DAFTAR PUSTAKA

Abdul Rohman. 2007. *Kimia Farmasi Analisis*. Yogyakarta: Pustaka Pelajar.

Akiyama, T., Goto, H., Nawawi, D. S., Syafii, W., Matsumoto, Y., & Meshitsuka, G. 2005. Erythro/threo Ratio of ß-O-4, Structures as an important structural cgaracteristic of lignin. Part 4: Vriation in the erythro/threo ratio in softwood and hardwood lignis and its relation to syringyl/guaiacyl ratio. *Holzforschung*, 59,276-281.

Arpinaini. Sumpono, Yahya. R. 2017. *Studi Komponen Kimia Pelepah Sawit Varietas Tenera dan Pengembangannya Sebagai Modul Pembelajaran Kimia*. Pascasarjana Pendidikan IPA. Universitas Bengkulu. 1(1): 9.

Boon J.G., Hashim R., Sulaiman O., Sugimoto T., Sato M., Salim N., Amini M.H.M., Izaida Nor., Fatimah M.R. Siti. 2017. Infortance of lignin on the properties of binderless particleboard made from oil palm trunk. ARPN Journal of Engineering and Applied Sciences. 12(1): 33-40.

Borges, L., Alves, S., Sampaio, B., Conceicao, E., Bara, M., & Paula, J. (2013). Environmental factors affecting the concentration of phenolic compounds in Myrcia tomentosa leaves. *Brazilian Journal of Pharmacognosy, 23*(2), 230-238. doi:10.1590/S0102- 695X2013005000019.

Browning. 1967. Methods of Wood Chemistry Vol I. Interscience Publisher: New York. pp. 397.

Chirinos, R., Betalleluz-Pallardel, I., Huaman, A., Arbizu, C., Pedereschi, R., & Campos, D. 2009. HPLC-DAD *characterization of phenolic compounds from Andan ocu (Oxalis tuberosa Mol.)*. Food Chemical 113: 1243-1251

Direktorat Jenderal Kehutanan 1976. *Vedemecum Kehutanan Indonesia*. Dirjen Kehutanan Jakarta.

Direktorat Jenderal Perkebunan. 2018. *Statistik Perkebunan Kelapa Sawit Indonesia 2015-2075*. Direktorat Jenderal Perkebunan. Kementrian Pertanian. Jakarta.

Fauzi, Yan., Yustina, E.W., Iman, S dan Rudi, H.P. 2012. *Kelapa Sawit (Budidaya pemanfaatan hasil dan limbah, analisis usaha dan pemasaran)*. Penebar Swadaya. Jakarta.

Fengel, D & Wegener, G. 1995. *Kayu kimia Ultrastruktur dan Reaksi – reaksi. Penerjemah H. Sastrohamdjojo*. Gadjah Mada University Press. Yogyakarta.

Fernández, V., & Brown, P. H. 2013. From plant surface to plant metabolism: the uncertain fate of foliar-applied nutrients. Frontiers in plant science, 4, 289.

Fernandez, V, Sotiropoulus, T, Brown, P. 2013. Foliar Fertilization: Scientic Principles and Field Practices. International Fertilizer Industry Association (IFA) Paris, France

Fernandez, V, Paula Guzman, Courtney A.E. Pierce, Therese M.McBeth, Mohamed Khayet, Mike J.McLaughlin. 2014. Effect of Wheat Phosporus Status on Leaf Surface Properties and Permeability to Foliar-Applied Phosporus. Plant and Soil.

Fernandes, F.H.A, & Salgado, H. 2016. Gallic acid: *Review of the methods of determination and quantification*. Analytical Chemistry 46(3): 257-265.

GAPKI. 2018. "*Perkembangan Mutakhir Industri Minyak Sawit Indonesia."* Diakses pada 11 Mei 2019. https://gapki.id/news/3971/perkembangan-mutakhir-industri-minyak-sawit-indonesia.

Ghasemzadeh, A., & Ghasemzadeh N. (2011). Flavonoids and phenolic acids: Role and biochemical activity in plants and human. *Journal of Medicinal Plants Research, 5*(31), 6697-6703. doi: 10.5897/JMPR11.363

Hardjowigeno, S. 2002. *Ilmu tanah*. IPB Bogor.

Harmsen, P. F. H., Huijgen, W., Bermudez, L., & Bakker, R. 2010. Literature review of physical and chemical pretreatment processes for lignocellulosic biomass (No. 1184). Wageningen UR Food & Biobased Research.

Hartono. 2002. *Budidaya Pemanfaatan Hasil dan Limbah Analisis Usaha dan Pemasaran*. Http: // ditjenbpbun. Deptan.Go.id, Diakseskan Tanggal 13 April 2018

Haygeen, JG dan J.L. Bowyer. 1996. Forest Product and Wood Science : An introduction (Terjemahan). Gadjah Mada University Press. Yogyakarta..

Huang, D., Ou, B., & Prior, R.L. 2005 *The chemistry behinda antioxidant capacity assays*. Juournal of Agricultural and Food Chemistry 53: 1841-1856.

Intara, Yzid Ismai dan DYAH P, Banun.2012. *Studi Sifat Fisik dan Mekanik Parenkhim Pelepah Daun Kelapa Sawit Untuk Pemanfaat Sebagai Bahan Anyaman*. Agrointek 6(1) : 36-44.

Jeffree, C.E.2006. The fine structure of the plant cuticle. *In* Biologi of the Plant Cuticle. Vol.23. M.M.C. Riederer, editor. 11-125.

Kamaliah. 2016. *Pengaruh Umur Tanaman dan Posisi Pelepah terhadap Komponen Kimia Tanaman Kelapa Sawit (Elaeis Guineensis*). Jurnal Teknik Lingkungan. Universitas Muhammadiyah Palangkaraya 1(1): 23-28.

Kamke FA, Lee JN.2007 Adhesive penetration in wood: a review. *Wood and Fiber Science.* 39(2): 205-220.

Khoddanimi, A., Wilkes, M.A., & Roberts, T.H. 2013. *Techniques for analysis of plant phenolic compounds.* Molecules 18(2): 2328-2375.

Lubis, A.U. 2008. *Kelapa Sawit (Elaeis guineensis jacq) di Indonesia*, Pusat Penelitian Kelapa Sawit. Medan.

Luo ZB, Polle A. 2009. Wood composition and energy content in a poplar short rotation plantation on fertilized agricultural land in a future CO_2 atmosphere Global Change Biology 15 38–47.

Pahan, Iyung. 2013. *Panduan Lengkap Kelapa Sawit*. Penebar Swadaya. Jakarta

Pitre FE, Pollet B, Lafarguette F, Cooke JEK, MacKay JJ, Lapierre C. 2007. *b* Effects of increased nitrogen supply on the lignification of poplar wood Journal of Agricultural and Food Chemistry 5510306–10314.

Mudyantini, W. 2008. *Pertumbuhan, Kandungan Selulosa, dan Lignin pada Rami (Boehmeria nivea L. Gaudich) dengan Pemberian Asam Giberelat (GA3)*. Jurnal Biodiversitas Volume 9, Nomor 4. Jurusan Biologi, FMIPA, Universitas Sebelas Maret (UNS) Surakarta.

Nunes, E, T. Quilho, dan Pereira. 1999. *Anatomy and Chemical Composition of Pinus Pinae L. bark*. Annals of Forestry Science 56: 479-484

Oktaviana, Prima Riska. 2010. "*Kajian Kurkumoid, Total Fenol, dan Aktivitas Antioksidan Ekstrak Temulawak pada Berbagai Teknik Pengeringan dan Proporsi Pelarut*". Skripsi. Fakultas Pertanian UNS

Pei-Lang AT, Mohamed AMD, Karim AA. 2006. Sango Starch and Composition of Associated Components in Palm of Different Growth Stages. *Carbohydr. Polymer* 63 :283-286.

Pradana MA, Ardhyananta H, Farid M. 2017. *Pemisahan Selulosa dari Lignin Serat Tandan Kosong Kelapa Sawit dengan Proses Alkalisasi untuk Penguatan Bahan Komposit Penyerap Suara*. *Jurnal Teknik ITS*. (6)2: 413-414.

Rivai, H. 1995..Asas Pemeriksaan Kimia. Jakarta : Penerbit Universitas Indonesia.

Rowell, R, Petersen R, Han JS, Rowell JS, Tshabalala MA. 2005. Preparation of Alpha-cellulose (Determination of Hemicelluloses). Handbook of Wood Chemistry Composites. CRC Press. Pp 63-64.

Sastosayono, S. 2003. *Budidaya Kelapa Sawit*, AgroMedia Pustaka, Jakarta.

Seta, A.K., 2012. *Konservasi Sumber Daya Tanah dan Ai*r. Bandung: Penerbit Kalam Mulia.

Setyamidjaja, D., 2006. *Kelapa Sawit Teknik Budidaya, Panen dan Pengolahan*. Kanisius, Yogyakarta.

Siau, JF. 1971. Flow in Wood. Syracause University Press, New York.

Sitompul, S. M. dan Guritno, B. 1995. *Analisis Pertumbuhan Tanaman*. UGM Press: Yogjakarta.

Sjostrom, E. 1995. *Kimia kayu: Dasardasar dan Penggunaan*. Edisi 2. Sastrohamidjojo H, penerjemah. Yogyakarta: UGM Press. Terjemahan dari: *Wood Chemistry: Fundamentals and Applications*.

Standar Nasional Indonesia (SNI). 2008. *Cara Uji Kadar Lignin Pulp dan Kayu (Metode Klason*). (SNI 0492-2008). Badan Standardisasi Nasional.

Suharta, N. dan B.H. Prasetyo. 2008. Susunanmineral dan sifat fisiko-kimia tanah bervegetasi hutan dari batuan sedimen masam di Provinsi Riau. Jurnal Tanah dan Iklim 28: 1−14.

Sumarmono Juni. 2012. *Pengukuran Keempukan daging dengan penetrometer*. Laboratorium Teknologi Hasil Ternak, Fakultas Peternakan UNSOED Purwokerto Email: masjuni@gmail.com (revisi Mei 2012).

Sunarko. 2007. *Petunjuk Praktis Budi daya dan Pengolahan Kelapa Sawit*, AgroMedia Pustaka, Jakarta.

Tsoumis G. T. 1991. Science and Technology of Wood Structure, Properties, Utilization. Van Nostrand Reinhold New York.

Wardani, L. 2015. *Pemanfaatan Pelepah Sawit Sebagai Bahan Baku Papan Zephyr*. [Desertasi}. Bogor : Institusi Pertanian Bogor.

Waterhouse, A L 2002. Polyphenolics: determination of total phenolics. *Current Protocols in Food Analytical Chemistry* (Wrolstad, R E ed.). John Wiley and Sons, Inc., New York. p.1-4.

Xu, B. J., Chang, S. K. C. 2007: A Comparative study on phenolic profiles and antioxidant activities of legumes as affected by extraction solvents, J. Food Sci. 72 (2): 159-166. https://doi.org/10.1111/j.1750- 3841.2006.00260.x.