant Growth-Promoting Bacteria to Prevent Nematode Damage to Plants. In *Biology*, 9(11), 1–13.
- George, T.S., P.J. Gregory, M. Wood, D. Read, & R.J. Buresh. (2002). Phosphatase Activity and Organic Acids in The Rhizosphere of Potential Agroforestry Species and Maize. *Soil Biology and Biochemistry* 34(10): 1487-1494.
- Glick, B. R. 1995. The Enhancement of Plant Growth by Free-living Bacteria. *Canadian Journal Microbiology* 41: 109-117.
- Glick, B.R., Z. Cheng, J. Czany, J. Duan. 2007. Promotion of Plant Growth by ACC Deaminase-Producing Soil Bacteria. *Eur J Plant Pathol* 119: 329-39.
- Goswami, D., Thakker, J. N., & Dhandhukia, P. C. (2016). Portraying Mechanics of Plant Growth Promoting Rhizobacteria (PGPR): A Review. In *Cogent Food and Agriculture*, 2(1), 1–19.
- Gupta, G., Parihar, S. S., Ahirwar, N. K., Snehi, S. K., & Singh, V. (2015). Plant Growth Promoting Rhizobacteria (PGPR): Current and Future Prospects for Development of Sustainable Agriculture. *Journal of Microbial & Biochemical Technology*, 07(02), 96–102.
- Haas, H., & Défago, G. (2005). Biological Control of Soil-Borne Pathogens by *Pseudomonads fluorescent*. *Nature Reviews Microbiology*, 3(4), 307-319.
- Habib, A. (2015). Analisis Faktor-Faktor yang Mempengaruhi Produksi Jagung. *Agrium*, 18(1), 79–82.
- Hanudin, K. B., & Marwoto, B. (2018). Potensi Beberapa Mikroba Pemacu Pertumbuhan Tanaman sebagai Bahan Aktif Pupuk dan Pestisida Hayati. *Jurnal Litbang Pertanian*, 37(2), 59-70.
- Husen, E. (2003). Screening Of Soil Bacteria for Plant Growth Promotion Activities. *Indonesian Journal of Agricultural Science*, 4(1), 27–31.

- Intan, K., Diani, A., & Nurul, A. S. R. (2021). Aktivitas Antibakteri Kayu Manis (*Cinnamomum burmanii*) terhadap Pertumbuhan *Staphylococcus aureus*. *Jurnal Kesehatan Perintis*, 8(2), 121-127.
- Irawan, T. B., Soelaksini, L. D., & Nuraisyah, A. (2022). Respon Pertumbuhan Bibit Kakao (*Theobroma cacao* L.) dengan Pemberian Berbagai Konsentrasi PGPR (Plant Growth Promoting Rhizobacteria) Akar Kakao. *Jurnal Ilmiah Hijau Cendekia*, 7(1), 7-17.
- Iriany, R. N., Yasin, M., & Takdir, A. (2016). *Asal, Sejarah, Evolusi, dan Taksonomi Tanaman Jagung*. Balai Penelitian Tanaman Serealia.
- Islamovic, E., García-Pedrajas, M. D., Chacko, N., Andrews, D. L., Covert, S. F., & Gold, S. E. (2015). Transcriptome Analysis of a *Ustilago maydis* Ust1 Deletion Mutant Uncovers Involvement of Laccase and Polyketide Synthase Genes in Spore Development. *Molecular Plant-Microbe Interactions*, 28(1), 42-54.
- Kafrawi, K. (2015). Skrining isolat *Plant Growth Promoting Rhizobacteri* (PGPR) dari pertanaman bawang merah (*Allium ascalonicum*) di Gorontalo. *Prosiding Seminar Nasional Biologi*, 1(1), 132-139.
- Khabbaz, S. E., Ladhalakshmi, D., Babu, M., Kandan, A., Ramamoorthy, V., Saravanakumar, D., Al-Mughrabi, T., & Kandasamy, S. (2019). Plant Growth Promoting Bacteria (PGPB) - A Versatile Tool for Plant Health Management. *Canadian Journal of Pesticides & Pest Management*, 1(1), 1-25.
- Klement, Z., Rudolp, K., & Sands, D. C. (1990). *Methods in Phytobacteriology*. Budapest. Academia Kiado.
- Kumar, S., Mani, V., & Saxena, A. K. (2019). Plant Growth-Promoting Rhizobacteria (PGPR) with Potential to Confer Nematode Resistance in Plants Inhibit the Growth of *Ralstonia Solanacearum* and Activate Defense Responses in Tomato (*Solanum lycopersicum*). *Journal of Phytopathology*, 167(1), 22-34.
- Larasati, A. (2023). Standarnisasi Keamanan Pangan Produk Rekayasa Genetika. *Jurnal Plaza Hukum Indonesia*, 1(1), 108-129.
- Leigh, J. A., & Coplin, D. L. (1992). Exopolysaccharides in Plant-Bacterial Interactions. *Annual Review of Microbiology*, 46(1), 307-346.
- Louden, B. C., Haarmann, D., & Lynne, A. M. (2011). Use of Blue Agar CAS Assay for Siderophore Detection. *Journal of microbiology & biology education*, 12(1), 51-53.
- Lubis, U.N.Q., Sukma, D., & Sudarsono. (2020). Respon Plantlet In Vitro dan Induksi Ketahanan Bibit Phalaenopsis amabilis terhadap Dickeya dadantii Menggunakan Asam Salisilat. *J. Agron. Indonesia*. 48 (3): 331-338

- Mabuza, L. M., Janse van Rensburg, B., Flett, B. C., & Rose, L. J. (2018). Accumulation of toxigenic *Fusarium* species and *Stenocarpella maydis* in maize grain grown under different cropping systems. *European journal of plant pathology*, 152, 297-308.
- Miranda, M., & Kadekoh, I. (2023). Komponen Hasil dan Hasil Tanaman Jagung Manis (*Zea Mays Saccaratha* Sturt) pada Berbagai Jenis Pupuk Kandang dan Pemangkasan Daun. *Agrotekbis: E-Jurnal Ilmu Pertanian*, 11(4), 1057-1067.
- Mumpuni, A. N., Kholifah, A. N. K., Syahfitri, A. A., Febrian, F. W., Aulia, I. D., Ramadhani, K., & Priyanti. (2021). Organisme Pengganggu yang Menyerang Benih Tanaman Jagung (*Zea mays* L.) dan Pengendaliannya. *Semnas Bio*, 1208–1216.
- Munif, A., Hallmann, J., & Sikora, R. A. (2012). Isolation of Endophytic Bacteria from Tomato and Their Biocontrol Activities against Fungal Diseases. *Microbiology Indonesia*, 6(4), 148–156.
- Nalis, S., Suastika, G., & Giyanto, G. (2015). Perlakuan Panas Kering dan Bakterisida untuk Menekan Infeksi *Pantoea stewartii* subsp. *stewartii* pada Benih Jagung Manis. *Jurnal Fitopatologi Indonesia*, 11(4), 128-128
- Nasrun, & Nurmansyah. (2016). Keefektifan Formula *Pseudomonas fluorescens* untuk Mengendalikan Penyakit Layu Bakteri dan Meningkatkan Pertumbuhan Tanaman Nilam. *Jurnal Fitopatologi Indonesia*, 12(2), 46–52.
- Nawangsih AA. 2006. Seleksi dan Karakterisasi Bakteri Biokontrol untuk Mengendalikan Penyakit Layu Bakteri (*Ralstonia solanacearum*) pada Tomat. *Desertasi*. Institut Pertanian. Bogor.
- Olanrewaju, O. S., Glick, B. R., & Babalola, O. O. (2017). Mechanisms of Action of Plant Growth Promoting Bacteria. *World Journal of Microbiology and Biotechnology*, 33(11), 1-16.
- Partiwi, S., Al Idrus, A., Zulkifli, L., & Sedijani, P. (2023). Isolation and Molecular Characterization of Brotowali (*Tinospora crispa*) Rhizosphere Bacteria Producing Siderophore from Dry Lands of Lombok Island. *Jurnal Biologi Tropis*, 23(2), 275-284.
- Pataky, J. K., Michener, P. M., White, D. G., Block, C. C., Shepherd, L. M., & McGee, D. C. (2004). Ability of an ELISA-Based Seed Health Test to Detect *Erwinia stewartii* in Maize Seed Treated with Fungicides and Insecticides. *Plant Disease*, 88(6), 633–640.
- Pataky, J.K. (2004). Stewart's wilt of corn. The Plant Health Instructor. <http://www.apsnet.org/>. Diakses 18 Desember 2022.
- Prihatiningsih, N., Djatmiko, H. A., & Lestari, P. (2017). Aktivitas Siderofor *Bacillus subtilis* sebagai Pemacu Pertumbuhan dan Pengendali Patogen

- Tanaman Terung. *Jurnal Hama Dan Penyakit Tumbuhan Tropika*, 17(2), 170-178.
- Rahma, H dan Armansyah. 2008. Penyebaran penyakit Stewart oleh bakteri *Pantoea stewartii* sebagai penyakit baru pada tanaman jagung (*Zea Mays*) studi kasus di Sumatera Barat. Penelitian Dosen Muda. DP2M DIKTI No 005/SP2H/PP/DP2M/III/2008.
- Rahma, H., Sinaga, M. S., Surahman, M., & Giyanto. (2013). Tingkat Keterjadian Penyakit Layu Stewart pada Benih dan Respon Beberapa Varietas Jagung terhadap. *Jurnal HPT Tropika*, 13(1), 1–9.
- Rahma, H., Sinaga, M.S., Surahman, M., & Giyanto. (2014). First report of Stewart's wilt of maize caused by *Pantoea stewartii* subsp. *stewartii* in Bogor district, Indonesia. *J. ISSAAS*, 20(2), 131–141.
- Rangkuti, K., Thamrin, M., & Andriano, R. (2016). Pengaruh Faktor Sosial Ekonomi terhadap Pendapatan Petani Jagung. *Jurnal Ilmu Pertanian*, 20(1), 360–365.
- Rao, N.S. (1994). *Advance in Agriculture Microbiology*. Oxford & IBH Publ. Co. New Delhi, Bombay, Calcuta.
- Richardson, A.E., & Simpson, R.J. (2011). Soil Microorganisms Mediating Phosphorus Availability Update on microbial phosphorus. *Soil Biology and Biochemistry*, 43(8), 176-179.
- Roper, M. C. (2011). *Pantoea stewartii* subsp. *stewartii*: Lessons Learned from a Xylem-Dwelling Pathogen of Sweet Corn. *Molecular Plant Pathology*, 12(7), 628–637.
- Ruimassa, R. M., Sari, R., & Martanto, E. A. (2023). Interaksi Faktor Iklim dan Varietas terhadap Laju Perkembangan Penyakit Karat Daun (*Puccinia polysora* Undrew) pada Jagung (*Zea mays* L.). *Jurnal Triton*, 14(1), 141-152.
- Santoyo, G., Hagelsieb, G. M., Mosqueda, M. del C. O., & Glick, B. R. (2016). Plant Growth-Promoting Bacterial Endophytes. In *Microbiological Research*, 183, 92–99.
- Schaad, N. W., Jones, J. B., & Chun, W. (2001). *Laboratory Guide for Identification of Plant Pathogenic Bacteria*. Third Edition: APS Press. The American Phytopathological Society. St. Paul. Minnesota. 373.
- Sholeha, N. H., & Masnilah, R. (2022). Pemanfaatan *Bacillus* Sp. Dan Pupuk Organik untuk Mengendalikan Penyakit Busuk Pelepah (*Rhizoctonia solani*) pada Tanaman Jagung. *Berkala Ilmiah Pertanian*, 5(4), 215-221.
- Sigeo, D.C. (1993). *Bacterial Plant Pathology*. Cambridge. University Press.
- Situmorang, E. C., Prameswara, A., Sinthya, H. C., Toruan-Mathius, N., & Liwang, T. (2015). Indigenous Phosphate Solubilizing Bacteria from Peat

- Soil for an Eco-friendly Biofertilizer in Oil Palm Plantation. *KnE Energy*, 1(1), 65-72.
- Sulaiman, A.A., Kariyasa, I.K., Hoerudin, K., Subagyo., & Bahar F.A. (2018). Cara Cepat Swasembada Jagung. Jakarta, IAARD Press : Badan Penelitian dan Pengembangan Pertanian.
- Temaja, I. G. R. M., Wirya, G. N. A. S., & Puspawati, N. M. (2018). Pengendalian Penyakit Layu Stewart Pada Tanaman Jagung yang Ramah Lingkungan dengan Rizobakteri. *Jurnal Ilmu Lingkungan*, 16(1), 44-48.
- Tuszahrohmi, N., Romadi, U., & Kurniasari, I. (2019). Efektivitas *Paenibacillus polymyxa* dan *Pseudomonas fluorescens* dalam Pengendalian Penyakit Hawar Daun (*Helminthosporium turcicum*) pada Tanaman Jagung (*Zea mays* L.). *Agrovigor: Jurnal Agroekoteknologi*, 12(2), 77-81.
- Ulhaq, M. A., & Masnilah, R. (2019). Pengaruh Penggunaan Beberapa Varietas dan Aplikasi *Pseudomonas fluorescens* untuk Mengendalikan Penyakit Bulai (*Peronosclerospora maydis*) pada Tanaman Jagung (*Zea mays* L.). *Jurnal pengendalian hayati*, 2(1), 1-9.
- Wandita, R. H., Pujiyanto, S., Supriyadi, A., & Hastuti, R. D. (2018). Isolasi dan Karakterisasi Bakteri Endofit Pelarut Fosfat dan Penghasil *Hidrogen Cyanide* (HCN) dari Tanaman Bawang Merah (*Allium cepa* L.). *Bioma: Berkala Ilmiah Biologi*, 20(1), 9-16.
- Wartapa, A., Slamet, M., Ariwibowo, K., & Hartati, S. (2020). Teknik Budidaya Jagung (*Zea mays* L) untuk Meningkatkan Hasil. *Jurnal Ilmu-ilmu Pertanian*, 26(2), 1-9.
- Yanti, Y., Habazar, T., & Resti, Z. (2016). Formula Rhizobakteria *Bacillus thuringiensis* TS2 untuk Mengendalikan Penyakit Pustul pada Kedelai. *Prosiding Seminar Hasil Penelitian Tanaman Aneka Kacang Dan Umbi*, 263-272.
- Yanti, Y., Astuti, F. F., Habazar, T., & Nasution, C. R. (2017a). 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., Warnita, R., & Busniah, M. (2017b). Identification and Characterizations of Potential Indigenous Endophytic Bacteria which had Ability to Promote Growth Rate of Tomato and Biocontrol Agents of *Ralstonia solanacearum* and *Fusarium oxysporum* fsp. *solani*. *Microbiology Indonesia*, 11(4), 117-122.
- Yanti, Y., Warnita., Reflin., & Busniah, M. (2018). Indigenous Endophyte Bacteria Ability to Control Ralstonia and Fusarium Wilt Disease on Chili Pepper. *J. Biodiversitas*, 19(4), 1532-1538

- Yanti, Y., Hamid, H., & Nurbailis. (2021). Potensi Asam Salisat *Bacillus* sp. untuk Menekan Perkembangan Penyakit Hawar Daun Bakteri Tanaman Bawang Merah. *Prosiding Seminar Nasional Sains dan Teknologi Terapan*, 4(1), 513–523.
- Yanti, Y., Hamid, H., Nurbailis, & Tanjung, M. P. (2022). Potensi Plant Growth Promoting Bacteria (PGPB) untuk Meningkatkan Ketahanan Bawang Merah Terhadap *Xanthomonas axonopodis* pv. *alii*. *National Multidisciplinary Sciences*, 1(2), 204–210.
- Yuan, J., Zhao, J., Wen, T., Zhao, M., Li, R., & Goossens, P. (2018). Beneficial Effects of Plant Growth-Promoting Bacteria on *Clavibacter michiganensis* subsp. *michiganensis* Colonization and Infection of Tomato Plants. *Microorganisms*, 6(3), 85-96.
- Yunasfi. (2008). Serangan Patogen dan Gangguan terhadap Fisiologis Pohon. Universitas Sumatera Utara. Medan.
- Zhu, W., Magbanua, M. M., & White, F. F. (2000). Identification of Two Novel HRP-Associated Genes in the HRP Gene Cluster of *Xanthomonas oryzae* pv. *oryzae*. *Journal of Bacteriology*, 182(7), 1844–1853.
- Zulaikah, & Yuliani. (2018). Penggunaan Agen Hayati *Rhizobium* sp. dan *Pseudomonas fluorescens* terhadap Pertumbuhan Tanaman Kedelai (*Glycine max*) pada Tanah Salin. *Lentera Bio*, 7(3), 87-92.

