

## Daftar Pustaka

- Adekiya, A.O., T.M. Agbede, C.M. Aboyeji, O. Dunsin, J.O. Ugbe. 2019. Green manures and NPK fertilizer effects on soil properties, growth, yield, mineral and vitamin C composition of okra (*Abelmoschus esculentus* (L.) Moench). *Journal of the Saudi Society of Agricultural Sciences*. 18(2): 218-223
- Alamu, S. and C.R. McDavid. 1979. Effect of day length and gibberellic acid on the growth and promotion of flowering in tannia (*Xanthosoma sagittifolium*). *Trop. Agric*. 56(1):17-23
- Ali, B.H., N. Al Wabel and G. Blunden. 2005. Phytochemical, pharmacological and toxicological aspects of *Hibiscus sabdariffa* L.: a review. *Phytother. Res*. 19: 369–375
- Alkema, J. and S.L. Seager. 1982. The Chemical Pigments of Plants. *Journal of Chemical Education*. 59(3): 183-186
- Ansari, M., T. Eslaminejad, Z. Sarhadynejad and T. Eslaminejad. 2013. An Overview of the Roselle Plant with Particular Reference to Its Cultivation, Diseases and Usages. *European Journal of Medicinal Plants*. 3(1): 135-145
- Arnon, D.I. 1949. Copper Enzymes in Isolated Chloroplasts Polyphenoloxidase in *Beta vulgaris*. *Plant Physiology*. 24(1): 1-15
- Arteca, R.N. 1996. Plant Growth Substances Principle and Applications. New York: Chapman & Hall. pp.17, 18.
- Astuti, T. dan S. Darmanti. 2010. Produksi Bunga Rosella (*Hibiscus sabdariffa* L.) yang Diperlakukan dengan Naungan dan Volume Penyiraman Air yang Berbeda. *Jurnal Penelitian Sains dan Teknologi*. 11(1): 19-28
- Balittas (Balai Penelitian Tanaman Pemanis dan Serat). 2018. Rosela. <http://balittas.litbang.pertanian.go.id/index.php/id/produk/varietas-unggul/rosela> diakses pada 16 Desember pukul 21.10 WIB
- Bhatla, S.C. and M.A. Lal. 2018. *Plant Physiology, Development and Metabolism*. New Delhi: Springer
- Brian, P.W. 1959. Effect of gibberellins on Plant Growth and Development. *Biological Reviews*. 34(1): 37-77
- Campbell, W.H. 1988. Nitrate Reductase and Its Role in Nitrate Assimilation in Plants. *Physiologia Plantarum*. Vol.74: 214-219
- Celli, G.B. and M.S. Brooks. 2019. *Anthocyanins from Natural Sources: exploiting Targeted Delivery for Improved Health*. United Kingdom: Royal Society of Chemistry. pp. 3,4

- Cleland, C.F. and J.A.D. Zeevaart. 1969. Gibberellins in Relation to Flowering and Stem Elongation in the Long Day Plant *Silene armeria*. *Plant Physiol.* 46: 392-400
- Copley, L.S. 1975. *An Introduction to the Botany of Tropical Crops*. United Kingdom: Longmans, Green and Co Ltd. p. 73
- Davies, P.J. 2004. *Plant Hormones Biosynthesis, Signal Transduction and Action*. New York: Springer. p. 64
- Dougherty, K.M., I.A. Mendelssohn and F.J. Monteferrante. 1990. Effect of Nitrogen, Phosphorus and Potassium Additions on Plant Biomass and Soil Nutrient Content of a Swale Barrier Strand Community in Louisiana. *Annals of Botany*. 66(3): 265-271
- Drobek, M., M. Frac, and J. Cybulska. 2019. Plant Biostimulants: Importance of the Quality and Yield of Horticultural Crops and the Improvement of Plant Tolerance to Abiotic Stress—A Review. *Agronomy*. 9(335): 1-18
- Du, C.T. and F.J. Francis. 1973. Anthocyanins of Roselle (*Hibiscus sabdariffa* L.). *Journal of Food Science*. 38(5): 810-812
- Eleiwa, M.E., S.A. Ibrahim and Manal F.M. 2012. Combined effect of NPK levels and foliar nutritional compounds on growth and yield parameters of potato plants (*Solanum tuberosum* L.). *African Journal of Microbiology Research*. 6(24): 5100-5109
- Emery, R.J.N., N.E. Longnecker and C.A. Atkins. 1998. Branch development in *Lupinus angustifolius* L. II. Relationship with endogenous ABA, IAA and cytokinins in axillary and main stem buds. *Journal of Experimental Botany*. 49(320): 555–562.
- Fadimu, O.Y., A.A. Ajiboye, D.A. Agboola, M. Kadiri, M.O. Adedire. 2012. Effect of some Combination of Phytohormones on some Growth Parameters and Vitamin C, Carbohydrate, Protein and Chlorophyll Contents of *Spondias mombin* (Linn) Seedlings. *Ife Journal of science*. 14(2): 397-403
- Fletcher, R.A. and McCullagh D. 1971. Cytokinin Induced Chlorophyll Formation in Cucumber Cotyledons. *Springer*. 101:88-90
- Fomina, I.R., Biel and V.G. Soukhovolsky. 2018. *Complex Biological Systems: Adaptation and Tolerance to extreme Environments*. USA: Scrivener Publishing. pp. 339,340
- Guler, S. 2009. Effects of Nitrogen on Yield and Chlorophyll of Potato (*Solanum tuberosum* L.) Cultivars. *Bangladesh J. Bot.* 38(2): 163-169
- Grubben, G. J. H. 2004. *Vegetables*. Netherlands: PROTA. p. 324

- Hossain, M.A., S. Munne-Bosch, D.J. Burrit, P. Diaz-Vivancos, M. Fujita and A. Lorence. 2018. *Ascorbic Acid in Plant Growth, Development and Stress Tolerance*. New York: Springer. p. 17,18,432
- ITIS (Integrated Taxonomic Information System). 2019. *Hibiscus sabdariffa* L. ITIS Report. [https://www.itis.gov/servlet/SingleRpt/SingleRpt?search\\_topic=TSN&search\\_value=503001#](https://www.itis.gov/servlet/SingleRpt/SingleRpt?search_topic=TSN&search_value=503001#) diakses pada 16 Desember 2019 pukul 11.42 WIB
- Jaworski, E.G. 1971. Nitrate Reductase Assay In Intact Plant Tissues. *Biochemical and Biophysical Research Communications*. 43(6): 1274-1279
- Jeong, S.T., N. Goto-Yamamoto, S. Kobayashi, M. Esaka. 2004. Effects of plant hormones and shading on the accumulation of anthocyanins and the expression of anthocyanin biosynthetic genes in grape berry skins. *Plant science*. 167(2): 247-252
- Kauffman, G.L., Kneivel, D.P., Watschke, T.L. 2007. Effects of a biostimulant on the heat tolerance associated with photosynthetic capacity, membrane thermostability, and polyphenol production of perennial ryegrass. *Crop Sci*. 47: 261-267
- Kutschera, U. 2006. Acid Growth and Plant Development. *Science*. 311:952-953
- Liu, Y., Y. Tikunov, R.E. Schouten. L.F.M. Marcelis, R.G.F. Visser and A. Bovy. 2018. Anthocyanin Biosynthesis and Degradation Mechanisms in *Solanaceous* Vegetables: A Review. *Frontiers in Chemistry*. 6(52): 1-17
- Lopes da Silva, F., M. T. Escribano-Bailon, J. J. P. Alonso, J. C. Rivas-Gonzalo, & C. Santos-Buelga. 2005. Anthocyanin pigments in strawberry. *Lebensmittel-Wissenschaft & Technology*. 40: 347-382.
- Loreti, E., G. Povero, G. Novi, C. Solfanelli, A. Alpi and P. Perata. 2008. Gibberellins, jasmonate and abscisic acid modulate the sucrose-induced expression of anthocyanin biosynthetic genes in *Arabidopsis*. *New Phytologist*. 179(4): 1004-1016
- Mahadevan, N., Shivali and P. Kamboj. 2009. *Hibiscus sabdariffa* Linn.-An Overview. *Natural Product Radiance*. 8(1):77-83.
- Marth, P.C., V. Audiaw, and J.W. Mitchell. 1956. Effects of gibberellic acid on growth and development of plants of various genera and species. *Botanical Gazzete*. 118(2):106-111
- Maryeni, R. 2008. Pengaruh Beberapa Konsentrasi Giberelin terhadap Pertumbuhan Bibit Kina Succi (*Cinchona succirubra* Pavon). *Jerami*. 1(1):46-49.
- Miazek, K. and S. Ledakowicz. 2013. Chlorophyll Extraction from Leaves, Needles and Microalgae: A Kinetic Approach. *International Journal of Agricultural and Biological Engineering*. 6(2): 107-115

- Mohamed, B.B., A. A. Sulaiman and A. A. Dahab. 2012. Roselle (*Hibiscus sabdariffa* L.) in Sudan, Cultivation and Their Uses. *Bulletin of Environment, Pharmacology and Life Sciences*. 1(6): 48-54.
- Mozafar, A. 2008. Nitrogen Fertilizers and the Amount of Vitamins in Plants: A Review. *Journal of Plant Nutrition*. 16(12): 2479-2506.
- Mungole, A. and A. Chaturvedi. 2011. *Hibiscus sabdariffa* L. a Rich Source of Secondary Metabolites. *International Journal of Pharmaceutical Sciences Review and Research*. 6(1): 83-87
- Nurnasari, E. dan A.D. Khuluq. 2017. Potensi Diversifikasi Rosela Herbal (*Hibiscus sabdariffa* L.) untuk Pangan dan Kesehatan. *Buletin Tanaman Tembakau, Serat & Minyak Industri*. 9(2): 82-92
- Pascual, M.B., J. El-Azaz, F.N. Torre, R.A. Canas, C. Avila and M. Canovas. 2016. Biosynthesis and Metabolic Fate of Phenylalanine in Conifers. *Frontiers in Plant Science*. 7: 1-13
- Qomariah, U.K.N. 2002. Aktivitas Nitrat Reduktase *Capsicum annum* L. Secara In Vivo dengan Spektrofotometri. *Exact Papers in Compilation*. 1(2): 95-100
- Rabeiz, C.A. 2013. *Chlorophyll Biosynthesis and Technological Applications*. New York: Springer. p. 7
- Ravindran, P. N. 2017. *The Encyclopedia of Herbs & Spices*. Oxford: CABI. p. 804
- Reinhardt, D., Mandel, T., Kuhlemeier C. 2000. Auxin regulates the initiation and radial position of plant lateral organs. *The Plant Cell*. 12:507-18.
- Roberts, M., M. Reiss and G. Monger. 2000. *Advanced Biology*. Cheltenham: Nelson. p.562
- Rodríguez-Medina, I.C., R. Beltrán-Debón, V. M. Molina, C. Alonso-Villaverde, J. Joven, J. A. Menéndez, A. Segura-Carretero and A. Fernández-Gutiérrez. 2009. Direct characterization of aqueous extract of *Hibiscus sabdariffa* using HPLC with diode array detection coupled to ESI and ion trap MS. *J. Sep. Sci.* 32: 3441–3448.
- Roth-Bajerano, N. and S.H. Lips. 1970. Hormonal Regulation of Nitrate Reductase Activity in Leaves. *New Phytologist*. 69(1):165-169
- Shi M. and D. Xie. 2014. Biosynthesis and Metabolic Engineering of Anthocyanins in *Arabidopsis thaliana*. *Recent Plant Biotechnology*. 8: 47-60
- Srivastava, H.S. 1980. Regulation of Nitrate Reductase Activity in Higher Plants. *Phytochemistry*. 19(5): 725-733
- Starr, C., C. Evers and L. Starr. 2016. *Biology: Concepts and Applications*. Boston: Cengage Learning. pp. 464, 465

- Subhan, N. Nurtika dan N. Gunadi. 2009. Respons Tanaman Tomat terhadap Penggunaan Pupuk Majemuk NPK 15-15-15 pada Tanah Latosol pada Musim Kemarau. *Jurnal Hortikultura*. 19(1): 40-48
- Sudarmadji, S., B. Haryono, dan Suhardi. 1984. *Prosedur Analisa Untuk Bahan Makanan Dan Pertanian*. Yogyakarta: Liberty
- Sumarni, N., Suwandi, N. Gunaeni dan S. Putrasamedja. 2013. Pengaruh Varietas dan Cara Aplikasi GA3 terhadap Pembungaan dan Hasil Biji Bawang Merah di Dataran Tinggi Sulawesi Selatan. *Jurnal Hortikultura*. 23(2):153-163.
- Tanaka, Y. and A. Ohmiya. 2008. Seeing is believing: engineering anthocyanin and carotenoid biosynthetic pathways. *Curr. Opin. Biotechnol.* 19(2):190-197
- Wang, Y., Zhao, J., Lu, W., and Deng, D. 2017. Gibberellin in plant height control: old player, new story. *Plant Cell Reports*, 36(3): 391–398
- Wilson, R.N., J.W. Hrkman, and C.R. Somerville. 1992. Gibberellin Is Required for Flowering in *Arabidopsis thaliana* under Short Days. *Plant Physiol.* 100(1): 403-408
- Wolucka, B.A., A. Goossens and D. Inze. 2005. Methyl jasmonate stimulates the de novo biosynthesis of vitamin C in plant cell suspensions. *Journal of Experimental Botany*. 56( 419): 2527–2538.
- Wong, P.K., S. Yusof, H.M. Ghazali and Y.B. Che Man. 2002. Physico-chemical Characteristics of Roselle (*Hibiscus sabdariffa* L.). *Nutrition & Food Science*. 32(2): 68-73
- Yaronskaya, E., I. Vershilovskaya, Y. Poers, A.E. Alawady, N. Averina and B. Grimm. 2006. Cytokinin effects on tetrapyrrole biosynthesis and photosynthetic activity in barley seedlings. *Planta*. 224: 700-709
- Zhang, Y. 2012. *Ascorbic Acid in Plants: Biosynthesis, Regulation and Enhancement*. New York: Springer. pp. 1-3