DAFTAR PUSTAKA

Agrios, G. N. 2005. Plant Pathology. Fifth edition. Academic Press.

Ahanger, R. A., Bhat, H. A., Bhat, T. A., Ganie, S. A., Lone, A. A., Wani, I. A Bhat, T. A. 2013. Impact of climate change on plant diseases. *Int J Mod Plant Anim Sci*, *1*(3), 105-115.

Ahmad, M. A., Iqbal, S.M., Ayub, N., Ahmad, Y., and Akram, A. (2010) Identification of resistant sources in chickpea against Fusarium wilt. Pakistan Journal of Botany, 42 (1), 417–426

Almoneafy, A.A., Xie, G., Tian, W., Xu, L., Zhang, G., Ibrahim, M. 2012. Characterization and Evaluation of *Bacillus* Isolates for Their Potential Plant Growth and Biocontrol Activities Against Tomato Bacterial wilt. *Afr J Biotechnol* 11(7):193–7201.

Alwathnani, H. A., and Perveen, K., 2012 Biological control of fusarium wilt of tomato by antagonist fungi and cyanobacteria. *African Journal of Biotechnology*, *11*(5), 1100-1105.

Arsi, A., Octariati, N., Suparman, S. H. K., Gunawan, B., Herlinda, S., Pujiastuti, Y. dan Budiarti, L. 2020. Pengaruh Teknik Budidaya terhadap Serangan Penyakit Pada Tanaman Cabai Rawit (Capsicum frutescens L.) Di Kecamatan Lempuing, Kabupaten Ogan Komering Ilir: Effect of Cultural Technique on Disease of Cayenne Pepper (Capsicum frutescens L.) in Sub District Lempuing, Distict Ogan Komering Ilir. *J-Plantasimbiosa*, *2*(2), 41-52.

Atef, H. A., El-Shafei, H. M., Mansour, M. K., Al Kalamawy, N. M., Hassan, N. E. H. Y., and Lashin, A. I. 2018. Prevalence of Ochratoxigenic Fungi and Ochratoxin A Residues in Animal Feeds and Modulation of Their Toxic Effects by Glutathione. *Int. J. Curr. Microbiol. App. Sci*, *7*(4), 2559-2582.

Baharuddin, R. 2016. Respon pertumbuhan dan hasil tanaman cabai (Capsicum annum L.) terhadap pengurangan dosis NPK 16: 16: 16 dengan pemberian pupuk organik. *Dinamika Pertanian*, *32*(2), 115-124.

Bui, H. T., Jansen, R., Pham, H. T., Mundt, S. 2007. Carbamidocyclophanes A−E, Chlorinated Paracyclophanes with Cytotoxic and Antibiotic Activityfrom the Vietnamese Cyanobacterium Nostoc sp. Journal of Natural Products 70(4): 499-503.

Burja, A. M., Banaigs, B., Abou-Mansour, E., Burgess, J. G., and Wright, P. C. 2001. Marine *Cyanobacteria* prolific source of natural

products. *Tetrahedron*, *57*(46), 9347-9377.

Caire. G. Z, M. M. S., Cano M. C. Z., Mule, D. R., Halperin. 1990. Antimycotic Products from Cynobacterium Nostoc Muscorum Against *Rhizoctonia solani*. Phton Buenos Aires 5:1-4.

Carmichael, W. W. 1992. *Cyanobacteria* Secondary Metabolites the Cyanotoxins. *Journal of Applied Bacteriology* 72(6): 445-459.

Danaatmadja, Y., Subandiyah, S., Joko, T., Sari, C. U. 2009. Isolasi dan Karakterisasi *Ralstonia syzygii* (Isolation and characterization of *Ralstonia syzygii*). *Jurnal Perlindungan Tanaman Indonesia* 15:7-12.

De Cano, M. M., De Mule, M. C., de Caire, G. Z., and de Halperin, D. R. 1990. Inhibition ofCandida albicans andStaphylococcus aureus by phenolic compounds from the terrestrial cyanobacteriumNostoc muscorum. *Journal of Applied Phycology*, *2*(1), 79-81.

Harpenas, A., dan Dermawan, R. 2010. *Budi Daya Cabai Unggul*. PT Niaga Swadaya.

Dixit, R. B., and Suseela, M. R. 2013. Cyanobacteria: potential candidates for drug discovery. *Antonie van Leeuwenhoek*, *103*(5), 947-961.

Djafaruddin, A., Hanafiah, D., Suud, M., Syafruddin dan Mardinus. 1979. Penelitian Penyebab Utama Mati Massal (*Mass Decline*) pada Tanaman Cengkeh di Sumatera Barat. Fakultas Pertanian Universitas Andalas, Padang. 23:83-86.

Elphinstone, J. G. 2005. The current bacterial wilt situation: Aglobal view. p. 9–28. In: C. Allen, P. Prior and C. Hayward(eds.). Bacterial wilt disease and the Ralstonia solanacearumspecies complex, APS press, St. Paul, Minnesota.

Fitriani, M. A., dan Febrianto, D. C., 2020. Penerapan sistem pakar untuk diagnose penyakit dan hama tanaman cabai dengan metode forward chaining. *Sainteks*, *16*(2).

Fogg, G. E., and Thake, B. 1987. *Algal cultures and phytoplankton ecology*. Univ of Wisconsin Press.

Fravel, D., Olivain, C., Alabouvette, C. 2003. *Fusarium oxysporum* and its Biocontrol. New phytologist 157(3): 493-502.

Glare, T., Caradus, J., Gelernter, W., Jackson, T., Keyhani, N., Köhl, J., Stewart,A. 2012. Have Biopesticides Come of Age?. Trends in Biotechnology 30(5): 250-258.

Gray, M. W., and Doolittle, W. F., 1982. Has the endosymbiont hypothesis been proven?. *Microbiological Reviews*, *46*(1), 1.

Griffiths, D. J., and Saker, M. L. 2003. The Palm Island mystery disease 20 years on: a review of research on the cyanotoxin cylindro spermopsin. *Environmental Toxicology: An International Journal*, *18*(2), 78-93.

Gunawan, I., dan Kartina, R. 2017. Substitusi kebutuhan nitrogen tanaman padi sawah oleh tumbuhan air azolla (azolla pinnata). *Jurnal Penelitian Pertanian Terapan*, *12*(3).

Hayward, A. C. 1994. The Hosts of *Pseudomonas solanacearum*. Bacterial Wilt: The Disease and its Causative Agent: *Pseudomonas solanacearum* 9-24.

Hewedy, A. M. 2000. Effect of methods and sources of potassium application on the productivity and fruit quality of some new tomato hybrids.*Egyptian Journal of Agricultural Research*, *78*(1), 227-244.

Hewedy, M. A., Rahhal, M. M. H., Ismail, I. A. 2000. Pathological Studies on Soybean Damping-off Disease. Egypt J Appl Sci 15: 88-102.

Hilman, Y., dan Suwandi, 1992. Pengaruh Pupuk Nitrogen dan Triple Super Phosphate pada Tanaman Cabai. Buletin Penelitian Hortikultura 23(1): 107-116.

Jaki, B., Orjala, J., Sticher, O. 1999. A Novel Extracellular Diterpenoid with Antibacterial Activity from the Cyanobacterium *Nostoc commune*. Journal of Natural Products 62(3): 502-503.

Karthikeyan, N., Prasanna, R., Sood, A., Jaiswal, P., Nayak, S., Kaushik, B. D. 2009. Physiological Characterization and Electron Microscopic Investigation of *Cyanobacteria* Associated with Wheat Rhizosphere. Folia Microbiologica 54(1):43-51.

Kementerian Pertanian Republik Indonesia, 2020. Statistik Pertanian. Pusat Data dan Sistem Informasi Pertanian Kementerian Pertanian Republik Indonesia.

Khan, Z., Kim, Y. H., Kim, S. G., and Kim, H. W. 2007.Observations on the suppression of root-knot nematode (Meloidogyne arenaria) on tomato by incorporation of cyanobacterial powder (Oscillatoria chlorina) into potting field soil.*Bioresource technology*, *98*(1), 69-73.

Kim, J. D., and Lee, C. G. 2006. Antialgal effect of a novel polysaccharolytic kostiense AFK-13 on Anabaena flos-aquae causing water bloom. *Journal of microbiology and biotectonolgy* 16(10),1612-1621.

Kirkwood, A. E., Buchheim, J. A., Buchheim, M. A., Henley, W. J. 2008. *Cyanobacteria*l Diversity and Halotolerance in a Variable Hypersaline Environment. Microbialecology 55(3): 453-465.

Klement, Z., Rudolph, K., Sand. D.C., 1990. Methods in Phytobacteriology.

Budapest: Academia Kiado.

Kumar, H. D., dan H. N.,Singh. 1979. A Textbook On Algae. Mac. Millan Int. College ed, London.

Liang, C., and Liu, H. 2020. Response of hormone in rice sedling to irrigation contamined with cyanobacteria extract containing microcystins. Chemosphere, 127157.

Mansyurdin, D. S., dan Yanti, Y. 2000. Induksi Ketahanan Sistemik Melalui Daun pada Tanaman Cabai Keriting terhadap Penyakit Antraknosa. *Jurnal Stigma* 8(3): 213-216.

Oktaviansyah, A. K., Oktari, O. 2018. Azolla Solusi Air Bersih Berbasis Hayati (Azolla Agen Bioremediasi Air Tercemar, Penyumbang Bahan Organik, dan Nitrogen serta Antibiotik Air di Areal Persawahan). Seminar Nasional Hari Air Sedunia 1(1):200-209.

Palupi, H., Yulianah, I., Respatijarti, R. 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).

Pandey, V. D., Gupta, R. K., Singh, S. K. 2007. *Cyanobacteria* as a Source of Pharmaceutical Compounds. Advances in Applied Phycology. New Delhi: Daya Publishing House250-260.

Prabaningrum, L., Moekasan, T.K., Setiawati, W., Prathama, M., Rahayu.A., 2016. Modul Pendampingan Pengembangan Kawasan Pengelolaan Tanaman Terpadu Cabai. Pusat Penelitian Dan Pengembangan Hortikultura Badan Penelitian Dan Pengembangan Pertanian. Kementerian Pertanian.

Prasanna, R., Chaudhary, V., Gupta, V., Babu, S., Kumar, A., Singh, R., Nain, L. 2013. *Cyanobacteria* Mediated Plant Growth Promotion and Bioprotection Against *Fusarium* Wilt in Tomato. *European Journal of Plant Pathology* 136(2):337-353.

Prasanna, R., Joshi, M., Rana, A. N. U. J., Nain, L. 2013. Modulation of IAA Production in *Cyanobacteria* by Tryptophan and Light. *Polish Journal of Microbiology* 59(2): 99-105

Prasanna, R., Sood, A., Jaiswal, P., Nayak, S., Gupta V., Chaudhary, V., Natarajan, C. 2010. Rediscovering *Cyanobacteria* as Valuable Sources of Bioactive Compounds. Applied Biochemistry and Microbiology 46(2): 119-134.

Rippka, R., Deruelles, J., Waterbury, J. B., Herdman, M., Stanier, R. Y.1979. Generic assignment, strain histories and properties of pure cultures of Cyanobacteria. *Microbiology*, 111(1), 1-61

Rubio, L. M., Flores, E., Frías, J. E., Herrero, A. 2005. Photosynthetic nitrate assimilation in cyanobacteria. *Photosynthesis Research*, *83*(2), 117-133.

Sa'diyah, N., Fitri, A., Rugayah, R. dan Karyanto, A. 2020. Korelasi Dan Analisis Lintas Antara Percabangan Dengan Produksi Cabai Merah (Capsicum annuum L.) Jurnal Agrotek Tropika, 8(1), pp.169-176.

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 solanacearum* sp. *nov*. International Journal of Systematic and Evolutionary Microbiology 64(9):3087-3103.

Sahu, D., Priyadarshani, I., Rath, B. 2012. *Cyanobacteria* as Potential Biofertilizer. CIB Tech J Microbiol 1:20-26.

Salaki, C. L., dan Sembiring, L. 2009. Eksplorasi bakteri Bacillus thuringiensis dari berbagai habitat alami yang berpotensi sebagai agensia pengendali hayati nyamuk Aedes aegypti Linnaeus. In *Seminar Nasional Biologi XX dan Kongres PBI XIV UIN Maliki Malang* (Vol. 24, p. 25).

Sarma, T. A. 2013. Handbook of *Cyanobacteria*. CRC Press.

Schaad, N. W., Jones, J. B., Chun, W. 2001. Laboratory Guide for the Identification of Plant Pathogenic Bacteria. American Phytopathological Society (APS Press).

Semangun, H. 2006. Penyakit-penyakit Tanaman Hortikultura di Indonesia.

Setiyowati, H., M. Surahman, S. Wiyono. 2007. Pengaruh seed coating dengan fungisida benomil dan tepung curcuma terhadap patogen antraknosa terbawa benih dan viabilitas benih cabai besar (Capsicum annuum L). Bul. Agron. 35:176-182.

Setyari, A. R., Aini, L. Q., Abadi, A. L. 2013. Pengaruh Pemberian Pupuk Cair terhadap Penyakit Layu Bakteri (*Ralstonia solanacearum*) pada Tanaman Tomat (*Lycopersicum Esculentum* Mill.). *Jurnal Hama dan Penyakit Tumbuhan* 1(2): 80.

Shanab, S., Saker, M.M., and Abdel Rahman, M.H. 2003. “Crude extract of some fresh water Cyanobacteria have auxin like activity on potato tissue culture”. Arabian Journal of Biotechnology, 6(2), 297-312.

Shtina, E. A. 1991. Regulations of the Development of Algae in Soil. Poehvovedeniye 8: 57-65. (Translated from the Russian by Seripta Technica Inc., Silver Spring Maryland, USA).

Simanungkalit, R. D. M., Saraswati, R., Hastuti, R. D., Husen, E. 2006. Bakteri Penambat Nitrogen. Dalam buku Pupuk Organik dan Pupuk Hayati. Balai Besar Litbang Sumber daya Lahan Pertanian. Badan Litbang Pertanian.

Singh, J. S. 2014. Cyanobacteria: a vital bio-agent in eco-restoration of degraded lands and sustainable agriculture. *Climate change and environmental sustainability*, *2*(2), 133-137.

Sivan, A., and Chet, I. (1986). Biological control of Fusarium spp. in cotton, wheat and muskmelon by Trichoderma harzianum. *Journal of Phytopathology*, *116*(1), 39-47.

Spaepen S, Vanderleyden J, Remans R (2007) Indole-3-acetic acid in microbial and microorganism plant signaling. FEMS Microbiology Reviews. 31: 425 – 448.

Stanier, R. Y., and Cohen-Bazire, G. 1977. Phototrophic Prokaryotes: the *Cyanobacteria*. Annual Review of Microbiology 31(1):225-274.

Stratmann, K., Moore, R. E., Bonjouklian J. B. D., and Smith, T. A. 1994. Welwitin-dolinones Unusual Alkaloids from The Blue-green Algae Hapalosiphon Welwitschiiand Westiellaintricate Relationship to Fischerindolesand Hapalindoles. J Am chem Soc116:9935-9942.

Subba Rao, Y. V., Kulkarni, S. J., Subrahmanyam, M., & Ramo Rao, A. V. (1994). Modified ZSM-5 catalysts for the synthesis of five-and six-membered heterocyclic compounds. *The Journal of Organic Chemistry*, *59*(14), 3998-4000.

Sumarni, N., dan Muharam, A. 2005. Budidaya Cabai Merah. Panduan Teknis PTT Cabai Merah No. 2. Lembang: Balitsa. 34 hlm.

Supriyadi, 1995. Karakteristik *Pseudomonas solanacearum*, P. *syzygii* dan Bakteri Penyebab Penyakit Darah (*Blood disease bacterium*) pada Pisang. Kongres Nasional XIII dan Seminar Ilmiah Perhimpunan Fitopatologi Indonesia571-581.

Suryadi, Y., dan Machmud, M. 2002. Keragaman Genetik Strain *Ralstonia solanacearum* berdasarkan Karakterisasi Menggunakan Teknik Berbasis Asam Nukleat. Buletin AgroBio 5(2): 59-66.

Sutarya, R., Gruben, G., Sutarno, H., 1995. Pedoman Bertanam Sayuran Dataran Rendah. Yogyakarta: Gadjah Mada University Press. 264 hlm.

Swastika, S., Pratama, D., Hidayat, T., Andri, K.B., 2017. Buku Petunjuk Teknis Teknologi Budidaya Cabai Merah. Riau: Universittas Riau Press 58 hlm.

Sze, A. 1993.Biology of the Algae. 2nd edition. Brown Publishers. 65-69 hlm. Tassara,C.,Zaccaro,M.C.,Storni,M.M.,Palma,M.,Zulpa,G.2008.BiologicalControl of Lettuce White Mold with *Cyanobacteria*

Sze, P. 1993. *A Biology of the Algae*. Wm. C. Brown Publishers.

Tantawy, S. T., and Atef, N. M. (2010). Growth responses of Lupinus termis to some plant growth promoting cyanobacteria and bacteria as biofertilizers. *Journal of Food, Agriculture & Environment*, *8*(3/4 part 2), 1178-1183.

Tassara, C., Zaccaro, M. C., Storni, M. M., Palma, M., and Zulpa, G. 2008. Biological control of lettuce white mold with cyanobacteria. *International Journal of Agriculture and Biology*, *10*(5), 487-492.

Vessey, J. K. 2003. Plant growth promoting rhizobacteria as biofertilizers. *Plant and soil*, *255*(2), 571-586.

Wynne, M. J., and Bold, H. C., 1985. *Introduction to the Algae: Structure and Reproduction*. Prentice-Hall, Incorporated.

Yabuuchi, E., Kosako, Y., Oyaizu, H., Yano, I., Hotta, H., Hashimoto, Y., and Arakawa, M. 1992. Proposal of Burkholderia gen. nov. and transfer of seven species of the genus Pseudomonas homology group II to the new genus, with the type species Burkholderia cepacia (Palleroni and Holmes 1981) comb. nov. *Microbiology and immunology*, *36*(12), 1251-1275.

Yabuuchi, E., Kosako, Y., Yano, I., Hotta, H and Nishiuchi, Y., 1995. Transfer of Two *Burkholderia* and An Alcaligenes of Species to *Ralstonia* gen: Proposal of *Ralstonia pickettii* (Ralston, Palleroni, and Doudoroff. 1973). Com nov. and *Ralstonia eutropha* (Davis. 1969) comb nov. J of Microbioly Immunol 39 (11):897-904.

Yanti, Y., Hamid, H., and Syarif, Z. 2019. Screening of Indigenous Rhizospheric Cyanobacteria as Potential Growth Promotor and Biocontrol of Ralstonia syzygii subsp. indonesiensis on Chili. *International Journal of Environment, Agriculture and Biotechnology*, *5*(6).

Yanti, Y., Hamid, H., Reflin. 2018. Eksplorasi dan Pengembangan Produk Bioformulasi Konsorsium Plant Growth Promoting Rhizobacteria dan *Cyanobacteria Indigenos* Sumatera Barat untuk Meningkatkan Pertumbuhan dan Produksi serta Mengendalikan Hama dan Penyakit Utama Tanaman Tomat. Laporan Hasil Penelitian Dasar Unggulan Universitas Andalas Klaster Riset-Publikasi Percepatan Ke Guru Besar (Krp2gb-Pdu-Unand). Padang: Universitas Andalas.

Yuantari, M. G. C. 2009. Studi Ekonomi Lingkungan Penggunaan Pestisida Dan Dampaknya Pada Kesehatan Petani Di Area Pertanian Hortikultura Desa

Sumber Rejo Kecamatan Ngablak Kabupaten Magelang Jawa Tengah (Environmental Economic Study Of Pesticide Using And It's Effect On The Health Of Farmers In The Area Horticulture Agriculture Sumber Rejo Village, Sub District Of Ngablak, District Of Magelang Central Java) (Doctoral dissertation, program Pascasarjana Universitas Diponegoro).

Zimmerman, W. J., and Rosen, B. H., 1992. Cyanobiont Diversity Within and Among Cycads of One Field Site. Canadian Journal of Microbiology 38(12):1324-1328.