

DAFTAR REFERENSI

- Atlas, R.M., & Bartha R. 1994. *Microbial ecology: Fundamentals and applications*. Fourth edition, Benjamin Cummings, Addison Wesley Longman.
- Aviolita, A.P.P., Martosudiro M., & Hadiastono T. 2013. Pengaruh *Plant Growth Promoting Rhizobacteria* (PGPR) terhadap Infeksi *Soybean Mosaic Virus* (SMV), Pertumbuhan dan Produksi pada Tanaman Kedelai (*Glycine max* (L.) Merr.) varietas Wilis. *Jurnal HPT*, 1(3), pp.1-10.
- Bar, T. & Okon Y. 1993. Tryptophan Conversion to Indole-3-Acetic Acid Via Indole-3-Acetamide in *Azospirillum brasilense* Sp7. *Canadian Journal of Microbiology*, 39, pp.81-86.
- Barrow, G.I. & Feltham R.K.A. 1993. *Cowan and Steels Manual of the Identification of Medical Bacteria*. 3rd Ed. Cambridge: Cambridge University Press.
- Bilalodin, Sunardi, & Muhtar E. 2013. Analisis Kandungan Senyawa Kimia dan Uji Magnetik Pasir Besi Pantai Ambal. *Jurnal Fisika Indonesia*, 50(17), pp.29-31.
- Bloemberg, G.V. & Lugtenberg B.J.J. 2001. Molecular Basis of Plant Growth Promotion and Biocontrol by Rhizobacteria. *Curr. Opinion. Plant. Biol*, 4, pp.343-350.
- Bowen, G. D. & Rovira A. D. 1999. The Rhizosphere and Its Management to Improve Plant Growth. *Adv. Agron.*, 6(6), pp.1-102.
- Burdman, S., Okon Y., & Jurkevitch E. 2000. Surface characteristics of *Azospirillum brasilense* in relation to cell aggregation and attachment to plant roots. *Critical Reviews in Microbiology*. 26(2), pp.91-110.
- Caceres, E.A.R. 1982. Improve Media for Isolation of *Azospirillum* spp.. *Aplied Environmental Microbiology*, 44(4), pp.990-991.
- Cahyono, I. 2008. *Tomat: Usaha Tani dan Penganganan Pasca Panen*. Yogyakarta: Kanisius.
- Cattelan, A.J., Hartel P.G., & Fuhrman J.J. 1999. Screening for Plant Growth Promoting Rhizobacteria to Promote Early Soybean Growth. *Soil Sci. Soc. Am. J*, 6(3), pp.1670-1680.
- Comai, L. & Kosuge T. 1982. Cloning Characterization of *iaaM*, a Virulence Determinant of *Pseudomonas savastanoi*. *Journal of Bacteriology*, 149, pp.40-46.
- Costacurta, A. & Vanderleyden J. 1995. Synthesis of Phytohormones by Plantassociated Bacteria. *Critical Reviews in Microbiology*, 21, pp.1-18.

- Dahono, M. 2006. Pengaruh inokulasi isolat *Azospirillum* terhadap fase vegetatif tiga varietas tanaman padi (*Oryza sativa* L.). Tesis. Malang: Jurusan Agronomi Universitas Muhammadiyah Malang.
- Del Gallo, M. & Fendrik I. 1994. The Rhizosphere and *Azospirillum*. In: Y. Okon, eds. *Azospirillum Plant Associations*. CRC Press. Inc. Boca Raton, pp.57-78.
- Dobereiner, J. & Day J.M. 1976. Associative Symbioses in Tropical Grasses: Characterization of Microorganisms and Dinitrogen-fixing Sites. In: Newton, W.E. & Nyman, C.J., eds. *Proceedings of the 1st International Symposium on N₂ Fixation*. Pullman: Washington State University Press. pp.518-538.
- Dubrovsky, J.G., Puente M.E., & Bashan Y. 1994. *Arabidopsis thaliana* as a Model System for The Study of The Effect of Inoculation by *Azospirillum brasilense* sp. 245 on Root Hair Growth. *Soil Biol. Biochem.*, 26, pp.1657-1664.
- Fernando, W.G.D., Nakkeeran S., & Zhang Y. 2006. Biosynthesis of Antibiotics by PGPR and its Relation in Biocontrol of Plant Diseases. In: Z.A. Siddiqui, eds. *PGPR: Biocontrol and Biofertilization*. Netherlands: Springer. pp.67-109.
- Gallori, E. & Bazzicalupo M. 1985. Effect of Nitrogen Compounds on Nitrogenase Activity in *Azospirillum brasilense*. *FEMS Microbiol. Lett*, 28, pp.35-38.
- Gamo, T. 1991. *Azospirillum* spp. from Crop Roots a Promoter of Plant Growth. *Jarqh*, 24(4), pp.253-259.
- Gaur, A.C. 1981. *Phospo-microorganism and Varians Transformation in Compost Technology*. Project Field Document. Roma, Italy: FAO. 13, pp.106-111.
- Glick, B.R. 1995. The Enhancement of Plant Growth by Free-Living Bacteria. *Can. J. Microbiol*, 4, pp.109-117.
- Hastuti, R.D. & Gunarto L. 1993. *Interaksi Pemberian N dan Inokulasi Azospirillum Terhadap Pertumbuhan Tanaman Jagung*. Bogor: Risalah Hasil Penelitian Tanaman Pangan Balai Penelitian Tanaman Pangan. 3, pp.16-19.
- Hindersah, R., Setiawati M.R., & Fitriatin B.N. 2002. Penentuan Sumber Karbon dan Nitrogen untuk Meningkatkan Kualitas Inokulan *Azotobacter* sebagai Pupuk Biologis pada Pembibitan Tomat. *Laporan Penelitian*. Bandung: Lembaga Penelitian Universitas Padjajaran.
- Hindersah, R. & Simarmata T. 2004. Potensi Rhizobacter *Azotobacter* dalam Meningkatkan Kesehatan Tanah. *Jurnal Natur Indonesia*, 5(2), pp.127-133.
- Irayani, Z. & Bilalodin. 2007. Analisis Kandungan Mineral Berpotensi Tinggi pada Pasir Galian di Wilayah Kabupaten Banyumas. *Molekul*, 2(2), pp.88-91.
- Katupitya, S. & Vlassak K. 1990. Colonization of Wheat Roots by *Azospirillum brasilense*. In: *Organic recycling in Asia and the Pacific*. Rapa Bulletin. pp.68.

- Kefalogianni, I. & Anggelis G. 2002. Modelling Growth and Biochemical Activities of *Azospirillum* spp. *Appl. Microbiol. Biotechnol*, 58, pp.352-357.
- Kennedy, A.C. & Papendick R.I. 1995. Microbial Characteristics of Soil Quality. *Journal Soil Water Conservation*, 50, pp.243-248.
- Lal, L. 2002. *Phosphate biofertilizers*. Udaipur, India: Agrotech Publ. Academy.
- Lestari, P., Susilowati D.N., & Riyanti E.I. 2007. Pengaruh Hormon Asam Indol Asetat yang Dihasilkan oleh *Azospirillum* sp. terhadap Perkembangan Akar Pai. *Jurnal Agro Biogen*, 3(2), pp.66-71.
- Leveau, J.H. & Lindouw S. E. 2004. Utilization of Plant Hormone Indole-3-Acetic Acid for Growth by *Pseudomonas putida* strain 1290. *American Society For Microbiology*, 1(5), pp.2365-2370.
- Lucyanie, D. 2009. Pengaruh Penambahan Bahan Organik yang Mengandung Triptofan (TRP) terhadap Produksi Asam Indol Asetat (AIA) oleh *Azospirillum* spp. Strain Lokal. *Skripsi*. Bandung: ITB.
- Manivannan, M., Ganesh P., Suresh K., Tharmaraj K., & Shiney R.B. 2012. Isolation, Screening, Characterization, and Antagonism Assay of PGPR Isolated from Rhizosphere of Rice Plants in Cuddalore District. *International Journal of Pharmaceutical & Biological Archives*, 3(1), pp.179-185.
- Manulis, S., Shafrir H., Epstein E., Lichter A., & Barash I. 1994. Biosynthesis of Indole-3-Acetic Acid via the Indole-3-Acetamide Pathway in *Streptomyces* spp. *Microbiology*, 140, pp.1045-1050.
- Obaton, M. 1977. *In Biological Nitrogen Fixation in Farming System of The Tropics*. London: Ayanaba and Dart, Eds. Willey.
- Oedjijono, Endang S.S., Sukarti M., & Heru A.D. 2014. Promosing Plant Growth Promoting Rhizobacteria of *Azospirillum* spp. Isolated from Iron Sand Soils, Purworejo Coast, Central Java, Indonesia. *Pelagia research Library*, 5(3), pp.302-308.
- Oedjijono, Lestanto U.W., Erie K.N., & Bondansari. 2012. Pengaruh *Azospirillum* spp. Terhadap Pertumbuhan Tanaman Jagung (*Zea mays* L.) dan Kemampuan Beberapa Isolat dalam Menghasilkan IAA. *Prosiding Seminar Nasional*, pp.156-163.
- Okon, Y., Fallik E., Sarig S., Yahalom E., & Tal S. 1988. Plant Growth Promoting Effects of *Azospirillum*. In: Bothe, de Bruijn and Newton, eds. *Nitrogen Fixation: Hundred Years after Gustav Fischer*. Stuttgart. pp.741-746.
- Okon, Y. & Kapulnik Y. 1986. Development and Function of *Azospirillum* Inoculated Roots. *Plant Soil*, 90, pp.3-16.

- Olson, R.A. & Kurtz L.T. 1982. Crop Nitrogen Requirement, Utilization, and Fertilization. In: F.J. Stevenson, eds. *Nitrogen in Agricultural soils*. ASA, CSSA, SSSA, Madison, WI. pp.576-604.
- Patten, C.L. & Glick B.R. 2002. Role of *Pseudomonas putida* Indole Acetic Acid in Development of the Host Plant Root System. *Appl. Environ. Microbiol*, 68, pp.3795-3801.
- Permatasari, A.D. & Tutik N. 2014. Pengaruh Inokulan Bakteri Penambat Nitrogen, Bakteri Pelarut Fosfat dan Mikoriza Asal Desa Condro, Lumajang, Jawa Timur terhadap Pertumbuhan Tanaman Cabai Rawit. *Jurnal Sains & Seni Pomits*, 3(2).
- Priambodo, A. 2003. Kajian Laboratorium Pengaruh Penggunaan Pasir Besi sebagai Agregat Halus pada Campuran Aspal Panas HRA (*Hot Rolled Asphalt*) terhadap Sifat Marshall dan Durabilitas. *Thesis*. Semarang: Universitas Diponegoro.
- Purwati, E. dan Khairunisa, 2007, *Budi Daya Tomat Dataran Rendah*. Depok: Penebar Swadaya.
- Rao, N.S. 1994. *Mikroorganisme Tanah dan Pertumbuhan Tanaman*. Edisi kedua. Jakarta: Penerbit Universitas Indonesia.
- Sagala, A. 2009. *Respon Pertumbuhan dan Produksi Tomat (Solanum lycopersicum, Mill.) dengan Pemberian Unsur Hara Makro-Mikro dan Blotong*. Medan: Universitas Sumatra Barat.
- Salim, M.A. & Kusdianti. 2009. Respon Semai Jati Terhadap Inokulasi Ganda Fungi Mikoriza Arbuskula dan *Azospirillum* sp.. *Biosainstifika*, pp.188-196.
- Sekine, M., Watabane K., & Syono K. 1989. Molecular Cloning of a Gene for Indole-3-Acetamide Hydrolase from *Bradyrhizobium japonicum*. *Journal of Bacteriology*, 171, pp.1718-1724.
- Simanungkalit, R.D.M., Didi, A.S., Rasti, S., Diah, S., & Wiwik, H. 2006. *Pupuk Organik dan Pupuk Hayati*. Balai Besar Penelitian dan Pengembangan Sumberdaya Lahan Pertanian, Jawa Barat.
- Sinaga, P.H., Baihaki A., Setiamihardja R., & Suprihatno B. 2003. Penyaringan Genotip Jagung yang dapat Berasosiasi dengan Bakteri *Azospirillum* sp.. *Zuriat*, 14(2), pp.28-38.
- Spaepen, S., Vanderleyden J., & Remans, R. 2007. Indole-3-Acetic Acid in Microbial and Microorganism-Plant Signaling. *FEMS Microbiology Reviews*, 10, pp.1-24.
- Suliasih, S., Widawati, A. & Muharam. 2010. Aplikasi Pupuk Organik dan Bakteri Pelarut Fosfat untuk Meningkatkan Pertumbuhan dan Produktivitas Tanaman Tomat dan Aktivitas Mikroba Tanah. *J. Hort.*, 20(3), pp.241-246.

- Tarabily, K., Nassar A.H., & Sivasithamparam K. 2003. Promotion of Plant Growth by an Auxin. *University Research Conference*, pp.60-69.
- Tatiek, H. 1991. Bakteri Pelarut Fosfat Asal Beberapa Jenis Tanah dan Efeknya terhadap Pertumbuhan dan Hasil Jagung (*Zea mays* L.). *Disertasi*. Bandung: Universitas Padjajaran.
- Tien, T.M., Gaskins H., & Hubbell D.H. 1979. Plant Growth Substances Produced by *Azospirillum brasilense* and Their Effect on the Growth of Pearl Millet (*Pennisetum americanum* L). *Appl. Environ. Microbiol*, 37, pp.1016-1024.
- Tilak, K.V.B.R., Pal K.K., & Dey R. 2010. Microbes for Sustainable Agriculture. I.K. *International Publishing House Pvt. Ltd.*, New Delhi, India.
- Volk, W.A. & Wheeler M.F. 1988. *Mikrobiologi Dasar Vol.1*. Jakarta: Erlangga.
- Waters, T.K., Hughes I.I., Purecell L.C., Gerhardt K.O., Mowhinney K.O., & Emerich D.W. 1998. Alanine, not Amonia, is Excreted from N₂-Fixing Soybean Nodule Bacteroids. USA: *Proc. Natl. Acad. Sci.*, 95, pp.12038-12042.
- Widawati, S. 2011. The Role of Phosphate Solubilizing Bacteria and Freelifving Nitrogen Fixing Bacteria on the Growth and Adaptation of *Gmelina arborea* Roxb. Grown on Degraded Land. *Journal Environmental and Engineering*, 7(1), pp.89-95.
- Widawati, S., & Muharam A. 2012. Uji Laboratorium *Azospirillum* sp. yang Diisolasi dari Beberapa Ekosistem. *Journal Hortikultur*, 22(3), pp.258-267.