DAFTAR PUSTAKA

Abawi, G. S., & J. W. Lorbeer. 1971. Pathologycal histology of four onion cultivar infected by *Fusarium oxysporum* f. sp. *cepae*. Phytopathol 6: 1164-1169.

Abawi, G. S., & J. W. Lorbeer. 1972. Several Aspect Of The Ecology and Pathology of *Fusarium oxysporum* f. sp. *Cepae*. Research Associate and Associate Professor, Respectively, Departemen of Plant Pathology, New York State College of Agriculture and Life Sciences, Cornell University, New York.

Agrawal, D. P. K. & S. Agrawal. 2013. Characterization of bacillus sp. strains isolated from rhizosphere of tomato plants (*Lycopersicon esculentum*) for their use as potential plant growth promoting rhizobacteria. Int. J. Curr. Microbiol. App. Sci 2: 406-417.

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

Ajilogba, C. F., O. O. Babaloa., and F. Ahmad. Antagonistic effects of *Bacillus* species in Biocontrol of Tomato *Fusarium* Wilt. Ethno Med 7: 205-216.

Alberto, R. T. 2014. Pathological response and biochemical changes in *Allium cepa* L. (bulb onions) infected with anthracnos-twisted disease. Plant Pathology & Quarantine 4: 23-31.

Amin, M., & B. P., Kapadnis. 2005. Heat stable antimicrobial activity of *Allium ascalonicum* against bacteria and fungi. Indian J Exp Biol 43: 751-754.

Amin, M., S. Segatoleslami, and M. Hashemzadeh. 2009. Antimycrobial activity of partial purrified extract of *Allium ascalonicum*. Jundishapur J Microbiol 2: 144-147.

Anonim. 2006. Analisis komoditas unggulan dan peluang usaha bawang merah. Lembaga Penelitian Universitas Cendana, Kupang, <www.kab-kupang.go.id/pdf/PELUANG%20INVEST%20Bawang%20Mrh.pd> Diakses pada tanggal 10 Desember 2014.

Anonim. 2012. Standard operating procedure (SOP) bawang merah Gunung Kidul. Dinas Pertanian Daerah Istimewa Yogyakarta. < http://distan.pemdadiy.go.id/distan11/images/stories/teknologi/hotikultura/sopbawangmerahgk.pdf > Diakses pada tanggal 10 Desember 2014.

Anonim. 2014. Laporan Evaluasi Program Kegiatan dan Anggaran Kementrian Pertanian 2013.

Asrul, B. Hadisutrisno., T. Arwiyanto., dan J. Widodo. 2014. Peranan faktor lingkungan terhadap penyakit hawar daun bakteri (*Pantoea ananatis*) pada tanaman bawang merah. Proseding Seminar Nasional PFI Komda Joglosemar, Yogyakarta.

Basil, A. J., J. L. Strap., H. M. Knotek-Smith, and D. L. Crawford. 2004. Studies on the microbial populations of the rhizosphere of big sagebrush (*Artemisia tridentata*). J. Ind. Microbiol Biotech 31: 278-288.

Basuki, R. S. 2014. Identifikasi permasalahan dan analisis usahatani bawang merah di dataran tinggi pada musim hujan di kabupaten Majalengka. J. Hort. 24: 266-275.

Blanco, J. M., & P. A. H. M. Baker. 2007. Interaction between plants and beneficial *Pseudomonas spp*.: exploiting bacterial traits for crop protection. Antonie van Leeuwenhoek 92: 367-389.

Bloemberg, G. V., & , B.J.J Lughtenberg. 2001. Molecular basis of plant growth promotion and biocontrol by rhizobacteria. Opinion Plant Biology 4: 343-350.

Booth, C. 1971. The Genus Fusarium. Commonwealth Mycological Institute, Kew, Surrey, England.

Borneman, J., R. Olatinwo., and B. Yin. 2004. An experimental approach for identifying microorganism involved in specified functions: utilisation for understanding a nematode suppressive soil. Australians Plant Pathol 33: 151-155.

Chikere, C. B., & U. Udochukwu. 2014. Effect of growth media and incubation time on the culturability of soil bacteria. Journal of Pharmacy and Biological Sciences 9: 6-9.

Doran, J. W, M. Sarrantonio, M. A. Liebig. 1996. Soil health and sustainability. *Adv. Agron* 56:2–54

Ebenebe, A. C. 1980. Onion twisted disease caused by *Glomerella cingulata* in Northern Nigeria. Plant Disease 64: 1030-1032.

Fadhilah, S., S. Wiyono, dan M. Surahman. 2014. Pengembangan teknik deteksi fusarium patogen pada umbi benih bawang merah (*Allium ascalonicum*) di laboratorium. Jurnal Hortikultura 24: 171-178.

Garbeva, P., J. A. van Veen., and J. D. Van Elsas. 2004. Microbial diversity in soil: selection of microbial populations by plant and soil type and implications for diseases suppressiveness. Annu. Rev. Phytopathol 42: 243-270.

Grubben, G. J .H. 1990. Timing of vegetable production in Indonesia. Bul. Pen. Hort. XVIII (I): 43-53.

Gurung, T. D., C. Sherpa., V. P. Agrawal., and B. Lekhak. Isolation and characterization of antibacterial actinomycetes from soil samples of Kalapatthar, Mount everest region. 2009. Nepal Journal of Science and Technology 10: 173-182.

Jackman, J. 2012. The microbe: the basics of structure, morphology, and physiologyas they relate to microbial characterization and attribution. Springer Science+Business Media, USA.

Jin, D., P. Wang., Z. Bai., X. Wang., H. Peng., R. Qi., Z. Yu., G. Zhuang. 2011. Analysis of bacterial community in bulking sludge using culture-dependent and -independent approaches. Journal environmental Sciences 23: 1880-1887.

Jones, H. A. & L. K. Mann. 1963. Onions and Their Allies : Botany, cultivation and utilization. World Crops Series. L. Hill Cornel University. 286 p.

Koster, W. G., R. S. Basuki, J. Buurma, Suwandi, A. Wasito, and D, Rohana. 1989. Shallot based cropping systems in Brebes. Part I. Exploratory survey. Intern. Comm. LEHRI/ATA 395 : 117

Kuruppu, P. U. 1999. First report of *Fusarium oxysporum* causing a leaf twisiting disease on *Allium cepa* var. *Ascalonicum* in Srilanka. Plant Dis. 83 : 695

Larger, S. 2011. Survey of Fusarium species on yellow onion (allium cepa) on Onland. Biology and Agronomy Program, Swedish University of Agricultural Science. Thesis.

Leslie, J. F., & B. A. Sumerell. The fusarium Laboratory Manual. 2006. Blackwell Publishing Professional, USA.

Lestiyani, A. 2015. Identifikasi, Patogenesitas dan Variabilitas Penyebab Penyakit Moler pada Bawang Merah. Fakultas Pertanian Universitas Gadjah Mada. Tesis.

Marschner, P., C. H. Yang., D. E. Crowley. 2001. Soil and plant specific effects on bacterial community composition in the rhizosphere. Soil Biology & Biochemistry 33: 1437-1445.

Marschner, P., W. Marino, and R. Lieberei. 2002. Sesonal effects on microorganisms in the rhizosphere of two tropical plants in a polyculture agroforestry system in Central Amazonia, Brazil. Biol Fertil soils 35: 68-71.

Marshman, N. A., & Marshall K. C. 1981. Some effects of montmorillonite on the growth of mixed microbial cultures. Soil Biol Biochem 13: 135-141.

Merhi, F., J. Auger, F. Rendu, and B. Bauvois. 2008. Allium compounds, dipropyl and dimethyl thiosulfanates as antipoliferative and differentiating agents of human acute myeloid leukimia cell lines. Abstract biologics 2: 885-95.

Moreira, I. V., E. Conceicao, Olga, and C. N. Celia. 2013. Culture-dependent and culture-independent diversity surveys target different bacteria: a case study in a freshwater sample < www.researchgate.net.>. Diakses tanggal 20 Januari 2015.

Narula, N., E. Kothe, and R. K. Behl. 2009. Role of root exudates in plant-microbe interaction. Journal of Applied Botany and Food Quality 82: 122-130.

Nirenberg, H. I. & K. O. Donnell. 1998. New Fusarium species and combination within Giberella fujikuroi species complex. Mycologia 90: 434-458.

Opelt, K., & G. Berg. 2004. Diversity and antagonistic potential of bacteria associated with bryophytes from nutrient poor habitats of the Baltic Sea coast. Appl Environt Microbiol 70: 6569-6579.

Perdhana, K. A. 2015. Keragaman Jamur Tanah Pada Bawang Merah Bergejala Penyakit Moler. Fakultas Pertanian Universitas Gadjah Mada. Skripsi.

Permadi, A. H. 1995. Pemuliaan Bawang Merah Dalam Teknologi produksi bawang merah. Pusat Penelitian dan Pengembangan Hortikultura. Badan Litbang Pertanian, Jakarta.

Pinton, R., V. Zeno, and N. Paolo. 2001. The Rhizosphere Biochemistri and Organic Substances at The Soil-Plant Interface. Marcel dekker, Inc. New York.

Podile, A. R., R. V. N. R. Vukanti., A. Sravani., S. Kalam., S. Dutta., P. Durgeshwar., and V. P. Rao. 2014. Root colonization and quorum sensing are the driving forces of Plant Growth Promoting Rhizobacteria (PGPR) for growth promotion. Proc Indian Natn Sci acad 80: 407-413.

Potts, M. 1999. Mechanism of desiccation tolerance in cyanobacteria. Eur. J. Phycol 34: 319-328.

Purseglove, J. W. 1972. Tropical Crops; Monocotyledons, Longman Group Ltd.

Putrasamedja, S, & Suwandi. 1996. Bawang Merah di Indonesia. Balai Penelitian Tanaman Sayuran Pusat Penelitian dan Pengembangan Hortikultura, Lembang, Bandung.

Rachmad, S. Sri, dan L. G. Paulus. 2008. Penentuan efektivitas bawang merah dan ekstrak bawang merah (*Allium Cepa* var. *ascalonicum*) dalam menurunkan suhu bahan. Program Studi Fisika, UNHAS, Makassar. <repository.unhas.ac.id/.../JURNAL%20RACHMAD> Diakses pada tanggal 9 Desember 2014.

Rachmat, M. 2013. Analisis tataniaga dan tingkat kepantasan harga bawang merah di Indonesia. Bahan Seminar Bulanan Badan Litbang Pertanian.

Rachmat, M., S. Bambang, dan M. Chairul. 2012. Produksi, perdagangan, dan harga bawang merah. <*pse.litbang.pertanian.go.id/ind/.../anjak_2012_09.pdf* > Diakses tanggal 1 Desember 2014.

Rahayu, E. & N. Berlian. 1994. Bawang Merah. Penebar Swadaya, Gunung Sahari, Jakarta.

Rao, N. S. S. Mikroorganisme Tanah dan Pertumbuhan Tanaman. 1994. Universitas Indonesia (UI-Press), Jakarta.

Ratih, D. H. 2010. Pengaruh Pemberian Ekstrak Bawang Merah (*Allium ascalonicum*) Terhadap Kadar Kolesterol-LDL Serum Tikus Wistar Hiperlipidemia. Fakultas Kedokteran Universitas Diponegoro. Skripsi.

Reynolds, J. 2011. Richland College, Biol 2421. <delrio.dcccd.edu/jreynolds/microbiology/2421/> Diakses pada tanggal 10 Februari 2015.

Ross, I. A. 2001. Medical Plants of The World: Chemical Constituents, Traditional and Modern Medicinal Uses, Humana Press, Totowa.

Saito, A., S. Ikeda., H. Ezura, and K. Minamisawa. 2007. Microbial community analysis of the phytosphere using culture-independent methodologies. Microbs environ 22: 93-105.

Saragih, B. 2001. Kumpulan Pemikiran Agribisnis: Pradigma Baru Pembangunan Ekonomi Berbasis Pertanian, Pustaka Wirausaha Indonesia, Bogor.

Schaad, N. W., J. B. Jones, and W. Chun. 2001. Laboratory Guide for Identification of Plant Pathogenic Bacteria. 3th ed. The American Phytopathological Society (APS), Minnesota.

Schwartz, H. F. and S. K. Mohan. 1995. Compendium of Onion and Garlic Diseases. The American Phytopathological Society. APS press. Minesota. USA, 68-265.

Semangun, H. 2006. Pengantar Ilmu Penyakit Tumbuhan. Gadjah Mada University Press, Yogyakarta.

Shilpkar, P., M. C. Shah., K. R. Modi., and S. M. Patel. 2010. Seasonal changes in microbial community structure and nutrients content in rhizospheric soil Aegle marmelos tree. Ann. For. Ress 53:135-140.

Silva, N. D., M. H. Taniwaki, V. S. A. Junqueira, D. A. Silveira, M. D. S. Do Nascimento and R. A. R. Gomes. 2013. Microbiological Examination Methods of Food and Water, A Laboratory Manual. CRC Press, Tylor & Francis Group. London.

Stroo H. F, L. F. Elliot, and R. I. Papendick. 1988. Growth, survival and toxin production of root-inhibitory pseudomonads on crop residues. Soil Biol Biochem 20:201–207.

Sudarmono. 2014. Pengaruh pupuk hayati terhadap komunitas rizobakteri dan perkembangan layu fusarium pada tanaman pisang. Fakultas Pertanian Universitas Gadjah Mada. Tesis.

Suharyanta, E. 2006. Arah pengembangan agribisnis bawang merah di Bantul. Jurnal Ilmu-Ilmu Pertanian 2: 102-111.

Suherman, R. & R. S. Basuki. 1990. Strategi pengembangan luas areal usaha tani bawang merah (*Allium cepa* var. *ascalonicum*) di Jawa Barat: Tinjauan dari biaya usaha tani terendah. Bul. Pen. Hort 18: 11-18

Sutarya, R. & G. Grubben. 1995. Pedoman Bertanam Sayuran Dataran Rendah. Gadjah Mada University Press. Prosea Indonesia – Balai Penelitian Hortikultura, Lembang, Bandung.

Suton, S. 2011. Accuracy of plate counts. Journal of validation Technology 17: 42-46.

Suwandi. 2013. Teknologi produksi bawang merah off-season mengantisipasi pengaturan impor produk bawang merah. <www.litbang.pertanian.go.id/berita/one/1493> Diakses tanggal 15 Desember 2014.

Sylvia, D., J. Fuhrmann, P. Hartel, and D. Zuberer. 2005. Principles and Applications of Soil Microbiology. Pearson Education Inc.,NewJersey.

Tondok, E. T. 2001. Twisting Disease Caused by *Fusarium Oxysporum* on Shallot (*Allium cepa* L. Var. *Agregatum* G. Don.) in Indonesia. Institute of Plant Protection, Faculty of agriculture, George-Augus-University Geottingen, Jerman. Disertation.

West, A. W., G. P. Sparling., C. W. Feltham, and J. Reynolds. 1992. Microbial Activity and Survival in Soils Dried at Different Rates. Aust. J. Soil Rest : 209-222.

Whipps, J. 2001. Microbial interactions and biocontrol in the rhizosphere. Journal of Experimental Botany 52: 487-511.

Widyati, E. 2013. Dinamika komunitas mikroba di rizosfer dan kontribusinya terhadap pertumbuhan tanaman hutan. Tekno Hutan Tanaman 6: 55-64.

Wiyatiningsih, S. 2007. Kajian Epidemiologi Penyakit Moler pada Bawang Merah. Program Studi Fitopatologi, Fakultas Ilmu Pertanian, Sekolah Pascasarjana Universitas Gadjah Mada. Yogyakarta. Disertasi.

Wiyatiningsih, S., A. Wibowo., Endang, T. P. 2009. Keparahan penyakit moler pada enam kultivar bawang merah karena infeksi Fusarium oxysporum f.sp. cepae di tiga daerah sentra produksi. Seminar nasional, Fak. Pertanian & LPPM UPN, Jawa timur.

Wiyatiningsih, S., B. Hadisutrisno, N. Pusposenjojo., dan Suhardi. 2003. Kajian asosiasi *Phytophthora* sp. dan *Fusarium oxysporum* f. sp. *cepae* penyebab penyakit moler pada bawang merah. Mapeta 5: 1-6.

Zhang, L., & Z. Xu. 2008. Assesing bacterial diversity in soil. J. Soil Sediments 8: 379-388.

Zhou, J., *et al*. 2002. Spatial and resource factors influencing high microbial diversity in soil. Applied and Environmental Microbiology 68: 326-334.

Zivkovic, S., S. Toajanovic., Z. Ivanovic, Gavrilovic., Tatjana, and P. Jelica. 2010. Screening of antagonistic activity of microorganisms against Colletotrichum acutatum and *Colletotrichum gloeosporioides*. Arch. Biol. Sci., Belgrade 62: 611-623.