

DAFTAR PUSTAKA

- Agrios GN. 1996. *Ilmu Penyakit Tumbuhan* (Terjemahan Munzir Busnia). Yogyakarta (ID): Gajah Mada University Press.
- Arjenaki, F., R. Jabbari & A. Morshedi. 2012. Evaluation of drought stress on relative water content, chlorophyll content and mineral elements of wheat (*Triticum aestivum* L.) varieties. *International Journal of Agriculture and Crop Sciences*.
- Arsyad, A. 2012. Pemupukan Kelapa Sawit Berdasarkan Potensi Produksi Untuk Meningkatkan Hasil Tandan Buah Segar (Tbs) Pada Lahan Marginal Kumpeh. *Media Sains*, 14 (1): 29-36.
- Ashari, S., 1995. *Hortikultura Aspek Budidaya*. UI Press, Jakarta.
- Bosabalidis, A.M dan G. Kofidis. 2002. Comparative Effects of Drought Stress on Leaf Anatomy of Two Olive Cultivars. *Plant science*, 163: 375-379.
- Buckman, H.O. dan N.C. Brandy. 1992. *Ilmu Tanah*. Brata Karya Aksara. Jakarta.
- Calliman, J.P. & A. Southworth (1998). Effect of drought and haze on the performance of oil palm. *In Proc.Int. Oil Palm. Conf.*, Bali, September 23-25, 1998. Medan, Indonesian Oil Palm Research Institute, 1999. p. 250-274.
- Campbell NA, Reece JB, Mitchell LG (2003) *Biologi*. Jilid ke-dua. Edisi ke-lima. Erlangga, Jakarta.
- Efendi R (2009) *Metode dan karakter seleksi toleransi genotipe jagung terhadap cekaman kekeringan*. Tesis. FMIPA, Bogor.
- Estiti, B. H. 1995. *Anatomi Tumbuhan Berbiji*. Bandung: Penerbit ITB.
- Fauzi, Y., Yuanita, E. W., Imam, S. dan Rudi, H. 2002. *Kelapa Sawit (Edisi Revisi)*. Penebar Swadaya. Jakarta.
- Fauzi, Y., Y.E.Widyastuti., I.Satyawibawa, and R.H. Paeru. 2006. *Kelapa Sawit: Budidaya Pemanfaatan Hasil dan Limbah Analisis Usaha dan Pemasaran*. Ed revisi. Jakarta (ID). Penebar Swadaya. 168p.
- Farooq, M., A. Wahid, N. Kobayashi, D. Fujita, and S.M.A. Basra. 2009. Plant Drought Stress : Effects, Mechanisms, And Management. *Agro Sustain* 29: 185-212.
- Fenta, B.A., S.E, Beebe, K.J. Kunert, J.D. Burrige, K.M. Barlow, J.P. Lynch, C.H. Foyer. 2014. Field phenotyping of soybean roots for drought stress tolerance. *Agronomy*. 4:418-435.

- Gardner, F. P., R. Brent Pearce & Goger L Mitchell. 1991. The physiology of cultivated plants (Fisiologi Tanaman Budidaya, alih bahasa H. Susilo). Universitas Indonesia Press, Jakarta : 421 p.
- Ginting, R. (2010). Pupuk Kalium Pada Bibit Kelapa Sawit. Yogyakarta: Graha Ilmu.
- Hartley, C. W. S. 1977. The Oil Palm. Longman Inc. New York. 806p.
- Havlin, J.L., S.L. Tisdale, J.D. Beaton, and W.L. Nelson. 2005. Soil Fertility and Fertilizers. Pearson Education, Inc., Upper Saddle River, NJ. 528p.
- Hardjowigeno, S. 2007. Ilmu Tanah. Akademika Pressindo. Jakarta. 288p.
- Hendrati, R.L. (2009). Developing systems to identify and deploy saline and waterlogging tolerant lines of *Eucalyptus occidentalis* Endl., (PhD Thesis). The University of Western Australia.
- Herawati, T dan R. Setiamihardja 2000, Diktat Kuliah Pemuliaan Bibit Lanjutan. Program Pengembangan Kemampuan Peneliti Tingkat S1 non Pemuliaan dan ilmu dan teknologi pemuliaan. Fakultas Pertanian, Universitas Padjajaran, Bandung.
- Hidayat, E.B. 1990. Dasar-dasar struktur dan perkembangan tumbuhan, Anatomi tumbuhan. ITB Press. Bandung.
- Intara, Y.S., A. Sapei, Erizal, N. Sembiring and M.H.B. Djoefrie. 2011. Pengaruh pemberian bahan organik pada tanah liat dan lempung berliat terhadap kemampuan mengikat air. Jurnal Ilmu Pertanian Indonesia. 16(2): 130135.
- Karimi, S., M. Rahemi, A. A. Rostami & S. Sedaghat. 2018. Drought effects on growth, water content and osmoprotectants in four olive cultivars with different drought tolerance. International Journal of Fruit Science.
- LAEGREID, M., O.C. BOCKMAN and O. KAARSTAD. 1999. Agriculture, Fertilizers and the Environment. CABI Publishing in Association with Norsk Hydro ASA.
- Lakitan, B. 1996. *Fisiologi pertumbuhan dan perkembangan bibit*. Jakarta : Rajawali Pers
- Lestari, E.G. 2006. Hubungan antara Kerapatan Stomata dengan Ketahanan kekeringan pada Somaklon Padi Gajahmungkur, Towuti dan IR 64. *Biodiversitas*, 7 (1): 44-48.
- Levitt, J. 1980. *Responses of Plants to Environmental Stresses. II Water, radiation, salt and other stresses*. 2nd Ed. Academic Press. New York.
- Lipiec, J., C. Doussan, A. Nosalewicz, and K. Kondracka. 2013. Effect Of Drought And Heat Stresses On Plant Growth And Yield : A Review. *International Agrophysiology* 27 : 463-447.

- Liu, X., Fan, Y., Long, J., Wei, R., Kjelgen, R., Gong, C. & Zhao, J. 2012. Effects of soils water and nitrogen availability on photosynthesis and water use efficiency of *Robinia pseudoacacia* seedlings. *Journal of Environmental Sciences*, 25 (3): 585-595.
- Lynch, J.P., K.M. Brown. 2012. New roots for agriculture: exploiting the root phenome. *Phil. Trans. R. Soc. B.* 367:1598-1604.
- Maestri, M., F.M. Da Matta, A.J. Regazzi & R.S. Barros (1995). Accumulation of proline and quaternary ammonium compounds in mature leaves of water stressed coffee plants (*Coffea arabica* and *C. canephora*). *J. Hort. Sci.*, 70(2), 229-233.
- Makbul, S., N.S. Guler, N. Durmus, S. Guven. 2011. Changes in anatomical and physiological parameters of soybean under drought stress. *Turk. J. Bot.* 35:369-377.
- Marchner, H. 2002. Mineral nutrition of higher plants. Academic, London.
- Mardiah, S. 2014. Pengaruh kekeringan dan pupuk organik terhadap anatomis dan pertumbuhan bibit padi gogo (*Oriza sativa* L. 'Situ Bagendit') pada tanah berkapur. Tesis, Universitas Gadjah Mada, Yogyakarta.
- Nio, S. A. 2011. Biomasa dan Kandungan Klorofil Total Daun Jahe (*Zingiber officinale* L.) yang Mengalami Cekaman Kekeringan. *Jurnal Ilmiah SAINS* 11: 190-195.
- Ningsih. (2011). *Jaringan Tumbuhan*. Jakarta: Erlangga.
- Ng, S.K., 1972. The Oil Palm, Its Culture, Manuring dan Utilisation. International Potash Institute, Switzerland. 142 p.
- Pahan, I. 2008. *Panduan Lengkap Kelapa Sawit: Manajemen Agribisnis Dari Hulu Hingga Hilir*, Penebar Swadaya, Bogor.
- Palupi ER, Dedywiryanto Y (2008) Kajian karakter toleransi cekaman kekeringan pada empat genotipe bibit kelapa sawit (*Elaeis guineensis* Jacq). *Bul Agron* 36(1): 24-32.
- Prajapati, K dan H.A Modi. 2012. The Important of Potasium in Plant Growth ; a review. *Indian Journal of Plant Sciences*, Vol 1 (02-03).
- Pratiwi, R. 2014 . Mengenal sifat tanah masam gambut dan tanah masam Ultisol. Balai Besar Pelatihan Pertanian Lembang. Jawa Barat.
- Passioura, JB (2002) Environmental biology and crop improvement. *Func Plant Biol* 29:537-546.
- Pena-Valdivia, C.B., A.B. Sanchez-Urdaneta, J.M. Rangel, J.J. Munoz, R. Garcia-Nava, R.C. Velazquez. 2010. Anatomical root variations in response to water

- deficit: wild and domesticated common bean (*Phaseolus vulgaris* L.). *Biol. Res.* 43:417-427.
- Prihastanti, E. 2010. Perubahan struktur pembuluh xilem akar kakao (*Theobroma cacao* L.) dan *Gliricidia sepium* pada cekaman kekeringan. *BIOMA.* 12:24-28.
- Romero-Aranda R, Brondada BR, Syversten JP, Grosser JW. 1997. Leaf characteristics and net gas exchange of diploid and autotetraploid citrus. *Annals of Bot.* 79:153-160.
- Rosanti, P., M. Ghulamandhi & N. Khumaida. 2015. Respon anatomi dan fisiologi akar kedelai tercekam kekeringan. *Jurnal Agronomi Indonesia* 43 (3) : 186-192 (2015).
- Salisbury, F. B. & C. W. Ross. 1992. *Plant physiology.*
- Schwartzkopf C. 1972. *Potassium, calcium, magnesium-how they relate to plant growth* mid-continent agronomis, us green section role of potassium in crop establishment from agronomis of the pothas & phosphate institute.
- Sinaga, R. 2008. Analisis Model Ketahanan Rumput Gajah dan Rumput Raja akibat Cekaman Kekeringan berdasarkan Respons Anatomi Akar dan Daun. *Jurnal Biologi Sumatra*, 2 (1): 17-20.
- Soepardi, G. 1983. Sifat dan Ciri Tanah. Departemen Ilmu Tanah Fakultas Pertanian IPB. Bogor.
- Solichatun, E Anggarwulan, W Mudyantini. 2005. Pengaruh ketersediaan air terhadap pertumbuhan dan kandungan bahan aktif saponin bibit ginseng jawa (*Talinum paniculatum* Gaertn.). *Biofarmasi*, 3 (2): 47-51.
- Sperry, J.S., M.T. Tyree. 1988. Mechanism of water stressinduced xilem embolism. *Plant Physiol.* 88:581-587.
- Susanti. (2010). *Biologi tumbuhan.* Bandung: Intan Pariwara.
- Sutrian, Y. 2004. Pengantar Anatomi Tumbuh-tumbuhan. Jakarta: Rineka Cipta.
- Syahputra, E. dkk. 2011. *Weeds Assessment* Di Perkebunan Kelapa Sawit Lahan Gambut. *J. Tek. Perkebunan & PSDL* 1 (1): 37-42.
- Tim Ilmu Tanah dan Agronomi. 2016. Fakta tentang patah pelepah pada kelapa sawit. PPKS note edisi Maret. Pusat Penelitian Kelapa Sawit: Medan.
- Thomas TC and Thomas AC (2009). Vitale role of potassium in the osmotic menhanism of stomata aperture modulation and its link with potassium deficiency. *Plant Signal Behavior* 4(3) 240-243.

Tyree, M.T., S. Salleo, A. Nardini, M.A.L. Gullo, R. Mosca. 1999. Refilling of embolized vessels in young stems of laurel. Do we need a new paradigm?. *Plant Physiol.* 82:597-599.

Von Uexkull, H.R. and T.H. Fairhurst. 1991. Fertilizing for High Yield and Quality. *The Oil Palm*. IPI, Bern, 79 p.