DAFTAR PUSTAKA

Agarie, S., Uchida, H., Agata, W., Kubota, F. and Kaufman, P.B. 1998. Effects of silicon on transpiration and leaf conductance in rice plants (*Oryza sativa* L.). Plant Production Science 1: 89-95.

Ali, Z. M., Lieng-Hong C., and H. Lazan. 2004. A comparative study on wall degrading enzymes, pectin modifications and softening during ripening of selected tropical fruits. Plant Science 167: 317–327.

Alnopri. 2004. Variabilitas genetik dan heritabilitas sifat-sifat pertumbuhan bibit tujuh genotipe kopi Robusta-Arabika. Ilmu-Ilmu Pertanian Indonesia 6(2): 91-96.

Amnuaysn, N., K. Seraypheap, and M. Kidyoo. 2012. Anatomical changes in peel structure of 'Hom Thong' banana during fruit development and ripening. Tropical Natural History 12 : 127-136.

Anggarwulan E, Solichatun. 2001. Fisiologi tumbuhan. Jurusan Biologi FMIPA Universitas Sebelas Maret. Surakarta.

Arios, J.R. 2005. Pengaruh Pemberian Pupuk Magnesium (Mg) Terhadap Kadar Klorofil Total Daun, dan Serapan Hara Mg Tanaman Kacang Tanah (*Arachis hypogea* L.) pada Podsolik Jasinga dan Latosol Darmaga. Skripsi. Fakultas Pertanian IPB. Tidak Dipublikasikan.

Brummell, D. A., M. H. Harpster, P. M. Civello, J. M. Palys, A. B. Bennet, and P. Dunsmuir. 1999. Modification of expansin protein abundance in tomato fruit alters softening and cell wall polymer metabolism during ripening. The Plant Cell 11: 2203-2216.

Brummell, D.A. dan Harpster, M.H. 2001. Cell wall metabolism in fruit softening and quality and its manipulation in transgenic plants. Plant Molecular Biology 47: 311-340.

Cahyono. 2009. Usaha Tani dan Penanganan Pascapanen Pisang. Kanisius, Yogyakarta.

Cakmak, I. And E. A. Kirkby. 2008. Role of magnesium in carbon partitioning and alleviating photooxidative damage. Plant Physiol 133 : 692-704.

Dumadi, S. R. 2001. Penggunaan kombinasi adsorban untuk memperpanjang umur simpan pisang Cavendish. Jurnal teknik dan industri pangan. Vol XII, no 1, Hal: 13-20.

Epstein, E. and A. J. Bloom. 2004. Mineral Nutrition of Plants: Principles and Perspective 2nd Edition. Sinaur Associates, USA.

Ferreira, C. F., S. O. Silva, N. P. Sobrihno and O. P. Paz. 2004. Molecular characterization of banana (AA) diploid with contrasting level of black and yellow sigatoka resistance. American Journal Applied Science 1 : 276-278.

Frison E, Sharrock S. 1999. The economic, social and nutritional importance of bananas in the World. In: Picq C, Fouré E, Frison EA, editors. Banana and Food Security. International Symposium, Douala, Cameroon, 10-14 November, 1998. pp. 21-35.

Gardner FP, Pearce RB, Mitchell RL. 1991. Fisiologi tanaman budidaya. UI Press. Jakarta.

Gillman, J. H., D. C. Zlesak, and J. A. Smith. 2003. Applications of potassium silicate decrease black spot infection in Rosa hybrida 'Meipelta'. Horticulture Science 38 : 1144-1147.

Gold, C. S., Pena, J. E. and Karamura, E.B. 2003. Biology and integrated pest management for the banana weevil *Cosmopolites sordidus* (Germar) (Coleoptera: Curculionidea). Integrated Pest Management Reviews 6: 79-155.

Goulao L. F. dan C. M. Oliveira. 2008. Cell wall modifications during fruit ripening: when a fruit is not the fruit. Trends in Food Srience and Technology 19: 4-25.

Gowen, S. 1995. Bananas and Plantains. Springer Science+Business Media Dordrecht, London.

Heldt, Hans-Walter. 2005. Plant Biochemistry 3rd ED. Academic Press, USA.

Herkovitz, V., H. Friedman, E.E. Goldshmidt and E. Pesis. 2010. Ethylene Regulation of Avocado Ripening Differs Between Seeded and Seedless Fruit. Postharvest Biology and Technology 56 (2): 138-146.

Jones Jr., J.Benton. 2005. Hydroponics: A Practical Guide for the Soilless Grower. 2nd ed. CRC Press, New York.

Jones, Jr., J. Benton. 2011. Hydroponic Handbook: How hydroponic growing system works. GroSystems, Inc, Anderson, SC.

Kablan, L., A. Lagauche, B. Delvaux, and A. Legreve. 2012. Silicon reduce black sigatoka development in bananas. Plant Disease 96: 273-278.

Kader, A. A., 1992. Quality and Safety Factors : Definitions and evaluation for fresh horticultural crops. In Postharvest technology of horticultural crops edited by Adel A. Kader. Publication 3311 University of California, Division of Agriculture and Natural resources, p.:185-189.

Lalithya, K.A., H.P. Bhagya, K. Bharathi dan K. Hipparagi. 2014. Response of soil and foliar application of silicon and micro nutrients on leaf nutrient status of sapota. The Bioscan 9 : 159-162.

Liang, Y., Sun, W., Zhu, Y.G., and Christie, P. 2007. Mechanisms of silicon-mediated alleviation of abiotic stresses in higher plants: a review. Environmental Pollution 147: 422-428.

Makarim, A. K., E. Suhartatik, dan A. Kartohardjono. 2007. Silikon: hara penting pada sistem produksi Padi (*Oryza sativa*). Tanaman Pangan 2:2.

Marschner, Hort. 1995. Mineral Nutrition of Higher Plants 2nd Editions. Academic Press, London.

Marschner, H. 2012. Marschner's Mineral Nutrition of Higher Plants, 3rd Edn London: Academic Press.

Matile, P, S. Hortensteiner, and H. Thomas. 1999. Chlorophyll degradation. Annual Review Plant Physiology Plant Molecular Biology 50: 67–95.

Matoh, T. dan M. Kobayashi. 1998. Boron and calcium, essential inorganic constituents of pectin polysaccharides in higher plant cell walls. Journal Plant Research 111 : 179-190.

Mengel K, Kirkby EA, Kosegarten H, Appel T. 2001. Principles of plant nutrition. Dordrecht: Kluwer Academic.

Mostafa, E. A. M., Saleh, M. M. S., and A. El-Migeed, M. M. M. 2007. Response of banana plants to soil and foliar application of magnesium. American-Eurasian Journal of Agricultural and Environmental Science 2: 141-146.

Muhadjir, S. 1988. Jagung. Pusat Penelitian dan Pengembangan Tanaman Pangan. Bogor.

Novizan, 2005. Petunjuk Pemupukan Yang Efektif. Agromedia Pustaka, Jakarta.

Pantastico, E.B. 1986. Fisiologi Pasca Panen, Penanganan dan Pemanfaatan Buah-Buahan dan Sayur-Sayuran Tropika dan Sub Tropika. Penerjemah kamaryani. Gadjah Mada Unversity Press, Yogyakarta.

Purseglove, J.W. 1978. Tropical Monocotyledons 2nd Edition. Longman Group Limited, London.

Purwoko, B., P. Utoro, Mukhtasar, S. S. Harjadi, dan S. Susanto. 2002. Polyamine infiltration inhibited ripening of cavendish banana fruits. Hayati 9 (1):19-23.

Putra, E.T.S. 2011. Weak Neck Problem in *Musa* sp. cv. Rastali Populations in Relation to Magnesium, Boron and Silicon Availability. Faculty of Agriculture. University Putra Malaysia. Disertasi Doktor.

Rerkasem, B. dan S. Jamjod. 2004. Boron deficiency in wheat: a review. Field Crops Research 89: 173–186.

Robinson, J.C. 1995. System of cultivation and management. In: Gowen, S.(Ed.) Bananas and plantains. London: Chapman & Hall.

Roedyarto. 1997. Budidaya Pisang Ambon. Cetakan 1. Surabaya, PT Trubus Agrisarana.

Rukmana. 1999. Usaha Tani Pisang. Kanisus, Yogyakarta.

Saleem, M., Khanif Y.M., F. Ishak, Samsuri A.W. and Hafeez .B. 2011. Importance of boron for agriculture productivity: a review.Int. Res. J. Agric. Sci. Soil Sci.: 293-300.

Samson, J. A. 1980. Tropical Fruits. Longman Inc, New York. 250 p

Simmonds, N. W. 1966. Bananans 2nd ED. Longman Group Limited, London.

Singh D. P. , J. Beloy , J. K. McInerney, dan L. Day. 2012. Impact of boron, calcium and genetic factors on vitamin C, carotenoids, phenolic acids, anthocyanins and antioxidant capacity of carrots (*Daucus carota*). Food Chemistry 132 : 1.161-1.170.

Subekti, H dan B. Supriyanto. 1996. Perbaikan Teknik Budidaya Pisang. Balai Penelitian Tanaman Buah Solok. Pusat Penelitian dan Pengembangan Hortikultura.

Sys C, Van Ranst E, Debaveye I J, Beernaert F. 1993. Land evaluation. Part III: Crop Requirements. General Administration for Development Cooperation, Agricultural publication-No. 7, Brussels-Belgium, 199

Syukur, A. 2005. Penyerapan boron oleh tanaman jagung di tanah pasir pantai bugel dalam kaitannya dengan tingkat frekuensi penyiraman dan pemberian bahan organik. Jurnal Ilmu Tanah dan Lingkungan 2: 20-26.

Tisdale, S.L. and W.L. Nelson. 1975. Soil Fertility and Fertilizers. 3rd. McMilan Publishing Co. New York.

Todd Cavins, Steve Marek, and Sophia Kamenidou. 2010. Impact Of Silicon On Plant Growth. http://www.greenhousemanagementonline.com/gmpro-0610-silicon-plant-growth.aspx. diakses tanggal 28 Februari 2016.

Turner, D.W., J.A. Fortescue, and D.S. Thomas. 2007. Environmental physiology of the bananas (*Musa* app.). Brazilian Journal of Plant Physiology 19:463-484.

Verbruggen, N. and C. Hermans. 2013. Physiological and molecular responses to magnesium nutritional imbalance in plant. Plant Soil 368:87-99.

Wulandari, R. A., R. W. Kartika, D. Destiningrum. 2007. Identifikasi Genetik Ketahanan Beberapa Kultivar Pisang Terhadap Infeksi Jamur *Fusarium oxysporum* Menggunakan Teknik Random Amplified Polymorphism DNA (RAPD). Laporan Akhir Penelitian Dosen Muda Universitas Gadjah Mada, Yogyakarta.

Zaharah, S.S., Z. Singh. G.M. Symons and J.B. Reid. 2013. Mode of Action of Abscisic Acid in Triggering Ethylene Biosynthesis and Softening During Ripening in Mango Fruit. Postharvest Biology and Technology 75: 37-44.

Zhang, C., L. Wang, W. Zhang, and F. Zhang. 2013. Do lignification and silicification of the cell wall precede silicon deposition in the silica cell of the rice (*Oryza sativa* L.) leaf epidermis?. Plant Soil 372: 137–149.