DAFTAR PUSTAKA

Agrios, G.N. 1988. *Plant Pathology, 3rd. ed*. Academic Press, Inc.: New York. 803.

Aislabie J, Deslippe J.R .2013. *Soil microbes and their contribution to soil services*. In Dymond JR ed. Ecosystem services in New Zealand – conditions and trends. Manaaki Whenua Press, Lincoln, New Zealand.

Angel, E. C., F. D. Hernández, Y. M. O. Fuentes, G. G. Morales, F. C. Reyes, and F. M. T. Cauich. 2017. Endophytic Bacteria Controlling *Fusarium oxysporum* and *Rhizoctonia solani* In *Solanum tuberosum. European Journal of Physical and Agricultural Sciences.*5.1.

Antoun, H. 2012. Beneficial microorganisms for the sustainable use of phosphates in agriculture. *Procedia Eng*. 46:62-67.

Asea, P.E.A., Kucey, R.M.N., and J.W.B. Stewart. 1988. Inorganic phosphate solubilization by two Penicillium species in solution culture and soil. *Soil Biology and Biochemistry.* 20.4. 459-464.

Banik, S. and B.K. Dey. 1982. Available phosphate content of an alluvial soil is influenced by inoculation of some isolated phosphate-solubilizing microorganisms. *Plant Soil*. 69:353–64.

Bansal,M., and K.G., merkuji. 1996. Root Exudates in rhizhosphere biology, in: Concepts in Applied Microbiology and Biotecnology. Aditya Books. New Delhi

Beckman, C.H. and Roberts, E.M. (1995). On the nature and genetic basis for resistance and tolerance of fungal wilt diseases. *Advances in Botanical Research.* 21: 35-77.

Behera, B. C., H. Yadav, S. K. Singh, B. K. Sethi, R. R. Mishra, S. Kumari, and H. Thatoi. 2017. Alkaline phosphatase activity of a phosphate solubilizing *Alcaligenes faecalis*, isolated from Mangrove soil. *Biotechnology Research and Innovation.*

Beneduzi, A, Moreira F, Costa PB, Vargas LK, Lisboa B.B, Favreto, R., Baldani,

J.I and Passaglia L.M.P.2013. Diversity and plant growth promoting evaluation abilities of bacteria isolated from sugarcane cultivated in the South of Brazil. *Appl Soil Ecol* 63:94-104.

Berkhoff, H.A. and G. Riddle. 1984. Differentiation of Alcaligenes-Like Bacteria of Avian Origin and Comparison with Alcaligenes spp. Reference Strains. *Journal of Clinical Microbiology*. 19. 4

Bird, E. C. F. And Ongkosono, O. S. R. 1980. *Environmental changes on coasts of Indonesia*. United Nation University press,Tokyo.

Bisen, P.S. and Verma, K. 1996. *Handbook of Microbiology*. CBS publishers and distributors. New Delhi.

Bockus, W.W., Bowden, R.L., Hunger, R.M., Morrill, W.L., Murray, T.D., Smiley, R.W. 2007. Compendium of Wheat Diseases and Insects, 3rd Edition. *APS Press, St. Paul, MN.*

Bottomley, P. J., and S. P. Maggard. 1990. Determination of viability within serotypes of a soil population of Rhizobium leguminosarum bv. trifolii. *Appl.Environ. Microbiol*. 56:533–540.

Brenner, D.J., N.R. Krieg and J.T. Staley. 2005. *Bergey's Manual of Systematic Bacteriology Second Edition: Volume Two: The Proteobacteria.* Springer. USA.

Brink, B. 2010. Urease Test Protocol. *American Society for Microbiology*.

Brown, M.E.1974. Seed and root bacterization. Annu Rev Phytopatol.12:181–97.

Budiayanto, G. 2011. Teknologi Konservasi Lanskap Gumuk Pasir Pantai Parangtritis Bantul DIY. *Jurnal Lanskap Indonesia*. 3.2.

Cal, A.D., Pascual, S. and Melgarejo, P. 1997. Infectivity of chlamydospores vs. sujarwomicroconidia of *Fusarium oxysporum* f.sp. lycopersici on tomato. *Journal of Phytopathology.* 145: 231-239.

Canadian Biodiversity Information Facility (CBIF). 2015. *Fimbristylis*. On-Line: *http://www.cbif.gc.ca/acp/eng/itis/view;jsessionid=gGhbTG6Q20T9chz1QkQnQ6dVXQytmL8SwlTtF5yTcm4t0dJhVD06!1964095275?tsn=40107.* Diakses pada 23 Februari 2018 Pukul 03.31 WIB.

Cappuccino, J.G and C. Welsh. 2018. *Microbiology: A Laboratory Manual*.

Pearson. Harlow.

Chen,Y.P., Rekha, P.D., Arun, A.B., Shen, F.T., Lai, W.A., and C.C. Young. 2006. Phosphate Solubilizing Bacteria From Subtropical Soil And Their Tricalcium Phosphate Solubilizing Abilities. *Elsevier*.

Cindy, D.C.B., C.O. Sarde, V. Bert, E. Tarnaud and N. Cochet. 2012. A Standardized method for the sampling ofrhizosphere and rhizoplan soil bacteria associated to a herbaceous root system. *Ann Microbiol.*

Clark F.E.1949. Soil micro-organisms and plant roots communication: acyl homoserine lactone quorum sensing. Annu Rev Genet 35:439–468

Coats, V.C. and M.E. Rumpho. 2014. The rhizosphere microbiota of plant invaders: an overview of recent advances in the microbiomics of invasive plants. *Frontiers in Microbiology.*

Davison, J. 1988.Plant beneficial bacteria. *Nature Biotechnology* 6.3. 282-286.

Dimkpa, C., T. Weinand and Asch, F. 2009. Plant-rhizobacteria interactions alleviate abiotic stress conditions. *Plant Cell Environ* 32:1682-1694.

Duff, R. B., and D. M. Webley. 1959. 2-Ketogluconic acid as a natural chelator produced by soil bacteria. *Chemistry and industry*. 1376-1377.

Duponnois, R., Colombet, A., Hien, V., and J. Thioulouse. 2005. The mycorrhizal fungus *Glomus* intraradices and rock phosphate amendment influence plant growth and microbial activity in the rhizosphere of Acacia holosericea. *Soil Biol. Biochem.* 37.1460–1468.

Ehrlich, H. L. 1990. Mikrobiologische und biochemische Verfahrenstechnik. *Geomicrobiology.* 2nd ed. Weinheim. VCH Verlagsgesellschaft.

Fan, Z.Y., C.P. Miao, X.G. Qiao, Y.K. Zheng, H.H. Chen, Y.W. Chen, L.H. Xu, L.X. Zhao, and H.L. Guan. 2015. Diversity, distribution, and antagonistic activities of rhizobacteria of Panax notoginseng. Journal of Ginseng Research. *Elsevier*. 1-8

Fern, K. 2014. Useful Tropical Plants: *Fimbristylis cymosa*. Useful Tropical Plants Database. On-line: *http://tropical.theferns.info/viewtropical.php?id=Fimbristylis+cymosa.* Diakses pada 27 Februari 2018. Pukul 15.40 WIB.

Foldes, T., Banhegyi, I., Herpai, Z., Varga, L., and J. Szigeti. 2000. Isolation of Bacillus strains from the rhizosphere of cereals and in vitro screening for antagonism against phytopathogenic, food-borne pathogenic and spoilage micro organisms. *Journal of Applied Microbiology*. 89. 840-846

Francis, I., M. Holsters, and D. Vereecke. 2010. The gram-positive side of plant microbe interaction. *Environ. Microbial.*12:1–12.

Gamalero, E. and B. R. Glick. 2011. *Mechanisms used by plant growth-promoting bacteria*. In: Bacteria in Agrobiology: Plant Nutrient Management. (D. K. Maheshwari). 17-46. Springer, Berlin.

Gamalero, E., Fracchia, L., Cavaletto, M., Garbaye, J., Frey-Klett, P., Varese, G.C., and M.G. Martinotti. 2003. Characterization of functional trait sof two fluorescent pseudomonads isolated from basidiomes of ectomycorrhizal fungi. *Soil Biol. Biochem.* 35. 55–65.

Glick and R. Bernard. 1995. The enhancement of plant growth by free-living bacteria. *Canadian Journal of Microbiology.* 41.2. 109-117.

Goldstein, A.H. 1986. Bacterial solubilization of mineral phosphates: historical perspective and future prospects. *Am J Altern Agri*.1:51–7.

Goldstein, and Alan, H. 1995. Recent progress in understanding the molecular genetics and biochemistry of calcium phosphate solubilization by gram negative bacteria. *Biological Agriculture & Horticulture.* 12.2.185-193.

Gray, E.J. and D.L. Smith, 2005. Intracellular and extracellular PGPR: Commonalities and distinctions in the plant-bacterium signaling processes. Soil Biol. Biochem., 37: 395-412.

Grover, M, Ali S.K.Z, Sandhya, V, Rasul A and Venkateswarlu B. 2011. Role of microorganisms in adaptation of agriculture crops to abiotic stresses. *World J Microbiol Biotechnol* 27:1231-1240.

Gupta, M., Kiran, S., Gulati, A., Singh, B., Tewari, R. 2012. Isolation and identification of phosphate solubilizing bacteria able to enhance the growth and aloin-A biosynthesis of *Aloe barbadensis* Miller. *Microbiol Res.* 167:358-363.

Haile, M. G., Kalkuhl, M., & von Braun, J. 2016. Worldwide Acreage and Yield Response to International Price Change and Volatility: A Dynamic Panel Data Analysis for Wheat, Rice, Corn, and Soybeans. American Journal of Agricultural Economics, 98(1), 172-190.

Han, J., Xia, D., Li, L., Sun, L., Yang, and K., Zhang, L. 2009. Diversity of culturable bacteria isolated from root domains of moso bamboo (*Phyllostachys edulis*). *Microb Ecol* **58**, 367–73.

Hanafiah, K.A. 2005. Dasar-Dasar Ilmu Tanah. Raja grafindo Persada, Jakarta. Hal: 60-72

Hiltner, L.1904. Uber neuere erfahrungen und probleme auf dem gebiet der bodenbakteriologie und unter besonderer berucksichtigung der grundungung und brache. *Arb Dtsch Landwirtsch Ges.* 98, 59–78.

Hopkins, George, C., and A.L. Whiting. 1916. Soil bacteria and phosphates. *University of Illinois Agricultural Experiment Station.* 190.

Illmer. P and F. Schinner. 1992. Solubilization of inorganic phosphates by microorganisms isolated from forest soil. *Soil Biol Biochem*.24:389–395.

Ismail, M.A., Abdel-Hafez, S.I.I., Hussein, N.A., Abdel-Hameed, N.A. 2015. Contributions to the genus Fusarium in Egypt with dichotomous keys for identification of species. *TMKARPIŃSKI publisher*. Poland.

ITIS, 2017. *Capsicum annuum* L. online: *https://www.itis.gov/servlet/SingleRpt/SingleRpt?search_topic=TSN&search_value=40115#null*. Diakses pada 23 Februari 2018 Pukul 03.31 WIB.

Ivanova, R., Bojinova, D., K. Nedialkova. 2006. Rock phosphate solubilization by soil bacteria. *J Univ Chem Tech Metall.* **41**, 297–302.

Jones, C. and K. Olson-Rutz. 2016. *Plant Nutrition and Soil Fertility*. Montana State University.

Karimi, K., J. Amini, B. Harighi, and B. Bahramnejad. 2012. Evaluation of biocontrol potential of *Pseudomonas* and *Bacillus* spp. against Fusarium wilt of chickpea. *AJCS*. 6.4:695-703.

Khan, A. A., Jilani, G., Akhtar, M. S., Naqvi, S. M. S. and M. Rasheed. 2009. Phosphorus solubilizing bacteria: occurrence, mechanisms and their role in crop production. *J. Agric. Biol. Sci.* 1, 48-58.

Kloepper, J.W. 1994. Plant growth promoting bacteria (other systems). In: Okon J, editor. Azospirillum/Plant Association. Boca Raton, FL: CRC Press. pp. 137–54.

Kloepper J.W, Lifshitz, K, Zablotowicz, R.M.1989. Free-living bacterial inoculan for enhancing crop productivity.Trends Biotechnol 1989;7:39–43

Kloepper J.W., Schroth M.N., Miller T.D. 1980. Effects of rhizosphere colonization by plant growth promoting rhizobacteria on potato plant development and yield, Phytopathol. 70, 1078–1082.

Koyama, T. 1964. *The Cyperaceae of Micronesia*. The New York Botanical Garden. New York.

Kral, R. 2002. *Flora of North America North of Mexico*. Oxford University Press. New York. 121-131.

Lanyi, B. 1987. Classical and Rapid Xdentification Methods for Medically Important Bacteria. Ncitionul Institute of Hygiene, Budapest, Hungary. *Academic Press Limited.*

Lemanceau, P.1992. Effets bénéfiques de rhizobactéries sur les plantes: exemple des Pseudomonas spp fluorescents. A*gronomie.*12.6. 413-437.

Luster, J., and R. Finlay. 2006. *Handbook of Methods Used in Rhizosphere Research*. Swiss Federal Research Institute WSL. Birmensdorf.

MacWilliams, M.P. 2009. Indole Test Protocol. *American Society for Microbiology.*

Meziane, H., I. Van Der Sluis, L. C. Van Loon, M. Ho¨fte, and P. A. H. M. Bakker. 2005. Determinants of *Pseudomonas putida* WCS358 involved in inducing systemic resistance in plants. *Mol. Plant Pathol*. 6:177–185.

Maksimov, I.V., Abizgil'dina, R.R. and Pusenkova, L.I. 2011. Plant growth promoting rhizobacteria as alternative to chemical crop protectors from pathogens (Review). *Appl Biochem Microbiol* 47:333-345

Manoharachary, J., Mukerji, K.G., and C. Singh. 2006. Microbial Activity in the Rhizosphere. *Springer-Verlag Berlin Heidelberg Department of Botany*. University of Delhi. Delhi 110007.

Mardad, I., A. Serrano and A. Soukri. 2013. Solubilization of inorganic phosphate and production of organic acids by bacteria isolated from a Moroccan mineral phosphate deposit. *African Journal of Microbiology Research*. 7.8: 626-635.

Maurya, M. K., R. Singh and A. Tomer. 2014. In vitro evaluation of antagonistic activity of *Pseudomonas fluorescens* against fungal pathogen. *JBiopest* 7.1.:43-46.

Neeraja, C., Anil, K, Purushotham P, Suma K, Sarma P, Moerschbacher BM and Podile A.R. 2010. Biotechnological approaches to develop bacterial chitinases as a bioshield against fungal diseases of plants. *Crit Rev Biotechnol* 30:231-241.

Nuryati, L. and Noviati. 2015. *Utlook Cabai*. Pusat Data dan Sistem Informasi Pertanian Sekretariat Jenderal Kementerian Pertanian. Jakarta.

Park, J. H., Bolan, N., Megharaj, M. and R. Naidu. 2011. Isolation of phosphate solubilizing bacteria and their potential for lead immobilization in soil. *J. Hazard. Mater.* 185 (2-3). 829-836.

Paul, D., and S. N. Sinha. 2017. Isolation and characterization of phosphate solubilizing bacterium *Pseudomonas aeruginosa* KUPSB12 with antibacterial potential from river Ganga, India. *Annals of Agrarian Science*.15:130-136.

Pérez, E., Sulbarán, M., Ball, M.M., and Yarzábal, L.A. 2007. Isolation and characterization of mineral phosphate-solubilizing bacteria naturally colonizing a limonitic crust in the south eastern Venezuelan region. *Soil Biol Biochem.* 39:2905-2914

Perveen, K. and N.A. Bokhari. 2012. Antagonistic activity of Trichoderma harzianum and Trichoderma viride isolated from soil of date palm field against Fusarium oxysporum. *Academic Journals*. 6(13). 3348-3353.

Pikovskaya, R.I. 1948. *Microbiologia*. 17: 362-370 .

Pırlak, Lütfi, and M. Köse. 2009. Effects of plant growth promoting rhizobacteria on yield and some fruit properties of strawberry. *Journal of plant nutrition*. 32.7. 1173-1184.

Powo. 2018. Capsicum annuum L. On-line: http://powo.science.kew.

org/taxon/urn:lsid:ipni.org:names:316944-2#source-KSP Diakses pada 15 oktober 2018 Pukul 02.40 WIB

Rafique, K., C.A. Rauf, F. Naz, and G. Shabbir. 2015. DNA sequence analysis, morphology and pathogenicity of *Fusarium oxysporum* f. sp. *lentis* isolates inciting lentil wilt in Pakistan. *Int. J. Biosci.*7, 6. 74-91

Raghu, K. And I.C. MacRae. 1966. Occurrence of phosphate-dissolving microorganisms in the rhizosphere of rice plants and in submerged soils. J *Appl Bacteriol.* 29:582–586.

Rajput, M. S., Naresh Kumar, G. and Rajkumar, S. 2013. Repression of oxalic acid mediated mineral phosphate solubilization in rhizospheric isolates of Klebsiella pneumoniae by succinate. *Arch Microbiol*. 195. 81–88.

Rashid, M., Samina, K., Najma, A., Sadia, A., and Farooq, L. 2004. Organic acids production and phosphate solubilization by phosphate solubilizing microorganisms under in vitro conditions. *Pakistan J Biol Sci* **7**. 187–96.

Raymond, K.N., Dertz, E.A., Kim, S.S., 2003. Enterobactin: an archetype for microbial iron transport. *Proc. Natl. Acad. Sci*., 100, 3584–3588.

Rfaki, A., L. Nassiri and J. Ibijbijen. 2015. Isolation and Characterization of Phosphate Solubilizing Bacteria from the Rhizosphere of Faba Bean (*Vicia faba* L.) in Meknes Region, Morocco. *British Microbiology Research Journal*. 6(5): 247-254.

Ribeiro, C.M. and Cardoso, E.J.B.N. 2012. Isolation, selection and characterization of rootassociated growth promoting bacteria in Brazil pine (*Araucaria angustifolia*). *Microbiol Res.*167:69-78.

Rodríguez, H., and Fraga, R. 1999. Phosphate solubilizing bacteria and their role in plant growth promotion. *Biotechnol Adv*. 17:319-339.

Rosen, D. 2015. Fimbristylis cymosa (tropical fimbry). Department of Biology, Lee College. On-line: *https://www.cabi.org/isc/datasheet/120575*. Diakses pada 27 Februari 2018, Pukul 15.20 WIB.

Royse, D.J and M. Ries. 1978. The Influence of Fungi Isolated from Peach Twigs on the Pathogenicity of Cytospora cincta. *Ecology and Epidemiology*.

Rudolfs and Willem. 1922. Influence Of Sulfur Oxidation Upon Growth Of Soy Beans And Its Effect On Bacterial Flora Of Soil. *Soil Science.* 14.4. 247-264.

Sahi, I.Y, and A.N. Khalid. 2007. In vitro biological control of *Fusarium oxysporum* causing wilt in *Capsicum annuum*. *Mycopath.* 5(2): 85-88.

Salih, H. M. 1989. Availability of phosphorus in a calcareous soil treated with rock phosphate or superphosphate as affected by phosphate-dissolving fungi. *Plant and Soil*. 120.2. 181-185.

Saremi H, Okhovvat S, Ashrafi S. 2011. Fusarium diseases as the main soil borne fungal pathogen on plants and their control management with soil solarization in Iran. *African Journal of Biotechnology* 10: 18391-18398

Shahid, M., S. Hameed, M. Tariq, M. Zafar, A. Ali, and N. Ahmad. 2014. Characterization of mineral phosphate-solubilizing bacteria for enhanced sunflower growth and yield-attributing traits. *Annals of Microbiology*.

Sharma, S.B., Sayyed, R.Z., Trivedi, M.H., and T.A. Gobi .2013.Phosphate solubilizing microbes: sustainable approach for managing phosphorus deficiency in agricultural soils. *SpringerPlus.*

Simpson, D.A. and Inglis, C.A. 2001. *Cyperaceae of Economic, Ethnobotanical and Horticultural Importance: A Checklist*. The Royal Botanic Gardens. London. 257 – 360

Simpson, M.G. 2006. *Plant Systematics.* Elsevier Academic Press. USA.

Singh, J.K. 2016. Pathogenic Variability and Management of Fusarium wilt of Chilli (*Capsicum annuum* L.). *College Of Agriculture CCS Haryana Agricultural University Hisar*.

Singh, S. and Kapoor, K.K.1994. Solubilization of insoluble phosphates by bacteria isolated from different sources. *Environ Ecol*, vol. 12, pp. 51–55.

Skaar, E.P. 2010. The battle for iron between bacterial pathogens and their vertebrate hosts. *PLoS Pathog*., 6.

Sofyan, A. 2003.*Penggunaan lapisan Kedap Dari Berbagai Macam Bahan Untuk Peningkatan Produksi Bawang Merah Pada Lahan Gumuk Pasir Pantai*. Tesis, PS Ilmu Tanah, Program Pasca Sarjana Universitas Gadjah Mada,Yogyakarta.

Sperber, and Joan, I. 1958. The incidence of apatite-solubilizing organisms in the rhizosphere and soil. *Crop and Pasture Science.* 9.6. 778-781.

Steel, K.J. 1961. The Oxidase Reaction as a Taxonomic Tool. *National Collection of Type Cultures, L o n h N . W.* 9.

Stover, R.H. 1970. Banana root diseases caused by *Fusarium oxysporum* f.sp. cubense, *Pseudomonas solanacearum* and *Radopholus similis*: A comparative study of life cycles in relation to control. In: Root diseases and soil-borne pathogens, (Eds. Toussoun, T.A.,Bega, R.V. and Nelson, P.E.). *Berkeley:University California Press.* 197-200.

Subha Rao N.S.1982. Advances in Agricultural Microbiology, in: Subha Rao N.S. (Ed.), *Oxford and IBH Publ*. Co., pp. 229–305

Sujarwo. 1984.*Studi Morfometri Tipe Bukit Pasir di Parangtritis*. Skripsi, Fakultas Geografi Universitas Gadjah Mada, Yogyakarta.

Suslow, T.V. 1982. *Role of root-colonizing bacteria in plant growth, in Mount M.S. and Lacy G.H. (Eds.) Phytopathogenic prokaryotes*. Académie Press. New York. **1**:187-222.

Taylor, W.I. and D. Achanzar. 1972. Catalase Test as an Aid to the Identification of Enterobacteriaceae. *American Society for Microbiology.*

Thomas, G.V., Shantaram, M.V., and N. Saraswathy. 1985. Occurrence and activity of phosphate-solubilizing fungi from coconut plantation soils. *Plant and Soil*. 87.3. 357-364.

Ullah, I., Khan, A.R., Park, G.S., Lim, J.H., Waqas, M., Lee, I.J., and Shin, J.H. 2013. Analysis of phytohormones and phosphate solubilization in *Photorhabdus* spp. *Food Sci Biotechnol.*22:25-31.

Valdebenito, M. A. L. Crumbliss, G. Winkelmann and K. Hantke. 2006 Environmental factors influence the production of enterobactin, salmochelin, aerobactin, and yersiniabactin in Escherichia coli strain Nissle 1917. *International Journal of Medical Microbiology* 296 (2006) 513–520

Vazquez, P., Holguin, G., Puente, M. E., Lopez-Cortes, A. and Y. Bashan. 2000. Phosphate solubilizing microorganisms associated with the rhizosphere of mangroves in a semiarid coastal lagoon. *Biology and Fertility of Soils*. 30 (5-6), 460-468.

Whitten, T. R. E., Soeriatmodjo, S. A., And Afiff. 1997. *Ecology of Java and Bali*. The Ecology Indonesia Series Volume II, Oxford University Press, Singapore.

Wilson, C., Brigmon, R.L., Knox, A., Seaman, J., and G. Smith. 2006. Effects of microbial and phosphate amendments on the bioavailability of lead (Pb) in shooting range soil. *Bull. Environ. Contam. Toxicol*. 76. 392–399.

Winkelmann, G. 2007 Ecology of siderophores with special reference to the fungi. *Biometals* 20: 379-392.

Zaidi, A., Khan, M.S., Ahemad, M., and M. Oves. 2009. Plant Growth Promotion By Phosphate Solubilizing Bacteria. *Acta Microbiol. Immunol. Hung.* 5 6.263–284.