DAFTAR PUSTAKA

Ahemad, Munees and M.Kibret. 2014. Mechanisms and applications of plant growth promoting rhizobacteria: Current perspective. Journal of King Saud University Science 26 : 1–20.

Ahemad, Munees and Md. Saghir Khan. 2011. Toxicological effects of selective herbicides on plant growth promoting activities of phosphate solubilizing *Klebsiella* sp. strain PS19. Curr Microbiol 62:532–538.

Alam, Sadia, S.Khalil, N.Ayub and M.Rashid. 2002. In vitro solubilization of inorganic phosphate by phosphate solubilizing microorganisms (PSM) from maize rhizosphere. Int. J. Agri. Biol., Vol. 4, No. 4:454-458.

Bal, H.Bhusan, S. Das, T.K.Dangar and T.K.Adhya. 2013. ACC deaminase and IAA producing growth promoting bacteria from the rhizosphere soil of tropical rice plants. J. Basic Microbiol. 00: 1–13.

Bashan, Y. and Holguin, G. 1996. A proposal for the division of plant growthpromoting rhizobacteria into two classifications: biocontrol-PGPB and PGPB Submitted to Soil Biol. Biochem.

Brandl, M., E.M. Clark, and S.E. Lindow. 1996. Characterization of the indolea-acetic acid (IAA) biosynthetic pathway in an epiphytic strain of *Erwinia herbicola* and IAA production in vitro. Can. J. Microbiol. 42: 586-592.

Brisse, Sylvain, V.Passet, and P.A.D.Grimont. 2014. Description of *Klebsiella quasipneumoniae* sp. nov., isolated from human infections, with two subspecies, *Klebsiella quasipneumoniae* subsp. *quasipneumoniae* subsp. nov. and *Klebsiella quasipneumoniae* subsp. *similipneumoniae* subsp. nov., and demonstration that *Klebsiella singaporensis* is a junior heterotypic synonym of *Klebsiella variicola*. International Journal of Systematic and Evolutionary Microbiology 64: 3146–3152.

Chen, Mingyue, Y.Li, S.Li, L.Tang, J.Zheng and Q.An. 2016. Genomic identification of nitrogen-fixing *Klebsiella variicola, K. pneumoniae* and *K. quasipneumoniae*. J. Basic Microbiol., 56: 78–84.

Chung H, Park M, Madhaiyan M, Seshadri S, Song J, Cho H, Sa T. 2005. Isolation and characterization of phosphate solubilizing bacteria from the rhizosphere of crop plants of Korea. Soil Biol Biochem 37:1970–1974.

Compant, Stéphane, C.Clément, A.Sessitsch. 2010. Plant growth-promoting bacteria in the rhizo- and endosphere of plants: Their role, colonization, mechanisms involved and prospects for utilization. Soil Biology & Biochemistry 42 : 669-678.

Dilworth MJ. 1974. Dinitrogen fixation. Annu Rev Plant Physiol 25:81–114.

R. A. Dixon, M. Buck, M. Drummond, T. Hawkes, H. Khan, S. Macfarlane, M. Merrick and J.R.Postgate. 1986. Regulation of the nitrogen fixation genes in *Klebsiella pneumoniae*: Implications for genetic manipulation. Plant and Soil 90 : 225-233.

Dorr, Juliane, T.Hurek and B.R.Hurek. 1998. Type IV pili are involved in plant–microbe and fungus–microbe interactions. Molecular Microbiology 30(1) : 7–17.

Glick, B.R. 1995. The enhancement of plant growth by free-living bacteria. Can. J. Microbiol. 41:109-117.

Glick, B.R., C.L. Patten, G. Holguin, G.M. Penrose. 1999. Biochemical and genetic mechanisms used by plant growth promoting bacteria. Imperial College Press, London.

Glick, B.R., 2012. Plant growth-promoting bacteria: mechanisms and applications. Hindawi Publishing Corporation, Scientifica.

Hardoim, Pablo R., L.S.vanOverbeek, and J.D.vanElsas. 2008 . Properties of bacterial endophytes and their proposed role in plant growth. Trends Microbiol. 16 : 463–471.

Hayat, Rifat, S.Ali, U.Amara, R.Khalid and I.Ahmed. 2010. Soil beneficial bacteria and their role in plant growth promotion: a review. Ann Microbiol 60:579–598.

Hazen, Tracy H., L.C.Zhao, J. W. Sahl, G.Robinson, A. D. Harris, D. A. Rasko, J. K.Johnson. 2014. Characterization of *Klebsiella* sp. strain 10982, a colonizer of humans that contains novel antibiotic resistance alleles and exhibits genetic similarities to plant and clinical klebsiella isolates. Antimicrobial Agents and Chemotherapy Volume 58 Number 4 : 1879–1888.

Igual JM, Valverde A, Cervantes E, Velázquez E. 2001. Phosphate solubilizing bacteria as inoculants for agriculture: use of updated molecular techniques in their study. Agronomie 21:561–568.

Islam, Md. Tofazzal, A.Deora, Y.Hashidoko, A.Rahmana, T. Ito, and S.Tahara. 2007. Isolation and Identification of Potential Phosphate Solubilizing Bacteria from the Rhizoplane of Oryza sativa L. cv. BR29 of Bangladesh. Phosphate Solubilizing Soil Bacteria.

Ji, S.Hye, M.A.Gururani, S.Chun. 2014. Isolation and characterization of plant growth promoting endophytic diazotrophic bacteria from Korean rice cultivars. Microbiological Research 169 : 83–98.

John W. Peters, Karl Fisher, and Dennis R. Dean. 1995. Nitrogenase structure and function: a biochemical-genetic perspective. Annual Rev. Microbiol.49:335-366.

Khalid A, Arshad M, Zahir ZA. 2004. Screening plant growth-promoting rhizobacteria for improving growth and yield of wheat. J Appl Microbiol 96:473–80.

Khan, M.S., Zaidi, A., Wani, P.A., 2006. Role of phosphate solubilizing microorganisms in sustainable agriculture –a review. Agron.Sustain. Dev. 27: 29–43.

Kennedy, Ivan R., A.T.M.A.Choudhury, M.L.Kecskes. 2004. Non-symbiotic bacterial diazotrophs in crop-farming systems: can their potential for plant growth promotion be better exploited. Soil Boil Biochem 3 6(8):1229-1244.

Kim J and D.C. Rees. 1994. Nitrogenase and biological nitrogen fixation. Biochemistry 33 : 389-397.

Kloepper , JW., Lifshitz, R. and Zablotowicz, R.M. 1989. Free-living bacterial inocula for enhancing crop productivity. Trends Biotechnol. 7: 39-43.

Ladha, J.K., F.J. de Bruijn, K.A. Malik. 1997. Introduction: assessing opportunities for nitrogen fixation in rice-a frontier project. Plant Soil, 124 : 1-10.

Liu, Yang, H.Wang, X.Sun, H.Yang, Y.Wang and W.Song. 2011. Study on mechanisms of colonization of nitrogen-fixing PGPB, *Klebsiella pneumoniae* NG14 on the root surface of rice and the formation of biofilm. Curr Microbiol 62:1113–1122.

Matiru, V.N., and Dakora FD. 2004. Potential use of rhizobial bacteria as promoters of plant growth for increased yield in landraces of African cereal crops. Afr J Biotechnol 3(1):1–7.

Patten, C.L., Glick, B.R. 1996. Bacterial biosynthesis of indole-3-acetic acid. Can. J. Microbiol. 42 : 207–220.

Podschun, R. and U. Ullmann. 1998. *Klebsiella* spp. as nosocomial pathogens: epidemiology, taxonomy, typing methods, and pathogenicity factors. Clinical Microbiology Reviews vol. 11, no. 4:. 589–603.

Prijambada, I.Dwidya, J.Widada, S.Kabirun, and D.Widianto. 2009. Secretion of organic acids by phosphate solubilizing bacteria isolated from oxisols. J. Tanah Trop., Vol. 14, No. 3: 245-251.

Rodríguez H, Fraga R, Gonzalez T, Bashan T. 2006. Genetics of phosphate solubilization and its potential applications for improving plant growth-promoting bacteria. Plant Soil 287:15–21.

Rosenblueth, Mónica, L.Martínez, J.Silva, and E.M.Romero. 2004. *Klebsiella variicola,* a novel species with clinical and plant-associated isolates system. Appl. Microbiol. 27: 27–35.

Ryan, Robert P., K.Germaine, A.Franks, D.J.Ryan, and D.N.Dowling. 2007. Bacterial endophytes: recent developments and applications. FEMS Microbiol.Lett. 278 : 1–9.

Sachdev DP, Chaudhari HG, Kasture VM, Dhavale DP, Chopade BA. 2009. Isolation and characterization of indole acetic acid (IAA) producing *Klebsiella pneumoniae* strains from rhizosphere of wheat (*Triticum aestivum*) and their effect on plant growth. Indian J Exp Biol 47:993–1000.

Spaepen, Stijn and Jos Vanderleyden. 2011. Auxin and Plant-Microbe Interactions. Cold Spring Harb Perspect Biol : 1-14.

Sturz, A.V., B.R.Christie, and J.Nowak. 2000. Bacterial endophytes: potential role in developing sustainable systems of crop production. Crit.Rev.PlantSci. 19 : 1–30.

Teale,WD, Paponov IA, Palme K. 2006. Auxin in action: signaling, transport and the control of plant growth and development. Mol Cell Biol 7:847–859.

Watanabe I, Furusaka C. 1980. Microbial ecology of flooded rice soils. Adv Microb Ecol 4:125–168.

Yasmin, Farzana, R.Othman, K.Sijam and M.S.Saad. 2009. Characterization of beneficial properties of plant growth-promoting rhizobacteria isolated from sweet potato rhizosphere. African Journal of Microbiology Research Vol. 3(11): 815-821.

Zaidi, A., Khan, M.S., Ahemad, M., Oves, M., 2009. Plant growth promotion by phosphate solubilizing bacteria. Acta Microbiol.Immunol. Hung. 56: 263–284.

Zeidler, Dana, U.Zahringer, I.Gerber, I.Dubery, T.Hartung, W.Bors, P.Hutzler, and J.Durner. 2004. Innate immunity in Arabidopsis thaliana: Lipopolysaccharides activate nitric oxide synthase (NOS) and induce defense genes. PNAS (11) 2 vol. 101 no. 44 : 15811–15816.