

DAFTAR PUSTAKA

- Ahemad, M., & Khan, M. S. 2012. Effect of fungicides on plant growth promoting activities of phosphate solubilizing *Pseudomonas putida* isolated from mustard (*Brassica campestris*) rhizosphere. *Chemosphere*, 86 (9), 945–950.
- Ahemad, M., & Kibret, M. 2014. Mechanisms and applications of plant growth promoting rhizobacteria: Current perspective. *Journal of King Saud University Science*, 26 (1), 1–20.
- Anggarwulan, E., Solichatun, S., & Mudyatini, W. (2008). Physiological characters of kimpul (*Xanthosoma sagittifolium* (L.) Schott) in various of light intensity (shading) and water availability. *Biodiversitas Journal of Biological Diversity*, 9(4), 264–268. <https://doi.org/10.13057/biodiv/d090405>
- Anoop, K. dan B.R. Suseela. 2014. Evaluation of antagonistic potential of indigenous *Trichoderma* isolates against *Pythium aphanidermatum* Fitz causing rhizome rot in turmeric (*Curcuma longa* L). *J. Sci.* 4(2):99-105.
- Anzuay, M. S., Frola, O., Angelini, J. G., Ludueña, L. M., Ibañez, F., Fabra, A., & Taurian, T. 2015. Effect of pesticides application on peanut (*Arachis hypogaea* L.) associated phosphate solubilizing soil bacteria. *Applied Soil Ecology*, 95, 31–37.
- Asniah, Widodo, dan S. Wiyono. 2013. Potensi cendawan asal tanah perakaran bambu sebagai endofit dan agen biokontrol penyakit akar gada pada tanaman brokoli. *JHPT Tropika 1*: 61-68.
- Badan Pusat Statistik. 2022. *Produksi padi tahun 2020, 2021, dan 2022* [internet]. [diunduh 2023 Jan 11]. Tersedia pada: www.bps.go.id
- Baharuddin, Harniati R, Faisal F. Yani A. Suparni, Hamid H, Kuswinanti T, Jahuddin R. 2017. Keberadaan penyakit busuk bulir (*Burkholderia glumae*) pada tanaman padi di Sulawesi Selatan. *Prosiding Simposium Nasional Fitopatologi*. Bogor (ID): Institut Pertanian Bogor. Hlm 19 – 16.
- Bhardwaj, D., Ansari, M. W., Sahoo, R. K., & Tuteja, N. (2014). Biofertilizers function as key player in sustainable agriculture by improving soil fertility, plant tolerance and crop productivity. *Microbial Cell Factories*, 13(1), 1–10.
- Cappuccino, J.G. & Sherman, N. 1987. *Microbiology: A Laboratory Manual*. The Benjamin/Cummings Publishing Company, Inc. Clifornia.
- Cooke B. M. 1998. *Disease Assessment and Yield Loss*. Ed ke-2. London UK: Kluwer
- Cottyn, B., M.T. Cerez, M.F. Van Outryve, J.Barroga, J. Swings, & T.W. Mew. 1996. Bacterial Diseases of Rice. I. Pathogenic Bacteria Associated with Sheath Rot Complex and Grain Discoloration of Rice in the Philippines. *Plant Disease* 80: 429–437.
- David, S. R., Ihiawakrim, D., Regis, R., & Geoffroy, V. A. (2020). Iron removal from raw asbestos by siderophores-producing *Pseudomonas*. *Journal of*

- 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.
- Direktorat Bina Perlindungan Tanaman Pangan. 1992. *Penyakit padi. Laporan Akhir*. Jakarta (ID): Direktorat Jenderal Tanaman Pangan Kementerian Pertanian
- Elkoca, E., F. Kantar, dan F. Sahin. 2008. Influent nitrogen fixing and phosphorus solubilizing bacteria on the nodulation, plant growth and yield of chickpea. *J. Plant Nutr* 31: 157-171.
- Erfin, Sandiah, N., & La Malesi., 2016. Identifikasi Bakteri *Azospirillum* dan *Azotobacter* pada Rhizosphere asal Komba-Komba (*Chromolaena odorata*). *JITRO*, 3(2):31-38.
- Firmansyah, I; Liferdi; Khaririyatun, N; dan Yufdy MP. 2015. Pertumbuhan dan Hasil Bawang Merah dengan Aplikasi Pupuk Organik dan Pupuk Hayati pada Tanah Alluvial. *Jurnal Hort. Volume 25 Nomor 2*. Bandung: Balai Penelitian Tanaman Sayuran.
- Gardner FP, RB Pearce dan RL Mitchell. 2008. *Fisiologi Tanaman Budidaya*. Susilo H. Subiyanto. Penerjemah. UI Prees. Jakarta. 428 hlm.
- Glick BR. 2012. Plant growth-promoting bacteria: mechanisms and applications. *Scientifica*. 2012:1-15.
- Glick, B.R. 1995. The Enhancement Of Plant Growth By Free-Living Bacteria. *Canadian Journal Microbiology* 41: 109-117.
- Gram, HC (1884). "Über die isolierte Färbung der Schizomyceten in Schnitt- und Trockenpräparaten". *Fortschritte der Medizin*. 2: 185–89
- Gupta, G., Parihar, S., Ahirwar, N., Snehi, S., & 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.
- Hamid, A. 2016. *Analisis Pendapatan Petani Padi Sawah Di Kecamatan Woyla Kabupaten Aceh Barat*. Skripsi. Fakultas Pertanian Universitas Teuku Umar.
- Handiyanti M, Subandiyah S. Joko T. 2018. Deteksi molekuler *Burkholderia glumae*, penyebab penyakit hawar malai padi. *JPTI*. 22(1):98–107. DOI:
- Hardiansyah. 2020. "Identifikasi Plant Growth Promoting Rhizobacteria Pada Rizosfer Bambu Duri Dengan Gram KOH 3%". *Agrotechnology Research Journal* 4 (1): 41–46.
- Hardiansyah, M. Y., Musa, Y., and Jaya, A. M. 2021. The Effectiveness of Giving Plant PGPR Rhizosphere Bamboo on Cocoa Seeds Germination at The Nursery

Level. *Biology, Medicine, & Natural Product Chemistry*, 10(1), 1-5.

- Hidayat. C., Dedeh. H., Arief, Nurbity.A., Sauman.J. 2013. Inokulasi Fungsi *Mikoroza Arnuskula* dan *mycorrhiza helper* bacteria pada Andisol yang Diberi Bahan Organik untuk Meningkatkan Stabilitas Agregat Tanah, Serapan N dan P dan Hasil Taaman Kentang. *Indonesian Journal of Applied Science*. 3(2).2013:26-41.
- Hindersah R, Simarmata T. 2004. Potensi rizobakteri *Azotobacter* dalam meningkatkan kesehatan tanah. *Jurnal Natur Indonesia*, 5(2), 127-133.
- Husein E, Saraswati R, Hastuti RD. 2008. *Rizobakteri Pemacu Tumbuh Tanaman*. <http://www.nuance.com>
- Ipek, M., L. Pirlak, A. Esitken, F. Donmez, M. Turan, dan F. Sahin. 2014. Plant growth promoting rhizobacteria increase yield, growth and nutrition of strawberry under high calcareous soil condition. *J. Plant. Nutr.* 37: 990-1001.
- Iswati, R. 2012. Pengaruh Dosis Formula PGPR Asal Perakaran Bambu Terhadap Pertumbuhan Tanaman Tomat (*Solanum Lycopersicum* syn). *Jurnal Agroteknotropika*, 1(1).
- Jasril DA. 2016. *Keanekaragaman Hymenoptera Parasitoid Pada Pertanaman Padi di Dataran Rendah dan Dataran Tinggi Sumatera Barat*. [Skripsi]. Padang: Fakultas Pertanian Universitas Andalas
- Jeong Y, Kim J, Kim S, Kang Y, Nagamatsu T, Hwang I. 2003. Toxoflavin produced by *Burkholderia glumae* causing rice grain rot is responsible for inducing bacterial wilt in many field corps. *Plant Disease*. 87:890-895.
- Joko T. 2017. *Burkholderia glumae* sebagai *emerging pathogen*: status, potensi kerusakan, dan strategi pengendalian. Prosiding Simposium Nasional Fitopatologi. Bogor (ID): Institut Pertanian Bogor. Hlm 27–35.
- Karki HS, Shrestha BK, Han JW, Groth DE, Barphagha IK, Rush MC, Melanson RA, Kim BS, Ham JH. 2012. Diversities in virulence, antifungal activity, pigmentation and dna fingerprint among strains of *Burkholderia glumae*. *PLoS ONE*. 7(9):e45376.doi:10.1371/journal.pone.0045376.
- Karlidag, H., A. Esitken, E. Yildirim, M.F. Donmez, dan M. Turan. 2011. Effect of plant growth promoting bacteria on yield, growth, leaf water content, membrane permeability and ionic composition of strawberry under saline condition. *J. Plant. Nutr.*34: 34-45.
- Kaushal, M., & Wani, S. P. (2016). Plant-growth-promoting rhizobacteria: drought stress alleviators to ameliorate crop production in drylands. *Annals of Microbiology*, 66(1), 35–42.
- Kishore G. K. & Podile A.R. 2006. Plant Growth Promoting Rhizobacteria . In : Gnanamanickam, S.S (Ed). *Plant associated bacteria*. Springer Netherlands. Pp. 195-230

- Kurita, T. and H. Tabei. 1967. *On the pathogenic bacterium of bacterial grain rot of rice*. Ann. Phyto. Soc. Jap. 33: 111.
- Kurniasih, dkk. 2008. Karakteristik Perakaran Tanaman Padi Sawah IR 64 (*Oryza sativa* L) : Pada Umur Bibit dan Jarak Tanam yang Berbeda. *Ilmu Pertanian* Vol. 15 No.1,2008:15-25. Universitas Gajah Mada
- Kurniaty, R., Bustomi, S., & Widyati, E. (2013). Penggunaan *Rhizobium* dan mikoriza dalam pertumbuhan bibit kaliandra (*Calliandra calothyrsus*) umur 5 bulan. *Jurnal Perbenihan Tanaman Hutan*, 1(2), 71–81.
- Las, I., B. Suprihatno, dan I.N. Widiarta. 2004. Perkembangan Varietas Perpadian Nasional. Inovasi Pertanian Tanaman Pangan. *Puslitbang Tanaman Pangan. Bogor*. Hal 1-25
- Lindung. 2014. *Teknologi Pembuatan dan Aplikasi Bakteri Pemacu Pertumbuhan Tanaman (PGPR) dan Zat Pengatur Tumbuh (ZPT)* <http://www.bppjambi.info/default.asp?v=news&id=589> diakses pada tanggal 15 Mei 2018.
- Liu, W., Wang, Q., Hou, J., Tu, C., Luo, Y., & Christie, P. (2016). Whole genome analysis of halotolerant and alkalotolerant plant growthpromoting rhizobacterium *Klebsiella* sp. D5A. *Scientific Reports*, 6(May), 20–22.
- Madigan MT, Martinko JM, Stahl DA. & Clark DP. 2012. Brock: *Biology of Microorganisms*. Pearson, San Fransisco
- Masdar, Kasim, M., Rusman, B., Hakim, N., dan Helmi. 2006. Tingkat Hasil dan Komponen Hasil Sistem Intensifikasi Padi (SRI) Tanpa Pupuk Organik di Daerah Curah Hujan Tinggi. *Jurnal Ilmu-Ilmu Pertanian Indonesia*. Vol. 8, No. 2: 126-131.
- Muhayat, Y.,Dukat, D., & Budirokhman, D. (2020). Pengaruh Dosis Kompos Jerami Padi Dan Konsentrasi PGPR (*Plant Growth Promoting Rhizobacteria*) Terhadap Prtumbuhan Dan Hasil Padi Kultivar Ciherang. *Agroswagati Jurnal Agronomi*, 8 (2).
- Munees,A.and Mulugeta,K. 2014. Mechanism and applications of plant growth promoting rhizo bacteria. *Journal of King Saud University-Science* 26 (1): 1-20.
- Nandakumar, R., Shahjahan, A.K.M, Yuan, X.L., Dickstein, E.R., Groth, D.E., Clark, C.A., Cartwright, R.D. and Rush, M.C. 2009. *Burkholderia glumae* and *B. gladioli* Cause Bacterial Panicle Blight in Rice in the Southern United States. *Plant Disease*, 93(9) : 896-905
- Nico, L., Pretorius, T., & A.H, I. (2010). *Plant growth promoting rhizobacteria as biocontrol agents against soil-borne plant diseases*.
- Nico, M., P. H. Riyadi dan I. Wijayanti. 2014. Pengaruh Penambahan Karagenan terhadap Kualitas Sosis Ikan Kurisi (*Nemipterus sp.*) dan Sosis Ikan Nila (*Oreochromis sp.*). *Jurnal Pengolahan dan Bioteknologi Hasil Perikanan*. 3

(2) : 99-105.

- Pérez-Montaño F, Alías-Villegas C, Bellogín RA, del Cerro P, Espuny MR, Jiménez-Guerrero I, López-Baena FJ, Ollero FJ and Cubo T. 2014. Plant growth promotion incereal and leguminous agricultural important plants: from microorganism capaciiesto crop production. *Microbiol. Res.*,169: 325–36
- Pratiwi, Fitrah; Marlina dan Mariana. 2017. Pengaruh Pemberian Plant Growth Promoting Rhizobakteria (PGPR) dari Akar Bambu terhadap Pertumbuhan dan Hasil Bawang Merah (*Allium ascalonicum L.*). *Jurnal Agrotropika Hayati*. Volume 4 Nomor 2. Aceh: Universitas Almuslim.
- Purwono, L. dan Purnamawati. 2007. *Budidaya Tanaman Pangan*. Penerbit Agromedia. Jakarta
- Rao, S.N.S. 2007. *Mikroorganisme Tanah dan Pertumbuhan Tanaman*. Jakarta: Universitas Indonesia (UI-Press).
- Reddy, B.N., K.V. Saritha, dan A. Hindumathi. 2014. In vitro screening for antagonistic potential of seven species of *Trichoderma* againts different plant pathogenic fungi. *J Biol.* 2:29-36.
- Saddler G S. 1994. IMI descriptions of fungi and bacteria, Set 122, Nos 1211-1220. *Mycopathologia*, **128**(1): 59–60.
- Saharan, B.S. and V. Nehra. 2011. Plant Growth Promoting Rhizobacteria: A critical Review. *Life Sciences and Medicine Research* 2(1):21±30.
- Saptana, et al., 2000 Saptana, Sumaryanto, Hendiarto, R. S. Rivai, Sunarsih, A. Murtiningsih dan V. Siagian. 2000. *Rekayasa Optimalisasi Alokasi Air Irigasi dalam Rangka Peningkatan Produksi Pangan dan Pendapatan Petani (Tahap II)*. Puslit PSE Pertanian, BADAN LITBANG, Bogor.
- Schaechter, M. 2009. *Encyclopedia of Mikrobiology*. Third Edition. Elsevier Inc. USA. 460
- Sharma, R., R.C. Rajak, dan A.C. Pandey. 2010. Evidence of antagonistic interaction between rhizosphere end mycorrhizae fungi associated with *Dendrocalamus strictus* (Bamboo). *Journal of yeast and fungal research* 1(7):112-117.
- Shofiah, Dian Khoirotun dan Setyono Yudho Tyasmoro. 2018. Aplikasi PGPR (*Plant Growth Promoting Rhizobacteria*) dan Pupuk Kotoran Kambing pada Pertumbuhan dan Hasil Bawang Merah (*Allium ascalonicum L.*) Varietas Manjung. *Jurnal produksi Tanaman*. Volume. 6 Nomor 1. Malang: Universitas Brawijaya.
- Singh, RP., & Jha, P. (2015). Molecular identification and characterization of rhizospheric bacteria for plant growth promoting ability. *Int.J.Curr.Biotechnol*, 3 (7), 12–18.
- Soesanto L, Mugiastuti E, Rahayuniati RF. 2011. Biochemical characteristic of *Pseudomonas fluorescens* P60. *J Biotechnol and Biodiver.* 2: 9-26.

- Soesanto L. 2008. *Pengantar Pengendalian Hayati Penyakit Tanaman*. PT. Raja Grafindo Persada. Jakarta.
- Sopialena. 2018. *Pengendalian Hayati dengan Memberdayakan Potensi Mikroba*. Mulawarman University Press. Samarinda
- Sorensen, J., Jensen, L. E., & Nybroe, O. (2001). Soil and rhizosphere as habitats for *Pseudomonas* inoculants: New knowledge on distribution, activity and physiological state derived from micro-scale and single-cell studies. *Plant and Soil*, 232(1–2), 97–108.
- Suparyono dan Setyono, A. (2003). *Padi*. Jakarta: Penebar Swadaya.
- Sureshababu, K., Amaresan, N., & Kumar, K. (2016). Amazing multiple function properties of plant growth promoting rhizobacteria in the rhizosphere soil. *International Journal of Current Microbiology and Applied Sciences*, 5 (2), 661–683.
- Surowinoto S. 1982. *Budidaya Tanaman Padi*. Gramedia Pustaka Utama:Jakarta.
- Tamura, K., Stecher, G., Peterson, D., Filipski, A., & Kumar, S. (2013). MEGA6: Molecular evolutionary genetics analysis version 6.0. *Molecular Biology and Evolution*, 30(12), 2725–2729.
- Tank, N., Rajendran, N., Patel, B., & Saraf, M. (2012). Evaluation and biochemical characterization of a distinctive pyoverdinin from a *Pseudomonas* isolated from chickpea rhizosphere. *Brazilian Journal of Microbiology*, 43(2), 639–648.
- Trung HM, Van NV, Vien NV, Lam DT, Lien M. 1993. Occurrence of rice grain rot disease in Vietnam. *Int Rice Res Notes*. 18(3): 30.
- Tsushima S. 1996. Epidemiology of bacterial grain rot of rice caused by *Pseudomonas glumae*. *JARQ*. 30:85–89.
- Tu, Z., L. Chen, X. Yu, dan Y. Zheng. 2013. Effect of bamboo plantation on rhizosphere soil enzyme and microbial activities in coastal ecosystem. *J. Food Agricul Environ*. 11(03): 2333-2338.
- Urakami, T., C. Ito-Yoshida, H. Araki, T. Kijima, K-I. Suzuki, and K. Komagata. 1994. Transfer of *Pseudomonas plantarii* and *Pseudomonas glumae* to *Burkholderia* as *Burkholderia* spp. and description of *Burkholderia vandii* sp. nov. *Int. Journ. OfSystematic Bact*. 44 (2): 235-245.
- Viveros O. M, Jorquera M.A., Crowley D.E., Gajard G. And Mora M.L. 2010. echanisms and practical considerations involved in plant growth promotion by hizobacteria. *Jof Soil Science Plant Nutrient* 10 (3): 293±319.
- Wahyudi AT. 2009. *Rhizobacteria Pemacu Pertumbuhan Tanaman: Prospeknya sebagai Agen Biostimulator dan Biokontrol*(Tangerang (ID): Nano Indonesia)
- Wamishe, Y., C. Kelsey., S. Belmar.,T. Gebremariam, and D. McCarty. 2018. Bacterial panicle blight of rice in Arkansas.*Agriculture and Natural Resources*, 1 (1):

1-4.

- Wiyono S, Mutaqin KH, Hidayat SH, Supramana, Widodo, 2017. *Emerging disease* pada tanaman pertanian: strategi dan opsi kebijakan pengendalian. *Prosiding Simposium Nasional Fitopatologi. Bogor (ID):* Institut Pertanian Bogor. Hlm 1–11.
- Yassi, A. 2009. Pola Pertanian Terpadu Berbasis Padi Berdasarkan Perwilayaan Iklim di Kabupaten Pinrang. *Jurnal Sains dan Teknologi Seri Ilmu-Ilmu Pertanian Program Pasca Sarjana Unhas* Vol.8.No.1, April 2008.
- Yulistiana elza, Hening Widowati , Agus Sutanto 2020. Plant Growth Promoting Rhizobacteria (PGPR) Dari Akar Bambu Apus (*Gigantochoa Apus*) Meningkatkan Pertumbuhan Tanaman .*BIOLOVA* VOL 1. NO 1. Pasca Sarjana Universitas Muhammadiyah Metro.
- Zerrouk, I. Z., Rahmoune, B., Khelifi, L., Mounir, K., Baluska, F., & Ludwig-Müller, J. (2019). Algerian Sahara PGPR confers maize root tolerance to salt and aluminum toxicity via ACC deaminase and IAA. *Acta Physiologiae Plantarum*, 41(6), 1–10.