

## DAFTAR PUSTAKA

- Arianto, 2010. *Budidaya Cabai*. Kanisius. Yogyakarta.
- Aravind, R., Antony D., Santosh J., Eapen., Kumar A., Ramana KV. 2009a. Isolation and evaluation of endophytic bacteria against plant parasitic nematodes infesting black pepper (*Piper nigrum* L.). *Ind J Nemato*. 136 (2): 211-217.
- Aravind, R., Antony D., Santosh J., Eapen., Kumar A., Ramana KV. 2009b. Endophytic bacterial flora in root and stem tissues of black pepper (*Piper nigrum* L.) genotype: isolation, identification and evaluation against *Phytophthora capsici*. *Lett Appl Microbio*. 148 (1) : 58-64.
- Backman, P. A and Sikora, R. A. 2008. Endopytes: An Emerging Tool For Biological Control. *Biol Control*. 46 (1):1-3.
- Bacon, C. W and DM. Hinton. 2007. Bacterial Endophytes: The Endophytic Niche, Its Occupants, and Its Utility. In: Gnanamanicham SS. Gnanamanicham (ed). *Plant Associated Bacteria*. Springer. Berlin. Pub 155-194.
- Badan Penelitian dan Pengembangan Pertanian (BPPP). 2016. *Pengelolaan Tanaman Terpadu pada Budidaya Cabai Merah*. Jakarta
- Badan Pusat Statistik dan Direktorat Jenderal Hortikultura. 2016. *Produktivitas Tanaman Sayuran di Indonesia, 2013-2016*. <http://www.pertanian.go.id>. [accessed 14 Maret 2017].
- Balai Penelitian Tanaman Sayuran. 2008. *Petunjuk Teknis Budidaya Cabai Merah*. Lembang.
- Balai Penelitian Tanaman Sayuran. 2005. *Budidaya Tanaman Cabai Merah*. Lembang.
- Bambang, P. 2010. *Budidaya dan Pascapanen Cabai Merah (Capsicum annum L.)*. Balai Pengkajian Teknologi Pertanian Jawa Tengah.
- Barka, E. A., Geonies S., Nowak J., Audran JC., and Belarbi A. 2002. Inhibitory Effect of Endhopyt Bacteria on *Brotrytis cinerea* and its Influence to Promote the Grapevine Growth. *Biol. Control*. 24 (2): 135-142.
- Berke, T., L. L. Black., N. S. Talekar., J. F. Wang., P. Gniffke., S. K. Green., T. C. Wang., R. Morris. 2005. Suggested Cultural Practices for Chili Pepper. AVRDC. Pub 05-620.

- Cahyono, B. 2003. Teknik Budidaya Cabai Merah dan Analisis Usaha Tani. Kanisius. Yogyakarta.
- Carol, D. 1998. *Microbiology: A laboratory Manual*. Addison-Wesley, USA.
- Cattelan, A. J., P. G. Hartel, and J. J. Fuhrmann. 1999. Screening of Plant Growth Promoting Rhizobacteria to Promote Early Soybean Growth. *Soil Sci. Soc. Am. Journal* 63:1670-1680.
- Compant, S., B. Duffy., J. Nowak., C. Clement., and E. A. Barka. 2005. Use of Plant Growth Promoting Bacteria for Biocontrol of Plant Diseases: Principles, Mechanisms of Action, and Future Prospects. *Applied and Environmental Microbiology*. 72 (9) : 4951-4959.
- Daulay, N. R. 2017. Seleksi Bakteri Endofit Indigenos untuk Pengendalian Penyakit Layu Bakteri (*Ralstonia solanacearum* E.F. Smith) pada Tanaman Cabai (*Capsicum annum* L.) Secara In Planta. [Skripsi]. Fakultas Pertanian. Universitas Andalas. Padang.
- Dermawan, R., dan A. Harpenas. 2010. Budidaya Cabai Unggul, Cabai Besar, Cabai Keriting, Cabai Rawit, dan Paprika. Penebar Swadaya. Jakarta.
- Dong, Z., M. Heydrich., K. Bernard., and M. E. Mc Cully. 1995. Further Evidence that Intercellular Spaces of Sugarcane Stems is *Acetobacter diazotrophicus*. *Appl. and Env. Microbiol.* 61 (5): 1843-1846.
- Duriat, A. S., W. H. Widjaja, A. S. Thomas, dan L. Prabuningrum. 1996. Teknologi Produksi Cabai Merah. Balai Penelitian Tanaman Sayuran. Bandung.
- Edward, E. J., W. S. King., S. L. C. Teck., M. Jiwan., Z. F. A. Aziz., F. R. Kundat., O. H. Ahmed., A. M. Majid. 2013. Antagonistic Activities of Endophytic Bacteria Against Fusarium Wilt on Black Pepper (*Piper nigrum*). *Int J Agric Biol.* 15 (2) : 291-296.
- Egamberdiyeva, D. 2006. Improvement of Wheat and Cotton Growth and Nutrient Uptake by Phosphate Solubilizing Bacteria. 26 Southern Conservation. Tillage Convergence.
- French, E. R. 1994. Strategis for Integrated Control of Bacterial of Potato. Di dalam : Hayward AC, Hartman, GL. Editor, Bacterial Wilt Disease: *The Disease and Its Causative Agent Pseudomonas solanacearum*. Wallingford : CAB International. 199-208.
- Gnanamanickam S. S. 2006. Plant Associated Bacteria. Springer. Dordrecht.

- Goviandarajan, M., J. Balandreau., S. W. Kwon., H. Y. Weon., and C. Lakshminarasimhan. 2008. Effect of the inoculation of *Burkholderia vietnamiensis* and related endophytic diazotrophic bacteria on grain yield of rice. *Microb. Ecol.* 55 (1): 21-27
- Habazar, T. dan Yaherwandi. 2006. Pengendalian Hayati Hama dan Penyakit Tumbuhan. Padang. Universitas Andalas Press. ISBN 979-3364-49-1.
- Habazar T., Resti Z., Yanti Y., Trisno J., Diana A., 2012. Penapisan Bakteri Endofit Akar Kedelai Secara in Planta untuk Mengendalikan Penyakit Pustul Bakteri. *Jurnal Fitopatologi Indonesia.* 8 (4): 103-109.
- Hallmann, J., A. Q. Hallmann., W. F. Mahaffe., and J. W. Kloepper. 1997. Bacteria endophytes in agricultural crops. *Canadian Journal Microbiology.* 43: 895-914.
- Handini Z., Vinda T., Nawangsih A. A. 2014. Keefektifan Bakteri Endofit dan Bakteri Perakaran Pemacu Pertumbuhan Tanaman dalam Menekan Penyakit Layu Bakteri pada Cabai. *Jurnal Fitopatologi Indonesia.* 10 (2): 61-67.
- Harpenas, A., dan R. Dermawan. 2008. Budidaya Cabai Unggul. Jakarta. Penebar Swadaya. Hewindati, Y. T. 2006. Hortikultura. Universitas Terbuka. Jakarta.
- Hartman G. L., and Ephinstone. 1994. Advances in The Control of *Pseudomonas solanacearum* Race 1 in Major Food Crops. Di dalam: Hayward AC, Hartman GR, editors. *Bacterial Wilt: The Disease and Its Causative Agent, Pseudomonas solanacearum.* Wallingford [UK]: Cab International.
- Hilman, Y. dan Suwandi. 1992. Pengaruh Pupuk Nitrogen dan Triple Super Phosphate pada Tanaman Cabai. *Bul. Penel. Hort.* 23 (1): 107-116
- Joko T., M. P. Koentjoro., S. Somowiyarjo., M. S Rohmn., A. Liana., N. Ogama. 2012. Response of Rhizobacterial Communities in Watermelon to Infection with *Cucumber Green Mottle Mosaic Virus* as Revealed by Cultivation-Dependent RISA. *Archieve of Phytopathology and Plant Protect.* 47 (10): 1239-1250.
- Kellman, A.1953. The bacterial wilt caused by *Pseudomonas solanacearum*.A Literature review and Bibliography. *Tech. Bull. N. Carolina Agr. Exp. Sta.* 194.
- Klement, Z., K. Rudolph., and D. C. Sands. 1990. *Methods in Phytobacteriology.* Akademia Kiado. Budapest.

- Kloepper, J. W., Zablotowiz, R. M., Tipping, E. M., Lifshitz, R. 1991. Plant growth promotion mediated by bacterial rhizosphere colonizers. In: Keister DL, Cregan PB (ed). *The Rhizosphere and Plant Growth*. Netherlands. Kluwer Acad. Publ: 315-326.
- Kloepper, J. W. 1993. Plant Growth Promoting Rhizobacteria as Biological Control Agents.. In F.B. Meeting, Jr. (Ed.). *Soil Microbial Ecology, Applications in Agricultural and Environmental Management*. New York.. Inc. p. 255-274
- Knoot, J. E., and Deanon, J. R. 1970. *Vegetable Production in Southeast Asia*. Univ Philippines Collage of Agricultural Collage. Philippines. Publ: 97-133.
- Kusumainderawati, E. P. 1979. Pengaruh Penyapihan dan Umur Bibit terhadap Pertumbuhan dan Produksi Tanaman Lombok. *Bul. Penel. Hort.* 6(3).
- Lisnawati., Murti, R. S dan Oemry, S. 2015. Potensi Bakteri Endofit dalam Meningkatkan Pertumbuhan Tanaman Tembakau yang Terinfeksi Nematoda Puru Akar (*Meloidogyne* spp.). *Jurnal Agroekoteknologi* 4 (1): 1881-1889.
- Lodewyckx C., Vangronsveld J., Porteous F., Moore E. R. B., Taghavi S., Mezgeay M and van der Lelie D. 2002. Endophytic Bacteria and Their Potential Applications. *Critical Reviews in Plant Sciences*. 21:583–606.
- M'Piga, P., Belanger, R. R., Paulitz, T. C., Benhamou, N. 1997. Increased resistance to *Fusarium oxysporum f. sp. radicis-lycopersici* in tomato plants treated with the endophytic bacterium *Pseudomonas fluorescens strain 63-28*, *Physiological and Molecular Plant Pathology*. 50: 301-320.
- Mulyaningsih, L. 2010. Aplikasi Agensia Hayati atau Insektisida dalam Pengendalian Hama *Plutella xylostella* Linn dan *Crocidolomia pavonana* Zell untuk Peningkatan Produksi kubis (*Brassica oleracea* L.). *J. Media Soerjo*. 7(2): 91-111
- Munif A., Hallmann, J., Sikora, R. A., 2000. Evaluation of the Biocontrol Activity of Endophytic Bacteria from Tomato Againsts *Meloidogyne incognita*. *Med Fac Landbouw*. 65(2b): 471-480.
- Munif A., Wiyono, S., Suwarno. 2012. Isolasi Bakteri Endofit Asal Padi Gogo dan Potensinya sebagai Agens Biokontrol dan Pemacu Pertumbuhan. *Jurnal Fitopatologi Indonesia*. 8 (3): 57-64.
- Musa AS; M Wachjadi. dan L Soesanto. 2005. Potensi Beberapa Pestisida Nabati dalam Upaya Penyehatan Tanah Tanaman Cabai In Planta. Universitas Soedirman. Purwokerto.
- Nasution, T. 2014. Pengaruh Pemberian Bakteri Endofit untuk Meningkatkan Pertumbuhan Tanaman Sawit. [Skripsi]. Institut Pertanian Bogor. Bogor.

- Nawangsih, A. A., Hanudin., Sanjaya, L., dan Cahyono, B. 2010. Pengendalian *Erwinia carotovora* pada anggrek menggunakan biopestisida mikrobial berbahan aktif *Bacillus subtilis* dan *Pseudomonas fluorescens*. Laporan akhir KKP3T TA 2009. Bogor.
- Nilisma, M. 2018. Karakterisasi Mekanisme Biokontrol Isolat Bakteri Endofit Indigenos Terpilih untuk Pengendalian Layu Bakteri (*Ralstonia solanaceae* subsp. *Indonesiensis*) dan Layu Fusarium (*Fusarium oxysporum* F.sp *Capsici*) pada Tanaman Cabai. [Skripsi]. Universitas Andalas. Padang.
- Palupi, H., Izmi, Y., dan Respatijarti. 2015. Uji Ketahanan 14 Galur Cabai Besar (*Capsicum annuum* L.) terhadap Penyakit Antraknosa (*Colletotrichum spp*) dan Layu Bakteri (*Ralstonia solanacearum*). Jurnal Produksi Tanaman. 3(8): 640-648.
- Plantamor. 2012. Klasifikasi Cabai. <http://www.plantamor.com>. [accessed 26 Maret 2017].
- Polii M. G. M. 2003. Penentuan Umur Berbuah Tanaman Cabai Merah (*Capsicum annuum* var. *longum* Sendt) Pada Tiga Tinggi Tempat Yang Berbeda Menggunakan Metode Satuan Panas. Universitas Sam Ratulangi. Manado. *Eugenia*. 9(2):104-108.
- Prajnanta, F. 2007. Agribisnis Cabai Hibrida. Penebar Swadaya. Jakarta.
- Pramudyani, R., Lelya., Qomariah., dan M, Yassin. 2014. Tumpangsari Tanaman Cabai Merah dengan Bawang Daun Menuju Pertanian Ramah Lingkungan. Prosiding Seminar Nasional Pertanian Organik. Kalimantan Selatan. Balai Pengkajian Teknologi Pertanian Kalimantan Selatan.
- Press, C., Kisaalita W., Wilson M., Tuzun S., Kloepper J. W., 1997. Effect of Iron and Siderophores on Induced Systemic Resistance on Cucumber.
- PT. East West Seed Indonesia. 2017. Benih Cabai KRIDA F1. Purwakarta. <http://agraria.co.id> [accessed 12 Agustus 2017].
- Rahaju M., dan Sucahyono, D. 2000. The Effect of Cemical and Natural Bactericides on *Ralstonia solanacearum* Infestation in Groundnut. <http://agris.fao.org>. [accessed 10 April 2018].
- Resti, Z., Habazar, T., Prima D. P., Nasrun., 2013. Skrining dan Identifikasi Isolat Bakteri Untuk Mengendalikan Penyakit Hawar Daun Bakteri Pada Bawang Merah. Jurnal HPT Tropika. 13 (2): 105-207.
- Rompas, J. 2001. Efek Isolasi Bertingkat *Colletotrichum capsicii* terhadap Perkembangan Penyakit Antraknose. Prosiding Kongres Nasional XVI

dan Seminar Hasil Perhimpunan Fitopatologi Indonesia. Bogor. 22-24 Agustus 2001.

Rosenblueth M., and Romero E.M., 2004. *Rhizobium etli* Maize Populations and Their Competitiveness for Root Colonization. *Arch Microbiol.* 181(5): 337- 344.

Rukmana, Rahmat. 1994. *Budidaya Cabai Hibrida System Mulsa Plastik*. Kanisius. Yogyakarta.

Ryan, R. P., Germaine, K., Franks, A., Ryan, D. J., Dowling, D. N. 2007. Bacterial Endophytes: Recent Developments and Application. *FEMS Microbiology Letter.* 278: 1-9.

Safni, I., Cleenwerck, I., De Vos, P., Fegan, M., Sly, L., Kappler, U. 2014. Polyphasic taxonomic revision of the *Ralstonia solanacearum* species complex: proposal to emend the descriptions of *Ralstonia solanacearum* and *Ralstonia syzygii* and reclassify current *R. syzygii* strains as *Ralstonia syzygii subsp. syzygii subsp. nov.*, *R. solanacearum* phylotype IV strains as *Ralstonia syzygii subsp. indonesiensis subsp. nov.*, banana blood disease bacterium strains as *Ralstonia syzygii subsp. celebesensis subsp. nov.* and *R. solanacearum* phylotype I and III strains as *Ralstonia*.

Sari, N. M. 2017. *Introduksi Isolat Rizobakteri Indigenos Terseleksi sebagai Agens Biokontrol Ralstonia solanacearum untuk Meningkatkan Pertumbuhan dan Hasil Tanaman Cabai*. [Skripsi]. Universitas Andalas. Padang.

Schaad N. W., Jones, J. B., and Chun, W. 2001. *Laboratory Guide for Identification of Plant Pathogenic Bacteria*. Third Edition. APS Press. The American Phytopathological Society. St. Paul. Minnesota: 373.

Semangun, H. 1994. *Penyakit - Penyakit Tanaman Hortikultura di Indonesia*. Gadjah Mada University Press. Yogyakarta.

Semangun. H. 2007. *Penyakit-Penyakit Tanaman Hortikultura di Indonesia*. Gajah Mada University Press. Yogyakarta.

Sessitsch A., Reiter B., Berg G. 2004. Endophytic Bacterial Communities of Field-grown Potato Plants and Their Plant Growth Promoting and Antagonistic Abilities. *Can J Microbiol.* 50 (4): 239-249.

Setiadi. 2012. *Bertanam Cabai di Lahan dan Pot*. Jakarta. Penebar Swadaya. 180 hal. PCARRD [Persley, G.J. (ed.)]. Australian Centre International Agricultural Research (ACIAR), Los Banos. No. 13: 126-143.

- Siddiqui I.A., dan Shaukat S.S. 2003. Endophytic Bacteria:Prospects and Opportunities For The Biological Control Of Plant-Parasitic Nematodes, *Nematol. Medit* 31:111–120.
- Siven, A., and I. Chet. 1986. Biological control of *Fusarium spp.* in Cotton, Wheat and Muskmelon by *Trichoderma harzianum*. *Journal of Phytopathology*. 116 : 39-47.
- Soesanto, L. 2008. *Pengantar Pengendalian Hayati Tanaman*. PT Raja Grafindo Persada. Jakarta.
- Spaepen, S., Jos, V., Roseline, R. 2007. Indole-3-Acetic Acid in Microbial and Microorganism Plant Signaling. Departemen of Microbial and Molecular Systems. Centre of Microbial and Plant Genetics: Belgium.
- Sturz A. V., and Nowak, J. 2000. Endophytic Communitites of Rizobacteria and The Strategies Required to Create Yield Enchancing Associations with Crops. *A.l. Soil. Ecol.* 15: 183-190.
- Sumarni N., dan Muharam A. 2005. Budidaya Tanaman Cabai Merah. Balai Penelitian Tanaman Sayuran, Pusat Penelitian dan Pengembangan Hortikultura Badan Penelitian dan Pengembangan Pertanian.
- Sumarni, N. 2009. Budidaya Sayuran; Cabai, Terung, Buncis, dan Kacang Panjang. Makalah Linkages ACIAR-SADI. Balai Penelitian Tanaman Sayuran. Lembang.
- Sundaramoorthy, S., Raguchander, T., Ragupathi, N., Samiyappan, R. 2012. Combinatorial Effect of Endophytic and Plant Growth Rhizobacteria Against Wilt Disease of *Capsicum annum* L. Caused by *Fusarium solani*. *Bio Cont.* 60 (1) : 59-67.
- Susilawati., A. S. Rujito., Munandar., dan H. Mery. 2012. Karakter Agronomi dan Toleransi Varietas Cabai Merah Akibat Genangan pada Fase Generatif. Lahan Suboptimal: 22-30.
- Sutariati, G. A. K. 2006. Perlakuan Benih dengan Agen Biokontrol Untuk Pengendalian Penyakit Antraknosa, Peningkatan Hasil dan Mutu Benih Cabai [Disertasi]. Sekolah Pascasarjana IPB. Bogor.
- Sutarya, R., dan G. Grubben. 1995. *Pedoman Bertanam Sayuran Dataran Rendah*. Gadjah Mada University Press. Prosea Indonesia-Balai Penel. Hortikultura Lembang.
- Tan, R. X., and W. X. Zou. 2001. Endophytes: A Rich Source of Functional Metabolites. *Nat Prod. Rep.* 18 : 448-459.

- Utami, F. 2018. Peningkatan Ketahanan Cabai (*Capsicum annuum* L.) dengan Rizobakteri Indigenos Terseleksi (Pengendalian Penyakit Layu Bakteri) untuk Pengendalian Kutu Kebul. [Skripsi]. Universitas Andalas. Padang.
- Vos, J. G. M., T. S. Uhan, and R. Sutarya 1995. Integrated Crop Management of Hot Pepper (*Capsicum* spp.) Under Tropical Lowland Conditions: Effect of Rice Straw and Plastic Mulches on Crop Health. *Crop Protection*. 14 (6): 445-452
- Wei, G., Kloeper, J. W., and Tuzun, S. 1991. Induction of Systemic Resistance of Cucumber to *Colletotrichum orbiculare* by Select Strains of Plant Growth Promoting Rhizobacteria. *Phytopatology*. (81) 1508-1512.
- Welles G. W. H. 1990. *Pepper*. International Agric. Center. Wageningen The Netherland.
- Widodo, W. D. 2002. *Memperpanjang Umur Produktif Cabai (60 Kali Petik)*. Penebar Swadaya. Jakarta.
- Wiryanta, B. T. W. 2002. *Bertanam Cabai pada Musim Hujan*. Agromedia Pustaka. Jakarta.
- Yabuuchi, E., Kosaka, Y., Yano, I., Hotta, H., Nishiuchi, Y. 1995. Transfer of Two Burkholderia and an Alcaligenes Species to Ralstoniagen : Proposal of *Ralstonia pickettii* (Ralston, Palleroni, and Doudoroff. 1973) comb. Nov. *Ralstonia solanacearum* (Smith, 1986). Com nov. and *Ralstonia eutropha* (Davis.1996) comb nov. *J. Microbiol. Immunol.* 39 (11): 897-904.
- Yanti, Y., Habazar, T., Resti, Z., Suhaila, D. 2013. Penapisan Isolat Rizobakteri dari Perakaran Tanaman Kedelai yang Sehat untuk Pengendalian Penyakit Pustul Bakteri (*Xanthomonas axonoposis* pv. *glycines*). *Jurnal HPT Tropika*. 13(1): 24-34
- Yanti Y., dan Syarief Z. 2016. Potensi Rhizobakteria Indigenos Sebagai Agen Hayati dan Aplikasinya untuk Menekan Penyakit serta Meningkatkan Pertumbuhan pada Tanaman Tomat di Sumatera Barat. Laporan Akhir Penelitian Fundamental: Universitas Andalas.
- Yanti, Y, Warnita, Reflin dan Muzir Busniah. 2017. Identificatiion and Characterizations of Potential Indigenos endophytic Bacteria which Had Ability to Promote Growth Rate of Tomato and Biocontrol Agents of *Ralstonia solanacearum* and *Fusarium oxysporum* fsp. *solani*. *Microbiology Indonesia*. 117-122.
- Zinniel, D. K., Lambrecht, P., Harris, N. B., Feng, Z., Kuczmariski, D., Higley, P., Ishimaru C. A., Arunakumari, A., Barletta, R.G., Vidaver A. K. 2002. Isolation and Characterization of Endophytic Colonizing Bacteria from



Agronomic Crops and Prairie Plants. Applied Environmental Microbiology. 68(5): 2198-2208.

