

DAFTAR PUSTAKA

- Bachrein, S. (2004). Pengkajian Keragaan Usahatani dan Sistem Distribusi Bibit Kentang di Jawa Barat. *Jurnal Pengkajian dan Pengembangan Teknologi Pertanian* Vol. 7 No. 2: 125-138.
- Bandara, M. S., Tanino, K. K., and Waterer, D. R. (2013). Effect of Plant Growth Regulators on Seed Tuber Yield in Potatoes. *Journal of Integrative Plant Biology* Vol. 4: 294-388.
- Balitsa. (2015). *Balai Penelitian Tanaman Sayuran*. Diambil kembali dari Balai Penelitian Tanaman Sayuran: <http://balitsa.litbang.pertanian.go.id/ind/index.php/berita-terbaru/379-memilih-varietas-kentang-yang-tepat-untuk-budidaya-kentang-yang-sehat.html>. Diakses pada tanggal 21 Agustus 2016.
- BPS Direktorat Jenderal Hortikultura. (2016). *Kementerian Pertanian RI*. Diambil kembali dari Sub Sektor Hortikultura: http://www.pertanian.go.id/ap_pages/mod/datahorti. Diakses pada tanggal 21 Agustus 2016.
- Burton, W. G. (1966). *The Potato*. Madison: Longman Scientific & Technical.
- Castro, G., Kraus, T., and Abdala, G. (1999). Endogeneous jasmonic acid and radial cell expansion in buds of potato tubers. *Journal of Plant Physiology* Vol. 155: 706-710.
- Cenzano, A., Vigliocco, A., Kraus, T., and Abdala, G. (2003). Exogenously Applied Jasmonic Acid Induces Changes in Apical Meristem Morphology of Potato Stolons. *Annals of Botany* Vol. 91: 915-919.
- Cheong, J., and Yang, D. (2003). Methyl jasmonate as a vital substance in plants. *TRENDS in Genetics* Vol.19: 409-413.
- CIP. (2016). *The International Potato Center*. Diambil kembali dari The International Potato Center: <http://cipotato.org/potato/facts>. Diakses pada tanggal 21 Agustus 2016.
- Ewing, E., and Struik, P. (1992). *Tuber Formation in Potato: Induction, Initiation, and Growth, in Horticultural Reviews*. Oxford: John Wiley & Sons, Inc.
- FAO. (2006). Diambil kembali dari <http://www.fao.org/potato-2008/en/potato/utilization.html>. Diakses pada tanggal 20 Agustus 2016.

- Feussner, I., and Wasternack, C. (2002). The lipoxygenase pathway. *Annu. Rev. Plant Biol. Physiol. Plant Mol. Biol. Vol. 53*: 275-279.
- Gachango, E., Shibairo, S., Kabira, J., and Demo, P. (2008). Effects of light intensity on quality of potato seed tubers. *African Journal of Agricultural Research Vol. 3*: 732-739.
- Gajdošová, S., Spíchal, L., Kamínek, M., Hoyerová, K., Novák, K., Dobrev, P., Galuszka, P., Klíma, K., Gaudinová, A., Zcaron., Ižková, E., Hanuš, J., Dančák, M., Trávníček., Pešek, B., Krupička, M., Vaňková, R., Strnad, M., Motyka, M (2011). Distribution, biological activities, metabolism, and the conceivable function of cis-zeatin-type cytokinins in plants. *J. Exp. Bot. Vol. 62*: 2827–2840.
- Gaudinova, A. (1990). The Effect of Cytokinins on Nitrate Reductase Activity. *Biologia Plantarum Vol. 32*: 89-96.
- Gomez, K.A., and Gomez, A.A. (2010). *Prosedur Statistik untuk Penelitian Pertanian*. Jakarta: UI Press.
- Harborne, J. (1987). *Metode Fitokimia, Penuntun Cara Modern Menganalisa Tumbuhan*. Bandung: ITP Press.
- Hartanto, N., Purnomo, Sumardi, I. (2002). *Struktur dan Perkembangan Tumbuhan cetakan III*. Depok: Penebar Swadaya.
- Hirose, N., Takei, K., Kuroha, T., Tomoe, K., Hayashi, H., and Sakakibara, H. (2008). Regulation of cytokinin biosynthesis, compartmentalization and translocation. *J. Exp. Bot. Vol. 59*: 75-83.
- Hosaka, K., and Hanneman, R. (1988). The origin of the cultivated tetraploid potato based on chloroplast. *Theoretical and Applied Genetics Vol. 76*: 172–176.
- humasjtg1. (2016). *Pemerintah Provinsi Jawa Tengah*. Diambil kembali dari Pemerintah Provinsi Jawa Tengah Web Site: <http://www.jatengprov.go.id/id/newsroom/varietastedjomzdiminatipetanikentangbatur>. Diakses pada tanggal 21 Agustus 2016.
- Iritani, W., and Weller, D. L. (1987). The influence of physiological age, stem number and fertility on yield and grade of Russet Burbank potatoes. *An. Potato J. Vol. 64 No. 6*: 291-300.
- Kieber, J., and Schaller, G. (2014). Cytokinins. *The Arabidopsis Book Vol.12*.

- Koda, Y., and Kikuta, Y. (2001). Effects of Jasmonates on in vitro Tubercization in Several Potato Cultivars that Differ Greatly in Maturity. *Plant Prod. Sci* Vol. 4: 66-70.
- Lambers, H., Chapin, F.S., and Pons, T.L. (2008). *Plant Physiological 2nd ed.* New York: Springer.
- Lichtenthaler, H., and Wellburn, A. R. (1983). Determinations of total carotenoids and chlorophylls a and b of leaf extracts in different solvents. *Biochemical Society Transactions*: 591-592.
- Listyawati, S. (1994). *Pengaruh Radiasi Sinar Gamma Co 60 Terhadap Aktivitas Nitrat Reduktase dan Struktur Anatomi Brassica campestris Linn. [Skripsi]*. Yogyakarta: Fakultas Biologi UGM.
- Mauseth, J.D. (2014). *Botany: An Introduction to Plant Biology 5th ed.* Burlington: Jones & Bartlett Learning.
- Mullet, J., and Creelman, R. (1997). Biosynthesis and Action of Jasmonates in Plants. *Annu. Rev. Plant Physiol. Plant Mol. Biol. Vol. 48*: 55-81.
- Navarre, R., and Mark, J. P. (2014). The potato : Botany, Production and Uses. Dalam R. G. Berg, & N. W. Groendijk, *Taxonomy*. London: CPI Group (UK) Ltd.
- Nazareno, A.L., and Hernandez, B.S. (2017). A mathematical model of interaction of abscisic acid, ethylene and methyl jasmonate on stomatal closure in plants. *PLoS ONE Vol. 12 No. 2*.
- NutritionFacts. (2016). Diambil kembali dari Nutrition Facts Web Site: <http://nutritiondata.self.com/facts/vegetables-and-vegetable-products/2546/2>. Diakses pada tanggal 25 Agustus 2016.
- O'Brien, P., Allen, E., and Firman, D. (1998). A review of some studies into tuber initiation in potato (*Solanum tuberosum*) crops. *Journal of Agricultural Science Vol. 130*: 251–270.
- Otaquí, V. (2010). *Manual on quality seed potato production using aeroponics*. Lima: International Potato Center.
- Paul, H. L. (1985). *Potato Physiology*. Orlando: Academic Press, Inc.
- Prahardini, E. (2006). *Pengelolaan Pembenihan Kentang di Tingkat Penangkar*. Malang: Balai Pengkajian Teknologi Pertanian.

- Ravnikar, M., Vilhar, M., and Gogala, N. (1992). Stimulatory effects of jasmonic acid on potato stem node and protoplast culture. *Journal of Plant Growth Regulation* Vol. 29.
- Rossato, L., MacDuff, J.H., Laine, P., Deunff, E., and Ourry, A. (2002). Nitrogen storage and remobilization in *Brassica napus* L. during the growth cycle: effects of methyl jasmonate on nitrat uptake, senescence, growth, and VSP accumulation. *Journal of Experimental Botany* Vol. 53: 1131-1141.
- Roy, N., and Mark, J. P. (2014). *The Potato Botany, Production and Uses*. London: CPI Group (UK) Ltd.
- Sakakibara, H. (2006). Cytokinins: activity, biosynthesis, and translocation. *Annu Rev Plant Biol* Vol. 57: 43-49.
- Samuelson, M.E., Campbell, W.H., and Larsson, C.M. (1995). The influence of cytokinins in nitrate regulation of nitrate reductase activity and expression in barley. *Physiologia Plantarum*: 533-539.
- Saparso, Hadi, S., dan Musthafa, M. (2016). Karakteristik tiga varietas kentang (*Solanum tuberosum* L.) dalam sistem aeroponik untuk produksi benih. *Prosiding SemNas Biodiversitas* Vol.5 No.2: XXXX.
- Sarkar, D., and Pandey, S.K. (2006). Cytokinins antagonize the jasmonate action on the regulation of potato tuber formation in vitro. *Plant Cell Tiss. Organ Cult.*: 285-295.
- Sarmad, J., Divband., S.M., Fallah., M.M. (2016). Effect of Methyl Jasmonate Chloride Andnitrate concentrations, Nitrat Reductase Activity, Malondialdehyde Content and Peroxidase Activity in *Nicotiana tabacum* in Different Concentration of Chloride. *International Research Journal of Applied and Basic Sciences*: 984-990.
- Sharma, M., and Laxmi, A. (2016). Jasmonates: Emerging Players in Controlling Temperature Stress Tolerance. *Front. Plant Sci. Vol. 6*: 1129.
- Sitompul, S., dan Guritno, B. (1995). *Analisis Pertumbuhan Tanaman*. Yogyakarta: Gadjah Mada University Press.
- Sohn, B.H., Lee, Y.H., Seo, J.S., Jung, C., Jeon, J.H., Kim, J.H., Lee, Y.W., Lee, J.S., Cheong, J.J., and Choi, Y.D (2010). Overexpression of jasmonic acid

- carboxyl methyltransferase increases tuber yield and size in transgenic potato. *Plant Biotechnol Rep Vol. 5*: 27-34.
- Spooner, D. M. (2005). A single domestication for potato based on multilocus amplified fragment length polymorphism genotyping. *PNAS Vol. 102 No. 41*: 94-99.
- Stoner, R. J. (1983). Aeroponics Versus Bed and Hydroponic Propagation. *Florists' review*.
- Suty, L., Moureaux, T., and Teyssendier, B. (1993). Cytokinin affects nitrate reductase expression through the modulation of polyadenylation of the nitrate reductase mRNA transcript. *Plant Science Vol. 90*: 11-19.
- Synkova, H., Semoradova, S., Schnablova, R., Witters, E., Husak, M., and Valcke, R. (2004). Cytokinin-induced activity of antioxidant enzymes in transgenic Pssu-ipt tobacco during plant ontogeny. *Biologia Plantarum Vol. 50*: 31-41.
- Taiz, L., and Zeiger, E. (2002). *Plant Physiology*. Sunderland: Sinauer Associates, Inc.
- Takashi, K., Fujino, K., Kikuta, Y., and Koda, Y. (1994). Expansion of potato cells in response to jasmonic acid. *Plant Science Vol. 100*: 3-8.
- Tantowijoyo, W., and Fliert, E. (2006). *All About Potatoes: An Ecological Guide to Potato Integrated Crop Management*. Bangkok: FAO Regional Office for Asia and the Pacific.
- Tshisola, S. N. (2014). *Improved potato (*Solanum tuberosum* L.) seed production through aeroponics*. Stellenbosch: Stellenbosch University.
- Tsuchiya, T. O. (1999). Cloning of chlorophyllase, the key enzyme in chlorophyll degradation: Finding of a lipase motif and the induction by methyl jasmonate. *PNAS Vol. 96*: 15362-15367.
- Utomo, S.S. (2013). Diambil kembali dari <http://pvtpp.setjen.pertanian.go.id/berita-resmi/pendaftaran-varietas-lokal/kentang-nama-varietas-tedjo-m2/>. Diakses pada tanggal 16 Juli 2017.
- Vien, N. (2010). Diambil kembali dari <http://www.saigon-gpdaily.com.vn/Business/2010/8/84648/>. Diakses pada tanggal 21 Agustus 2016.

- Voss, R. P. (1999). New specialty potato varieties give farmers growing and marketing options. *California Agriculture Vol. 53*: 16-20.
- Vremarr, H. J., Skoog, F., Frihart, C. R., and Leonard, N. J. (1972). Cytokinins in Pisum transfer ribonucleic acid. . *Plant Physiol Vol. 49*: 848–851.
- Wani, S. H., Kumar, V., Shriram, V., and Kumar, S. (2016). Phytohormones and their metabolic engineering for abiotic stress tolerance in crop plants. *The Crop Journal Vol. 4*: 162-176.
- Wasternack, C., and Hause, B. (2002). Jasmonates and octadecanoids: signals in plant stress responses and development. *Prog. Nucleic Acid Res. Mol. Biol. Vol. 72*: 165-221.
- Wasternack, C., and Parthier, B. (1997). Jasmonate signalled plant gene expression. *Trends Plant Sci. Vol. 2*: 302-307.
- Woolfe, J. (1987). *The Potato in the Human Diet*. Cambridge: Cambridge University Press.
- Yunhai, H., and Xianming, J. (1992). The Effects of Plant Hormones on Tuberization of Potato Microtubers in vitro. *Chinese Potato Journal*.
- Zobel, R., Tredici, P., and Torrey, J. (1976). Method for Growing Plants Aeroponically. *Plant Physiol. Vol. 57*: 344-346.
- Zubo., Y. Y. (2008). Cytokinin Stimulates Chloroplast Transcription in Detached Barley Leaves. *Plant Physiology Vol. 148*: 1082-1093.