

DAFTAR PUSTAKA

- Agrios, G. N., 2005. Plant Pathology. Fifth edition. Academic Press Inc. San Diego, New York, Boston, London, Sidney, Tokyo, Toronto. 645p.
- Ahemad, M. and M.S. Khan. 2010. Improvement in the growth and symbiotic attributes of fungicide-stressed chickpea plants following plant growth promoting fungicide-tolerant Mesorhizobium inoculation. Africa J. Basic Applied Sciences 2: 111-116.
- Ahmad, F. I., I. Ahmad, and M.S., Khan. 2005. Indole Acetyl acid production by the indigenous isolates of Azotobacter and Fluorescent pseudomonas in the presence and absence of tryptophan. J. Biology Turkey. 29: pp 29-34
- Ahmad, F., I. Ahmad. and M.S. Khan., 2008. Screening of free-living rhizospheric bacteria their multiple plant growth promoting activities. Microbiology Research. 163: 173-181
- Akbari, A., S. M. Arab, H.A. Alikhani, I. Allahdadi and M.H. Arzanesh. 2007. Isolation and Selection of Indigenous Azospirillum spp. And the IAA of Superior Strains Effects on Wheat Roots. J. Agriculture Sciences 3(4) : 523-529.
- Alvares, A.M., I. W. Buddenhagen, E. S. Buddenhagen and H. Y. Domen. 1978. Bacterial blight of onion, a new disease caused by Xanthomonas sp. Phytopathology 68: 1132-1136.
- Anitha, A. and M. Rabeeth, 2009. Control of Fusarium wilt of tomato by bioformulation of *Streptomyces griseus* in green house condition. African Journal of Basic & applied sciences 1 (1-2): 9- 14.
- Antoun, H. and J.W. Kloepper. 2001. Plant Growth Promoting Rhizobacteria (PGPR). In Encyclopedia of genetic Academic Press. New York. Edited by Brenner S and Miller J.H. 1477-1480
- Araujo, F.F., A.A. Hening and M. Hungaria. 2005. Phytohormones and antibiotic produced by *Bacillus subtilis* and theirs effects on seed pathogenic fungi and on soybean root development. World Journal Microbiology. Biotechnology 21: 1639-1645.

- Ashelford, K. E., M. J. Day and J. C. Fry. 2003. Elevated Abundance of bacteriophage infecting bacteria in soil. *Applied Environment Microbiology*. 69:285-289
- Ashrafuzzaman, M., F.A. Hossen, M. R. Ismail, M. A. Hoque, M. Z. Islam, S.M. Shahidullah and S. Meon. 2009. Efficiency of plant growth-promoting rhizobacteria (PGPR) for the enhancement of rice growth. *African Journal of Biotechnology* 8 (7): 1247-1252.
- Bakker, P. A. H. M.X. Ran, C. M. J. Pieterse and L. C. van-Loon. 2003. Understanding the involvement of rhizobacteria mediated induction of systemic resistance in biocontrol of plant diseases. *Canadian J. Plant Pathology* 25: 5-9.
- Barazani, O. and Friedman, J. 2000. Effect of exogenously applied L-tryptophan on allelochemical activity of plant growth promoting rhizobacteria (PGPR). *J. Chem. Ecol.* 26: 343-349.
- Bashan, Y. and de-Bashan, L. E. 2010. How the plant growth-promoting bacterium *Azospirillum* promotes plant-growth a critical assessment. *Adv. Agronomy* 108: 77-136.
- Benizri, E., Baudoin, E. and Guckert, A. 2001. Root colonization by inoculated plant growth promoting rhizobacteria. *Biocontrol Science Technology* 11: 557-574.
- Bhattacharyya, P.N. and D.K. Jha. 2012. Plant growth-promoting rhizobacteria (PGPR) emergence in agriculture. *J. Microbiology Biotechnology*. 28: 1327-1350.
- Biro Pusat Statistik. 2015. *Produksi sayuran Indonesia dalam laporan tahunan tanaman hortikultura*. 126 hal.
- Bloemberg, G. V. and B. J.J. Lugtenberg. 2001. Molecular basis of plant growth promotion and biocontrol by rhizobacteria. *Curr. Plant biological control*. 4: 343-350.
- Bora T., H. Ozaktan, E. Gore and E. Aslan. 2004. Biological control of *Fusarium oxysporum f.sp melonis* by wettable powder formulations of the two strains of *Pseudomonas putida*. *J. Phytopathology*. 152: 471-475.
- Bringhurst, R. M., Z. G. Cardon and D. J. Gage. 2001. Galactosides in the rhizosphere: utilization by *Sinorhizobium meliloti* and development of a biosensor. *Proc. Natl Academics Science USA*. 98: 4540-4545.

- Cattelan, M. E., P. G. Hartel dan J. J. Fuhrmann. 1999. Screening of plant growth promoting rhizobacteria to promoting early soybean growth. *Soil Science Society of America*. 31: 1670-1680.
- Chaiharn, M., S. Chunnaleuchanon, A. Kozo and S. Lumyong. 2008. Screening of rhizobacteria for their plant growth promoting activities. *J. Science Technology*. 8 (1): 18-23.
- Chen, C., R. R. Belanger, N. Benhamou and T. Paulitz. 2000. Defense enzymes induced in cucumber roots by treatment with plant growth promoting rhizobacteria (PGPR) and *Phytophthora aphanidermatum*. *Physiology and Molecular Plant Pathology* 56: 13-32.
- Chen, F., M. Wang, Y. Zheng, J. Luo, X. Yang and X. Wang. 2010. Quantitative change of plant defense enzymes and phytohormone in biocontrol of cucumber fusarium wilt by *Bacillus subtilis* B579. *World Journal Microbiology Biotechnology* 26: 675-684.
- Damayanti, T.A. dan T. Katarina. 2008. Protection of pepper against multiple infection of viruses by utilizing root colonizing bacteria. *J. ISSAAS*. 14: 92-100.
- Dobbelaere S., J. Vanderleyden and Y. Okon. 2003. Plant growth promoting effects of diazotrophs in the rhizosphere. *Critical reviews in Plant Sciences*. 22: 10-149.
- Fadhli. 2005. Uji tingkat serangan penyakit hawar daun bakteri pada beberapa varietas bawang merah di Kecamatan Lembah Gumanti Kabupaten Solok. [Skripsi]. Padang. Fakultas Pertanian. Universitas Andalas. 47 hal.
- Gacitua, S.A., F.C.Valiente, P.K. Diaz, C.J. Hernandez, M.M. Uribe and V.E. Sanfuentes. 2009. Identification and biological characterization of isolates with activity inhibitive against *Macrophomona phaseolina* (Tassi) Goid. *Chilean Journal Agricultural Reserch* 69 (4): 526-533.
- Garcia de Salamone I.E, RK, Hynes and L. M. Nelson. 2001. Cytokinin production by plant growth promoting rhizobacteria and selected mutans. *Canadian jurnal Microbiology* 47(5):404-41.
- Gent, D. H. and H. F. Schwartz. 2005a. Effect of nitrogen fertilization and Seed contamination on epiphytic populations of *Xanthomonas axonopodis* pv. *alii* and development leaf blight of onion. Online. *Plant Health Progress* doi: 10.12094/PHP-2005-0331-010-RS.

- Gent, D. H and H. F. Schwartz. 2005b. Management of xanthomonas leaf blight of onion with a plant activator, biological control agents and copper bactericides. *Plant Disease* 89: 631-639.
- Gent, D. D., J.M. Lang, dan H. F. Schwartz. 2005a. Epiphytic survival of *Xanthomonas axonopodis* pv.allii and *X. Axonopodis.phaseoli* on Leguminous Hosts and onion. *The American Phytopathological Society. Plant Disease* 89(6) 558-564.
- Gent, H. H., J.M. Lang, M. E. Bartolo dan H. F. Schwartz. 2005b. Inoculum Sources and Survival of *Xanthomonas axonopodis* pv.allii in Colorado. *The American Phytopathological Society. Plant Disease* 89(5) 507-514.
- Gent, D. H., H. F. Schwartz, C. A. Ishimaru, F. J. Louws, R. A. Cramer and C. B. Lawrence. 2004. Polyphasic characterization of *Xanthomonas* strain from onion. *Phytopathology* 94: 184-195.
- Gholami, A., S. Shahsavani and S. Nezarat. 2009. The effect of Plant Growth Promoting Rhizobacteria (PGPR) on germination, seedling growth and yield of maize. *International J. of Biological Life Sciences*. 1: 35-40.
- Glick, B.R. 2012. *Plant Growth-Promoting Bacteria: Mechanism and applications*. Hindawi Publishing Corporation scientific.
- Gnanamanickam, S. S. 2006. *Plant-Associated Bacteria*. Springer. The Netherlands. 1732p
- Gupta R. and K.G. Mukerji. 2002. Root exudate-biology. In *Techniques in mycorrhizal studies*. Kluwer Academic. Dordrecht. 103-131.
- Gutierrez-Manero F.G., B. Ramos, A. Probanza, J. Mehouchi, F.R. Tadeo and M. Talon, 2001. The plant growth promoting rhizobacteria *Bacillus pumilus* and *Bacillus licheniformis* produce high amounts of physiologically active gibberelins. *Physiology Plant* 111: 206-211.
- Habazar, T., F. Rivai, E. F. Husin, A. Bachtiar, D.P. Putra, Haliaturahma, Z. Resti, Winarto dan Febriani. 2000a. Aplikasi *Pseudomonas* yang befluoresensi pada abenih untuk pengendalian penyakit yang disebabkan oleh *xanthomonas campestris* pathovars.. makalah dalam prosiding seminar nasional pengelolaan sumberdaya alam untuk mencapai produktivitas optimum berkelanjutan. Bandar Lampung. 26-27 Juni 2001:75-82.

- Habazar, T., F. Rivai, A. Bachtiar, and Haliaturahma. 2000b. Study of induced systemic resistance of soybean to bacterial pustule by the root colonizing *fluorescens pseudomonad*. Paper presented in international symposium and Workshop” sustainable and options for networking Southeast Asia, 18-22 September. Bogor.
- Habazar, T., Nasrun, Jamsari dan Rusli. 2007. Pola penyebaran penyakit hawar daun bakteri (*Xanthomonas axonopodis* pv.*allii*) pada bawang merah dan upaya pengendaliannya melalui imunisasi menggunakan rizobakteri. Laporan hasil penelitian KKP3T. Universitas Andalas bekerjasama dengan sekretariat Badan Penelitian dan Pengembangan Pertanian.
- Habazar, T., Z. Resti, Y. Yanti, Sutoyo dan Imelda. 2015. Formulasi Bakteri endofit akar kedelai untuk pengendalian pustule bakteri. *Jurnal Fitopatologi Indonesia*. 11(2): 51-58.
- Hameeda, B., G. Harini, O.P. Ropela, S. P. Wani and G. Reddy. 2006. Growth promotion of maize by phosphate solubizing bacteria isolated from composts and macrofauna. *Microbiology Research* 163(2): 234-242.
- Hanudin, B. Marwoto, Hersanti dan A. Muharam. 2012. Kompatibilitas *B.subtilis*, *Pseudomonas fluoresecens* dan *Trichoderma harzianum* Untuk mengendalikan *Ralstonia solanacearum* pada Tanaman Kentang. *J. Hortikultura* .22 (2): 173-180.
- Hanudin, A.A. Nawangsih, B. Marwoto dan B. Tjahjon o. 2013. Komposisi formula biobakterisida berbahan aktif rizobakteri untuk pengendalian penyakit busuk lunak pada anggrek Phalenopsis. *J. Hortikultura* 23 (3): 244-254.
- Hass. D. and G. Defago. 2005. Biological control of soil borne pathogens by fluorescent pseudomonads. *Nature Review Microbiology* 3:307-319
- Hayat, R., S. Ali, U. Amara, R. Khalid and I. Ahmed. 2010. Soil beneficial bacteria and their role in plant growth promotion. *Ann. Microbiology*. DOI 10.1007/s13213-010-0117-1.
- Hirsch, A.M., W. D. Bauer, D. M. Bird, J. Cullimore, B. Tyler dan J. L. Yoder. 2003. Moleculer signals and receptors: controlling rhizosphere interactions between plants and other organisms. *Ecology* 84: 858-868.
- Humeau, L., P. Roumagnac, Y. Picard, I. R. Soustrade, F. chiroleu and L. Gagnevin. 2006. Quantitative and molecular epidemiology of bacterial blight of onion in seed production fields. *Phytopathology* 96:1345-1354.

- Idriss, E. E., O. Makarewicz, A. Farouk, K. Rosner, R. Greiner, H. Bochow, T. Richter, and R. Borris. 2002. Extracellular phytase activity of *Bacillus amyloliquefaciens* FZB45 contributes to its plant growth promoting effect. *Microbiology*. 148:2097-2109.
- Jakobi, M. 1996. Maltophilin : A new antifungal compound Produced by *Stenotrophomonas maltophilia* R3089. *J. Antibiotics* 49:1101-1104.
- Jetiyanon, K and J.W. Kloepper. 2002. Mixture of plant growth promoting rhizobacteria for induction of systemic resistance against multiple plant diseases for induction of systemic resistance plant diseases. *Biological Control*. 24: 285-291.
- Jeyarajan, R and S. Nakkeeran. 2000. Exploitation of microorganisms and viruses as biocontrol agents for crop disease management In : *Biocontrol and Biofertilization*. Springer. Netherland. 2005: 257-296.
- Kadota, I., K. Uehara, H. Shinohara and K. Nishiyama. 2000. Bacterial blight of Welsh onion. A new disease caused by *Xanthomonas campestris* pv. *allii*. *Journal of General Plant Pathology* 66: 310-315.
- Kai, M., U. Effmert, G. Berg and B. Piechulla. 2007. Volatiles of Bacterial antagonists inhibit. Mycelial growth of the plant pathogen *Rhizoctonia solani* Arch. *Microbiology* 187: 351-360.
- Karthikeyan, M., V. Jayakumar, K. Radhika, R. Bhaskaran, R. Velazhahan and D. Alice. 2005. Induction of resistance in host against the infection of leaf blight pathogen (*Alternaria palandui*) in onion (*Allium cepa* var. *aggregatum*).
- Khan, M. S. 2006. Screening of free-living rhizospheric bacteria for their multiple plant growth promoting activities 163:173-181.
- Klement, Z., K. Rudolph, D.C. Sand. 1990. *Methods in Phytobacteriology*. Budapest: Akademiai Kiado.
- Kloepper, J.W., C. M. Ryu and S. Zhang. 2004. Induced systemic resistance and promotion of plant growth by *Bacillus* spp. The American Phytopathology Society. *J. Phytopathology* 94(11): 1259-1266.
- Krause, M. S., T.J.J. DeCuester, S.M. Tiquia, F.C. Michel, L.V. Madden, and H.A.J. Hoitink. 2003. Isolation and characterization of rhizobacteria from composts that suppress the severity of bacterial leaf spot of radish. *Phytopathology* 93: 1292-1300.

- Krishnamurthy K. and S. S. Gnanamanickam. 1998. Biological control of rice by *Pseudomonas fluorescens* strain Pf7-14: Evaluation of a marker gene and formulations Biological control 13: 158-165.
- Kumar. A., A. Kumar, S. Devi, S. Patil, C. Payal and S. Negi. 2012. Isolation, Screening and Characterization of Bacteria from Rhizospheric Soils for Different Plant Growth Promotion (PGP) Activities : an in vitro study. Recent Research in Science and Technology 4(1): 01-05.
- Landa, B. B., J. A. Navas-cortes, A. Hervas and R. M. Jimenez-Diaz. 2001. Influence of temperature and inoculum density of *Fusarium oxysporum* f.sp. *ciceris* on suppressin of *Fusarium* wilt of chickpea by rhizosphere bacteri. Phytopathology 91: 807-816.
- Lang, J.M., D.H. Gent and H. F. Schwartz, 2007. Management of *Xanthomonas* leaf blight of onion with Bacteriophages and a plant activator. The American Phytopathological Society. Plant Disease 91:871-878.
- Lugtenberg, B. and F.Kamilova, 2009. Plant growth promoting rhizobacteria. Annual Rev. Microbiology. 63:541-556.
- Lwin, K.M., M. M. Han, M. Myint and Z. Khaing . 2008. Screening of Indole-3-Acetic Acid (IAA) Producing Plant Growth Promoting Rhizobacteria (*Pseudomonas* sp and *Azotobacter* sp.) and Study on the IAA Productivity of the Best IAA Producer Strain. GMSARN International Conference on Sustainable Development: Issues and Prospects for the GMS. 12-14 November.
- Lynch, J. M. 1990. The Rhizosphere. John Wiley and Sons Ltd Chichester. Edited by Lynch JM. 458p.
- Manoharachary, C. and K.G. Mukerji. 2006. Rhizosphere Biology- An Overview. In Soil Biology. Springer –Verlag Berlin Heidelberg. (7). 1-15p.
- Mehnaz, S., D. N. Baig, and G.Lazarovits. 2010. Genetic and phenotypic diversity of plant growth promoting rhizobacteria isolated from sugarcane in Pakistan. J. Microbiology Biotechnology 20: 1614-1632.
- Mehnaz, S., M. S. Mirza, J. haurat, R. Bally, P. Normand, A. Bano and K. A. MALik. 2001. Isolation and 16S rRNA sequence analysis of the beneficial bacteria from rhizosphere of rice. Canadian J. Microbiolgy 47: 110-117.
- Montesinos, E. 2003. Development, registration and commercialization of microbial pesticides for plant protection. Int. Microbiology 6:245-252.

- Minorsky P.V. 2008. On the inside. *Plant Physiology*. 146: 323-324.
- Mukerji, K. G., C. Manoharachary and J. Singh. 2006. MicrobiAl Activity in The Rhizosphere. Springer-Verlag Berlin Heidelberg. Germany. Vol 6. 345hal.
- Nakkeran, S., W. G. D. Fernando and Z.A. Siddiqui.2005. Plant growth promoting rhizobacteria formulations and its scope in commersializations for the management of pest and disease. In Z. A Siddqui edition. PGPR: Biocontrol and biofertilizations. Springer. Netherlands. 257-296.
- Nakkeeran, S., K. Kavitha, G. Chandrasekar, P. Renukadevi and W. G. D. Fernando . 2006. Induction of plant defense compound by *Pseudomonas chlororaphis* PA 23 and *Bacillus subtilis* BSCBE 4 in controlling damping off of hot pepper caused *Phytiun aphanidermatum*. *Biocontrol Science and Technology*. 16 (4): 403-406.
- Nandakumar, R., S. Babu, R.Viswanathan, J. Sheela, T. Raguchander and R. Samiyappan. 2001. A new bio-formulation containing plant growth promoting rhizobacterial mixture for the management of sheath blight and enhanced grain yield in rice. *Biocontrol*. 46: 493-510.
- Nasrun. 2005. Studi pengendalian hayati penyakit layu bakteri (*Ralstonia solanacearum*) nilam dengan *Pseudomonas fluorescens* [Disertasi] Yogyakarta. Pascasarjana Universitas Gajah Mada. 118 hal.
- Nelson, L.M. 2004. Plant Growth promoting rhizobacteria (PGPR): prospect for new inoculants. Online. *Crop management* doi: 10.1094/CM-2004-0301-05-RV.
- Niranjan Raj, S., H.S. Shetty and M.S. Reddy. 2005. Plant Growth Promoting Rhizobacteria :Potential Green Alternative for Plant Produvtivity. (dalam Z,A. Shiddique (ed) PDPR: Biocontrol and Biofertilization. Springer. Printed in the Netherlands p.197-216.
- Nunez,J.J., R.I., Gilbertson, X. Meng and R.M. Davis. 2002. First report of xanthomonas leaf blight of onion in California. *Plant Disease*. 86:330-333.
- Ownley, B.H., B. K. Duffy and D. M. Weller. 2003. Identification and manipulation of soil properties ti improve the biological control performance of phenazine-producing *Pseudomonas fluorescens*. *Appl. Environment Microbiology*. 69: 3333-3343.

- Patten, C. L. and B. R. Glick. 2002. Role of *Pseudomonas putida* indolacetic acid in development of the host plant root system. *Appl. Environment Microbiology*. 68; 3795-3801.
- Patten, C.L. and B.R. Glick.1996. Bacterial biosynthesis of indole-3-acetic acid. *Canadian J. Microbiology*. 42; 207-220.
- Paulraj, L. and L.W. O'Garro. 1993. Leaf blight of onion in Barbados caused by *xanthomonas campestris*. *Plant Disease*. 86. 330-335.
- Premono, E. 1998. Mikroba pelarut fosfat untuk mengefisienkan pupuk fosfor dan prospeknya di Indonesia. *Hayati*. Vol5 no 4: 89-94.
- Rai, G.K., R. Kumar, J. Singh, P.K. Rai and S.K. Rai. 2011. Peroxidase, polyphenol oxidase activity, protein profile and phenolic content in tomato cultivars tolerant and susceptible to *Fusarium oxysporum* f.sp.*lycopersici*. *Pakistan Journal Botany* 43 (6): 2987-2990.
- Raj, S. N., G. Chaluvvaraju, k. N. Amruthesh dan H. S. Shetty. 2003. Induction of growth promotion and reistance against downy mildew on pearl millet (*Pennisetum glaucum*) by rhizobacteria. *Plant Disease* 87:380-384.
- Ramamoorthy, V., T. Raguchander and R. Samiyappan. 2002. Enhancing risistance of tomato and hot pepper to phytium disease by seed treatment with fluorescent pseudomonads. *European J. of Plant Pathology*.108: 429-441.
- Ranganayaki, N., V. B. R. Kolluru, Tilax, S. Monaharachary and K. G. Mukerji.2006. Methods and technique for isolation, enumeration and characterization of rhizosphere microorganisms. In K. G. Mukerji, C. Manoharachary and J. Singh. Editor. *Microbial activity in the rhizosphere*. Springer-Verlag Berlin. Heidelberg. pp 17-34.
- Ratnayani, Ketut, I. Nengah Wirajana dan A. A. Laksmiwati. 2007. Analisis variasi nukleotida daerah D-loop DNA mitokondria pada suatu individu suku Bali normal. *FMIPA. Universitas Udayana Bukit Jimbaran*. 67 hal
- Resti, Z., T. Habazar, D.D. Putra dan Nasrun. 2013. Skrining identifikasi isolat bakteri endofit untukmengendalikan penyakit hawar daun bakteri pada bawang merah. *Jurnal Hama dan Penyakit Tropika*. 13(2): 167-178.
- Ribeiro de-valei, F. X., J E. Parlevliet and L. Zambolimi. 2001. Concepts in Plant in disease resistance. *Phytopathology Bras*. 26 (3): 577-589.

- Richardson, A. E. 2001. Prospect for using soil microorganisms to improve the acquisition of phosphorus by plants. *Australian J. Plant Physiology* 28:897-906.
- Robene, S.I., D. Legrand, A. Couteau, I. Humeau, M. Roux-Curvelier and P. Roumagnac. 2005. A nested PCR- multiplex to detect *Xanthomonas axonopodis* pv. *allii* in onion seeds. In 5 th ISTA-SHC Seed Health Symposium, International Seed Testing Association Angers, France.
- Roumagnac, P., L. Gagnevin, L. Gardan, L. Sutra, C. Manceau, E. R., Dickstein, J. B., Jones, P. Rott and O. Pruvost. 2004a. Polyphasic characterization of Xanthomonads isolated from onion, garlic and welsh onion (*Allium* spp) and their relatedness to different Xanthomonas species. *Int. J. Syst. Evol. Microbiology* 54:15-24.
- Roumagnac, P., O. Pruvost, F. Chiroleu and G. Hughes. 2004b. Spatial and temporal analysis of bacterial blight of onion caused by *Xanthomonas axonopodis* pv. *allii*. *Phytopathology* 94:138-146.
- Roumagnac, P., L. Gagnevin and O. Pruvost. 2000. Detection of *Xanthomonas* sp. The causal agent of onion bacterial leaf blight, in onion seeds using a newly developed semi-selective isolation medium. *European Journal of Plant Pathology* 106:867-877.
- Ryan, P.R. and E. Delhaize. 2001. Function and mechanism of organic anion exudation from plant roots. *Ann. Review. Plant Physiology Molecular Biology* 52:527-560.
- Silva, H.S.A., R. S. Romeiro, D. Michigan, B. A. Halford-vier, M. B. C. Peresira and Mounter. 2004. Rhizobacterium inductions of systemic resistance in tomato plants non-specific protection and increase in enzymes activities. *Biological Control* 29: 288-295.
- Saikia, R., R. Kumar, T. Singh, A.K. Srivastava, D. K. Arora, D.K. Gogoi and M. W. Lee. 2004. Induction of defense related enzymes and pathogenesis related protein in *Pseudomonas fluorescens*-treated chickpea in response to infection by *Fusarium oxysporum* f.sp. *ciceri*. *Microbiology* 32: 47-52
- Salerno, C.M and M.A. Sagardoy. 2003. Short Communication: antagonistic activity by *Bacillus subtilis* against *Xanthomonas campestris* pv. *glycinea* under controlled condition. *Spanish J. Agriculture* 1 (2) : 55-58.
- Samadi, B dan Cahyono. 1999. Intensifikasi Budidaya Bawang Merah. Kanisius. Yogyakarta. 74 hal.

- Sang, M. K., S. C. Chun and K.D. Kim. 2008. Biological control of phytophthora blight of pepper by antagonist rhizobacteria selected from a sequential screening procedure. *Biological control*. 46: 424-433.
- Saravanan, T., V.S. Madhaiyan, M.Thangaraju. 2007. Solubization of zinc compound by the diazotrophic, plant growth promoting bacterium *Gluconacetobacter diazotrophicus*. *Chemosphere* 66: 1794-1798.
- Saravanan, T., R. Bhaskaran and M. Muthusamy. 2004. *Pseudomonas fluorescens* induced enzymatological changes in banana roots again *Fusarium* wilt disease. *Plant Pathology*. 3(2):72-80.
- Schisler, D. A., P. J. Slininger, R. W. Behle and M. A. Jackson. 2004. Formulation of *Bacillus* spp. for biological control of plant disease. *Phytopathology*. 94 (11): 1267-1271.
- Schwartz H. F. And K. L. Otto. 2000. First report of a leaf blight on onion by *Xanthomonas campestris* in Colorado. *PlantDisease* 84: 922.
- Schwartz, H. F., and D. H. Gent. 2006. *Xanthomonas* leaf blight of onion <http://www.excolestate.edu/push/gorden.html> [diakses 22-02-2006].
- Schwartz, H. F., K. L. Otto and D. H. gent. 2003. Relation of temperature and rainfall to development of *xanthomonas* and *Pantoea* leaf blight of onion in Colorado. *Plant Disease*. 87: 11-14.
- Serfontein, J. J. 2001. *Xanthomonas* blight of onion in South Africa. *Plant Disease* 85: 442-447.
- Shen, S.S., F.Z. Piao, B.W. Lee and C.S. Park. 2007. Characterization of antibiotic substance produced by *Serratia plymuthica* A21-4 and the biological control activity against pepper phytophthora blight. *J. Plant Pathology* 23 (3): 180-186.
- Singh, G. and K.G. Mukerji. 2006. Root Exudates as Determinant of Rhizospheric Microbial Biodiversity. In *Soil Biology*. Springer-Verlag Berlin Heidelberg (7); 39-53.
- Spaepan, S. and J. Vanderleyden. 2011. Auxin and plant microb interactions. *Cold Spring Harb Perspect. Biology*. http://dx.doi.org/10.1101/csh_perspect.a001438.

- Sudakhar, P., S. K. Gangwar, B. Satpathi, P. K. Sahu, J. K. Ghosh and B. Saratchandra. 2000. Evaluation of some Nitrogen fixing bacteria for control of foliar diseases of mulberry (*Morus alba*). Indian Journal of sericulture 39: 9-11.
- Sutariati, G.A.K and A. Wahab. 2010. Isolasi dan uji kemampuan rizobakteri indigenous sebagai agensia pengendali hayati penyakit tanaman cabai. J. Hortikultura. Vol 20 (1):86-95.
- Tilak, K.V., B.R, N. Ranganayaki, K.K. Pal, A.K. Saxena, C.S. Nautiyal, S. Mittal A.K.Tripathi and B.N. Jothri. 2005. Diversity of plant growth and soil health supporting bacteria. Current Science 89 (1) 136-141.
- Trisno, J. 2010. Keanekaragaman virus dan peranan rizobakteri indigenous dari geografi berbeda dalam mempengaruhi perkembangan penyakit virus kuning keriting cabai. [Disertasi]. Padang. Pascasarja Universitas Andalas.
- Vallad, G. E. and R. M. Goodman. 2004. Systemic acquired reistance and induced sytemic resistance in conventional agriculture. Crop Science. 44: 1920-1934.
- Van-Loon, L.C., P.A.H.M. Bakker and C.M.J. Pieterse. 1998. Systemic resistance induced by rhizosphere bacteria. Annual Review of Phytopathology 36: 453-483.
- Van-Loon, L. C., P.A.H.M. Bakker and C.M.J. Pieterse. 2002. Prospect and chalenges for practical applicationof rhizobacteria mediated induced systemic resistance. In Induced resistance against insects and diseases IOB/wprs vol 25(6): 75-82.
- Van-Loon, L.C. and P.A.H.M Bakker. 2003. Signalling in Rhizobacteria-Plant Interactions. Ecological studies. Vol 168. Springer-Verlag Berlin Heidelberg. 297-330
- Vidhyasekaran, P. and M. Muthamilan. 1995. Development of formulation of *Pseudomonas fluorescens* for control of chickpea wilt. Plant Diseases. 79:782-786
- Wahyudi A.T., R. P. Astuti, A. Widyawati, A. A. Meryandini and A. A. Nawangsih. 2011. Characterization of *Bacillus* sp strain isolated from rhizosphere of soybean plants for their use as potential plant growth for promoting rhizobacteria. Journal of Microbiology and Antimicrobials 3(2)34-40

- Walters, D., D. Walsh, A. Newton dan G. Lyon. 2005. Induced Resistance for Plant Disease Control: Maximizing the Efficacy of Resistance Elicitors. *The American Phytopathology Society* vol. 95 no. 12 1368-1373.
- Whipps J.M. 2001. Microbial interactions and biocontrol in the rizosphere. *Journal of Experimental Biology*.52: 487-511.
- Williamson, K. E., M. Radosevich and K. E. Wommack. 2005. Abundance and diversity of viruses in six Delaware soil. *Applied Environment Microbiology*. 71: 3119-3125
- Yadav J., J. P. Verma and K. N. Tiwari. 2010. Effect of plant growth promoting rhizobacteria on seed germination and plant growth *Chicpea (Cicer arietinum L.)* under in vitro condition. *Biological forum. An International Journal* 2 (2): 15-18.
- Yanti, Y., F. F. Astuti, T. Habazar dan C. R. Nasution. 2017. Screening of rhizobacteria from rhizosphere of healthy chilli to control bacteria wilt disease and to promote growth and yield of chilli. *Biodiversitas* 18(1) Januari : 1-9
- Yedidia, I., M. Shores, Z. Kerem, N. Benhamou, Y. Kapulnik and I. Chet. 2003. Concomitant induction of systemic resistance to *Pseudomonas syringae* pv. *lachrymans* in cucumber by *Trichoderma asperellum* (T-203) and the accumulation of phytoalexins. *Applied and Environmental Microbiology*. 69: 7343-7353
- Zhang, S., A. L. Moyne, M.S. Reddy, and J.W. Kloepper. 2002. The role of salicylic acid in induced systemic resistance elicited by plant growth-promoting rhizobacteria against blue mold of tobacco. *Biological control* 25: 288-296.