

## DAFTAR PUSTAKA

- Adiwinata, J. dan Brogdon, B.N. (2011) "A review of deresinators as digester additives for kraft pulping," in *2011 TAPPI PEERS Conference*, hal. 740–759.
- Allen, L. dkk. (2005) "Improved deresination during oxygen delignification. Part II: Effects of blended surfactant addition," *Pulp and Paper Canada*, 106(2), hal. 41–43.
- Amidon, T.E. (1981) "Effect of the wood properties of hardwoods on kraft paper properties," *TAPPI Journal*, 64, hal. 123–126.
- Amini, M.H.M. dkk. (2017) "Chemical composition of small diameter wild Acacia mangium species," *ARPJ Journal of Engineering and Applied Sciences*, 12(8), hal. 2698–2702.
- Anonim (1976) *Vademecum Kehutanan Indonesia*. Diedit oleh D.J. Kehutanan. Yogyakarta.
- Anonymous (2015) *Dirt in pulp – Chart method, TAPPI/ANSI T 213 om-15*. TAPPI/ANSI T 213 om-15.
- Ardina, V. dkk. (2018) "Active alkali charge effect on kraft pulping process of Acacia mangium and Eucalyptus pellita," in *International Conference on Science and Applied Science (ICSAS)*. American Institute of Physics, hal. 1–6.
- Aremu, M.O., Rafiu, M.A. dan Adedeji, K.K. (2015) "Pulp and paper production from Nigerian pineapple leaves and corn straw as substitute to wood source," *International Research Journal of Engineering and Technology*, 2(4), hal. 1180–1188.
- Arisandi, R. dkk. (2020) "Lipophilic extractives of the wood and bark from Eucalyptus pellita F. Muell grown in Merauke, Indonesia," *Journal of Wood Chemistry and Technology*, 40(2), hal. 146–154.
- Asif, J.M., Seong, S.O. dan Wickneswari, R. (2018) "Characterization of mean stem density, fibre length and lignin from two Acacia species and their hybrid," *Journal of Forestry Research*, 29(2), hal. 549–555.
- Astuti, S., Yahya, R. dan Sundaryono, A. (2018) "Analisis kadar komponen kimia pelepah sawit varietas dura sebagai bahan baku pulp yang diterapkan pada

pembelajaran kimia,” *PENDIPA Journal of Science Education*, 2(1), hal. 69–75.

Back, E.L. dan Allen, L.H. (2000) *Pitch control, wood resin and deresination*. TAPPI Press.

Bajpai, P. (2010) “Overview of pulp and papermaking processes,” in *Environmentally Friendly Production of Pulp and Paper*. Wiley & Sons, Inc., hal. 8–45.

Baptista, C., Belgacem, N. dan Duarte, A.P. (2004) “The effect of surfactants on kraft pulping of Pinus pinaster,” *Appita Journal*, hal. 35–39.

Baptista, C., Robert, D. dan Duarte, A.P. (2006) “Effect of pulping conditions on lignin structure from maritime pine kraft pulps,” *Chemical Engineering Journal*, 121(2–3), hal. 153–158.

Bassa, A.G.M.C. dkk. (2006) “The effect of alkali charge on Eucalyptus spp. kraft pulping,” in *2006 TAPPI Engineering, Pulping and Environmental Conference Proceedings*.

Batchelor, B.K., Crawford, I. dan Turner, C.H. (1970) “The assessment of a forest for pulping,” *APPITA, Melbourne*, 24(1), hal. 27–44.

Benouadah, N. dkk. (2018) “Analysis of extractives from Pinus halepensis and Eucalyptus camaldulensis as predominant trees in Algeria,” *Holzforschung*, 72(2), hal. 97–104.

Bergelin, E. dan Holmbom, B. (2008) “Reactions and distribution of Birch extractives in kraft pulp oxygen delignification,” *Journal of Wood Chemistry and Technology*, 28, hal. 261–269.

Berglund, J. (2012) *Resin profile in a bleached kraft pulp process*. Royal Institute of Technology.

Biermann, C.J. (1996) *Handbook of pulping and papermaking*. Second Edi. Oregon: Academic Press.

Borchardt, J.K. dkk. (1998) “Environmental aspects of alcohol ethoxylates in pulp and paper mills. Part 1. Surfactant chemical structure effects,” in *TAPPI 1998 Environmental Conference Proceedings*. Atlanta: TAPPI PRESS, hal. 495.

Borchardt, J.K., Blancalana, R.P. dan Mahoney, C.. (1997) “Improved deresination agents: Laboratory and mill results,” in *TAPPI 1997 Pulping Conference Proceedings*. Atlanta: TAPPI PRESS, hal. 395.

- Bouchard, J. *dkk.* (2003) "Improved deresination during oxygen delignification," *Pulp and Paper Canada*, 104(3).
- Casey, J.P. (1952) *Pulp and paper: Volume 2: Properties of paper and converting*. New York: Interscience Publishers.
- Casey, J.P. (1980) *Pulp and paper, chemistry and chemical technology*. Third Edit. New York: John Wiley and Sons.
- Cates, D.H. *dkk.* (1995) "Comparison of effluents from TCF and ECF bleaching of kraft pulps," *TAPPI Journal*, 78(12), hal. 93–98.
- Chan, J.M., Walker, J.C.F. dan Raymond, C.A. (2012) "Variation in green density and moisture content of radiata pine trees in the Hume region of New South Wales," *Australian Forestry*, 75(1), hal. 31–42.
- Chaudary, R.C. (1984) *Introduction to plant breeding*. Calcuta.
- Chen, G.C. (1994) "Application of a surfactant as a kraft pulping additive," *TAPPI Journal*, 77(2), hal. 125.
- Colodette, J.L. *dkk.* (2005) "Progress in Eucalyptus kraft pulp bleaching," in *2nd International Colloquium on Eucalyptus Pulp*, hal. 1–18.
- Covarrubias, R.M. dan Liputra, B. (2008) "Methods to control lipophilic extractives in Acacia wood pulp and fiber."
- Dai, Q. (2001) *Influence of extractives on the bleachability of batch extended delignified kraft pulps*. North Carolina State University.
- Daud, Z. *dkk.* (2014) "Exploring of agro waste (pineapple leaf, corn stalk, and napier grass) by chemical composition and morphological study," *BioResources*, 9(1), hal. 872–880.
- Dean, G.H. (1995) "Objectives for wood fibre quality and uniformity," *Eucalypt Plantations: Improving Fibre Yield and Quality. Proc. CRC-IUFRO Conf.*, hal. 5–9.
- Dinwoodie, J.M. (1965) "The relationship between fiber morphology and paper properties: A review of literature," *TAPPI Journal*, 48(8), hal. 440–447.
- Duggirala, P.Y. (1999a) "Evaluation of surfactant technology for bleachable and high yield hardwood kraft pulps," *Appita Journal*, 52(4), hal. 305.
- Duggirala, P.Y. (1999b) "Evaluation of surfactants as digester additives for kraft softwood pulping," *TAPPI Journal*, 82(11), hal. 121.

- Duggirala, P.Y. (2000) "Surfactant based digester additive technology for kraft soft wood and hard wood pulping," *Appita Journal*, 53(1), hal. 41–48.
- Duggirala, P.Y. dan Svarz, J.J. (2006) "Method of deresinating pulp using alkyl alcohol alkoxylate surfactants." United States.
- Eklund, D. dan Lindström, T. (1991) "Paper chemistry: an introduction," hal. 305.
- Ekman, R. dan Helmbom, B. (2000) *The chemistry of wood resin. Pitch control, wood resin and deresination*, TAPPI Press. Atlanta: TAPPI Press.
- El-Hosseiny, F. dan Anderson, D. (1999) "Effect of fiber length and coarseness on the burst strength of paper," *TAPPI Journal*, (January), hal. 202–203.
- Eshkiki, R.B., Mortha, G. dan Lachenal, D. (2007) "A new method for the titration of free phenolic groups in pulps," *Holzforschung*, 61(3), hal. 242–246.
- Farrell, R.L., Hata, K. dan Wall, M.B. (1997) "Solving pitch problems in pulp and paper processes by the use of enzymes or fungi," in Eriksson, K.E.L. (ed.) *Biotechnology in the Pulp and Paper Industry*. Heidelberg: Springer Berlin, hal. 197–212.
- Fengel, D. dan Wegener, G. (2011) "Wood: Chemistry, ultrastructure, reactions," *Wood: Chemistry, Ultrastructure, Reactions*, hal. 1–618.
- Fiskari, J. dan Drew, P. (2010) "The influence of digester additives on the control of extractives in Eucalyptus and Birch kraft pulp," in *XXI TECNICALPA Conference and Exhibition / VI CIADICYP*. Lisbon.
- Forsskahl, I., Olkkonen, C. dan Tyli, H. (1998) "Contribution of extractives to pulp ageing: Thermal degradation of some fatty resin and acid," in *Proc. 5th European Workshop on Lignocellulosics and Pulp*. Aveiro, hal. 171.
- Francis, A. dkk. (2014) "Disease progression in plantations of *Acacia mangium* affected by red root rot (*Ganoderma philippii*)," *Forest Pathology*, 44(6), hal. 447–459.
- Freire, C.S.R. dkk. (2006) "Comparative study of lipophilic extractives of hardwoods and corresponding ECF bleached kraft pulps," *BioResources*, 1(1), hal. 3–17.
- Freire, C.S.R., Silvestre, A.J.D. dan Neto, C.P. (2002) "Identification of new hydroxy fatty acids and ferulic acid esters in the wood of *Eucalyptus globulus*," *Holzforschung*, 56(2), hal. 143–149.

- Gellerstedt, G., Ek, M. dan Henriksson, G. (2009) "Wood chemistry and biotechnology," *Wood Chemistry and Biotechnology* [Preprint]. doi:10.1515/9783110213409/PDF.
- Glen, M. dkk. (2009) "Ganoderma and Amauroderma species associated with root-rot disease of *Acacia mangium* plantation trees in Indonesia and Malaysia," *Australasian Plant Pathology*, 38(4), hal. 345–356.
- Greaves, B.L. dan Borralho, N.G.. (1996) "The influence of basic density and pulp yield on the cost of *Eucalyptus* kraft pulping: a theoretical model for breeding," *Appita Journal*, 49, hal. 90–95.
- Gullichsen, J., Paulapuro, H. dan Fogelholm, C.-J. (2000) "Papermaking science and technology, Book 6B: Chemical pulping."
- Gutiérrez, A. dkk. (1998) "Analysis of lipophilic extractives from wood and pitch deposits by solid-phase extraction and gas chromatography," *Journal of Chromatography*, 823(1–2), hal. 449–455.
- Gutiérrez, A. dkk. (1999) "Chemical composition of lipophilic extractives from *Eucalyptus globulus* Labill. wood," *Holzforschung*, 53(5), hal. 481–486.
- Gutiérrez, A. dan del Río, J.C. (2005) "Chemical characterization of pitch deposits produced in the manufacturing of high-quality paper pulps from hemp fibers," *Bioresource Technology*, 96, hal. 1445–1450.
- Gutiérrez, A., Del Río, J.C. dan Martínez, A.T. (2009) "Microbial and enzymatic control of pitch in the pulp and paper industry," *Applied Microbiology and Biotechnology*, 82(6), hal. 1005–1018.
- Gutiérrez, A., del Río, J.C. dan Martínez, Á.T. (2011) "Fungi and their enzymes for pitch control in the pulp and paper industry," *Industrial Applications*, hal. 357–377.
- Hadipernata, M. dkk. (2005) "Efisiensi Proses Pemutihan Pulp Kraft RDH (Rapid Displacement Heating) dengan Metode ECF (Elemental Chlorine Free)," in *Prosiding Seminar Nasional Teknologi Inovatif Pascapanen untuk Pengembangan Industri Berbasis Pertanian*. Bogor: Institut Pertanian Bogor, hal. 772–784.
- Hai, P.H. (2009) *Genetic improvement of plantation-grown *Acacia auriculiformis* for sawn timber production*, Swedish University of Agricultural Sciences. Swedish University of Agricultural Sciences.
- Hale, J.D. (1959) "Physical and anatomical characteristics of hardwoods," *TAPPI Journal*, 42(8), hal. 670–677.

- Hamami, M. dan Semsolbahri, B. (2003) "Wood structures and wood properties relationship in planted Acacias: Malaysian examples," in *International Symposium on Sustainable Utilization of Acacia*. Kyoto, hal. 24–34.
- Hamzeh, Y. dkk. (2009) "Application of surfactants as pulping additives in soda pulping of bagasse," *BioResources*, 4(4), hal. 1267–1275.
- Haque, M.M., Aziz, M.I., dkk. (2019) "Pulping of hybrid Acacia planted in a social forestry program in Bangladesh," *Cellulose Chemistry and Technology*, 53(7–8), hal. 739–745.
- Haque, M.M., Uddin, M.N., dkk. (2019) "Pulpwood quality of the second generation Acacia auriculiformis," *Journal of Bioresources and Bioproducts*, 4(2), hal. 73–79.
- Hardiyanto, E.B. dan Nambiar, E.K.S. (2014) "Productivity of successive rotations of Acacia mangium plantations in Sumatra, Indonesia: Impacts of harvest and inter-rotation site management," *New Forests*, 45(4), hal. 557–575.
- Hart, P.W. (2011) "Production of high yield bleached hardwood kraft pulp: Breaking the kraft pulp yield barrier," *Tappi Journal*, 10(9), hal. 37–41.
- Haygreen, J.G. dan Bowyer, J.L. (1996) *Products and wood science: An introduction*. Third edit. Ames: Iowa University Press.
- Herlina, Istikowati, W.T. dan Fatriani (2018) "Analisis kimia dan serat pandan rasau (*Pandanus helicopus*) sebagai alternatif bahan baku pulp kertas," *Jurnal Sylva Scientiae*, 1(2), hal. 150–159.
- Heum, J.R. (2005) *Organic extractives in wood and paper pulp: Occurrence, properties and analyses*. Norway.
- Hillis, W.E. dan Sumimoto, M. (1989) "Effect of extractives on pulping," *Natural products of woody plants*, hal. 880–920.
- Ibnusantosa, G. (1994) *Teknologi proses pemutihan dengan ECF dalam industri pulp dan kertas di Indonesia*. Bandung.
- Ibrahim, Z. (1993) "Reproductive biology," in Awang, K. dan Taylor, D. (ed.) *Acacia mangium growing and utilization*. Bangkok: Winrock International and the Food and Agriculture Organization of the United Nations, hal. 21–30.
- Ibrahim, Z. dan Awang, K. (1991) "Flowering and fruiting phenology of Acacia mangium and Acacia auriculiformis in Peninsular Malaysia," in *Breeding Technologies for Tropical Acacias*. Canberra: ACIAR, hal. 37–45.



- Irianto, R.S.B. *dkk.* (2006) "Incidence and spatial analysis of root rot of *Acacia mangium* in Indonesia," *Journal of Tropical Forest Science*, 18(3), hal. 157–165.
- Jahan, M.S., Rawsan, S., *dkk.* (2008) "Alternative pulping process for producing dissolving pulp from jute," *BioResources*, 3(4), hal. 1359–1370.
- Jahan, M.S. dan Mun, S.. (2004) "Effect of tree age on the soda-anthraquinone pulping of *Nalita* wood (*Trema orientalis*)," *Journal of Industrial and Engineering Chemistry*, 10(5), hal. 766–771.
- Jahan, M.S., Sabina, R. dan Rubaiyat, A. (2008) "Alkaline pulping and bleaching of *Acacia auriculiformis* grown in Bangladesh," *Turkish Journal of Agriculture and Forestry*, 32, hal. 339–347.
- Johansson, D. dan Germgård, U. (2008) "Carbohydrate degradation during softwood kraft cooking – influence on cellulose viscosity, carbohydrate composition and hexenuronic acid content," *Nordic Pulp & Paper Research Journal*, 23(3), hal. 292–298.
- Jusoh, I., Zaharin, F.A. dan Adam, N.S. (2014) "Wood quality of *Acacia* hybrid and second-generation *Acacia mangium*," *BioResources*, 9(1), hal. 150–160.
- Kardiansyah, T., Marsoem, S.N. dan Nirsatmanto, A. (2018) *Dissolving pulp tiga klon akasia hibrida (Acacia mangium x Acacia auriculiformis) dari Wonogiri, Jawa Tengah*. Universitas Gadjah Mada.
- Kardiansyah, T. dan Sugesty, S. (2020) "Pengaruh alkali aktif terhadap karakteristik pulp kraft putih *Acacia mangium* dan *Eucalyptus pellita*," *Jurnal Selulosa*, 10(01), hal. 9.
- Kha, L.D. (2000) "Studies on natural hybrids of *Acacia mangium* and *A. auriculiformis* in Vietnam," *Journal of Tropical Forest Science*, 12(4), hal. 794–803.
- Kha, L.D. *dkk.* (2012) "Growth and wood basic density of *Acacia* hybrid clones at three locations in Vietnam," *New Forests*, 43(1), hal. 13–29.
- Kijkar, S. (1992) *Handbook: vegetatif propagation of Acacia mangium x Acacia auriculiformis*. Saraburi: Saraburi (Thailand) ASEAN, Canada Forest Tree Seed Center.
- Kim, N.T. *dkk.* (2008) "Variation in wood properties of six natural *acacia* hybrid clones in northern Vietnam," *Journal of Wood Science*, 54(6), hal. 436–442.

- Kim, N.T. *dkk.* (2009) "Possibility of improvement in fundamental properties of wood of Acacia hybrids by artificial hybridization," *Journal of Wood Science*, 55(1), hal. 8–12. doi:10.1007/s10086-008-0993-1.
- Kocurek, M.J. dan Stevens, F. (1983) *Pulp and paper manufacture*. Joint Textbook Committee of the Paper Industry.
- Kube, P.D. dan Raymond, C.A. (2002) "Prediction of whole-tree basic density and pulp yield using wood core samples in Eucalyptus nitens," *Appita Journal*, 55(1), hal. 43–48.
- Laurito, J.M. (2011) "Cooking additive-agents to improve the impregnation," in *5th International Colloquium on Eucalyptus Pulp*. Bahia, hal. 1–14.
- López, D. *dkk.* (2004) "Pulp and paper from tagasaste (*Chamaecytisus proliferus* L.F. SSP. *Palmeri*)," *Chemical Engineering Research and Design*, 82(8), hal. 1029–1036.
- Mabilangan, I.C. dan Estudillo, C.P. (1996) "Philippines woods suitable for kraft pulping process," *Trade Bulletin*, 5, hal. 1–9.
- Macdonald, E. dan Hubert, J. (2002) "A review of the effects of silviculture on timber quality of Sitka spruce," *Forestry: An International Journal of Forest Research*, 75(2), hal. 107–138.
- Malinen, R.O. *dkk.* (2006) "Potential of Acacia species as pulpwood in Thailand," *Appita Journal*, 59(3), hal. 190–196.
- Manji, A.H. (1996) "Kraft pulping of coastal softwood from British Columbia using AQ and a digester additive," *TAPPI Journal*, 79(10), hal. 147–152.
- Marcus, A. (1998) "UK pulp and paper industry," *Paper and Packaging Analyst*, (34), hal. 20–30.
- Marsoem, S.N. (2004) *Pembangunan hutan tanaman Acacia mangium: Pengalaman di PT Musi Hutan Persada Sumatera Selatan*. 1 ed. Diedit oleh E.B. Hardiyanto dan H. Arisman. Yogyakarta.
- Marsoem, S.N. *dkk.* (2014) "Studi mutu kayu jati di hutan rakyat Gunungkidul. III. Sifat fisika kayu," *Jurnal Ilmu Kehutanan*, 8(2), hal. 75–88.
- Masendra *dkk.* (2018) "Lipophilic extractives of the inner and outer barks from six different Pinus species grown in Indonesia," *Journal of Forestry Research*, 29(5), hal. 1329–1336.



- Mészáros, E., Jakab, E. dan Várhegyi, G. (2007) “TG/MS, Py-GC/MS and THM-GC/MS study of the composition and thermal behavior of extractive components of *Robinia pseudoacacia*,” *Journal of Analytical and Applied Pyrolysis*, 79(1–2), hal. 61–70.
- Meuller, L. dkk. (2003) *ECF bleaching of softwood and Eucalyptus pulps - A comparative study*.
- Mishra, R.P. dkk. (2007) “Effect of surfactant application on pulping characteristics of mill chips and reduction in pollution load,” *IPPTA*, 19(1), hal. 61–66.
- Miyake, M. (1968) “Wood characteristics and kraft pulp properties of hardwood grown in Hokkaido,” *Japan TAPPI Journal*, 22(12), hal. 600–610.
- Mollabashi, O.G., Saracian, A.R. dan Resalati, H. (2011) “The effect of surfactants application on soda pulping of wheat straw,” *BioResources*, 6(3), hal. 2711–2718.
- Murphy, L.E. dan D’Addieco, A.A. (1946) “Chlorite holocellulose , its fractionation and bearing on studies on the hemicelluloses,” *Paper Trade Journal*, 122(2), hal. 35–43.
- Nambiar, E.K.S., Harwood, C.E. dan Mendham, D.S. (2018) “Paths to sustainable wood supply to the pulp and paper industry in Indonesia after diseases have forced a change of species from *Acacia* to *Eucalypts*,” *Australian Forestry*, hal. 1–14.
- Nawawi, D.S. dkk. (2017) “Characteristics and reactivity of lignin in *Acacia* and *Eucalyptus* woods,” *Journal of Wood Chemistry and Technology*, 37(4), hal. 273–282.
- Nikles, D.G. dkk. (1998) “Management and use of ex situ genetic resources of some tropical *Acacias* species in Queensland,” in *ACIAR Proceedings*. Canberra.
- Old, K.M. dkk. (2000) *A manual of diseases of tropical acacias in Australia, South-East Asia and India, A manual of diseases of tropical acacias in Australia, South-East Asia and India*. Jakarta: Center for International Forestry Research.
- Oliveira, G.R.A. dkk. (2020) “Characterizing the chemical composition of lipophilic extracts from *Acacia mearnsii* wood,” *Journal of the Brazilian Chemical Society*, 31(2), hal. 341–350.
- Oluwadare, A.O. (1998) “Evaluation of the fibre and chemical properties of some selected Nigerian wood and non-wood species for pulp production,” *Journal of Tropical Forest Resources*, 14, hal. 110–119.

- Ona, T. *dkk.* (2001) "Investigation of relationships between cell and pulp properties in Eucalyptus by examination of within-tree property variations," *Wood Science and Technology*, 35(3), hal. 229–243.
- Osadare, A.O. (2001) *Basic wood and pulp properties of Nigerian-grown Caribbean pine (Pinus caribaea Morelet) and their relationship with tree growth indices*. University of Ibadan.
- Panshin, J. dan de Zeeuw, C. (1980) *Textbook of wood technology*. 4th Editio. New York: McGraw-Hill.
- Parthasarathy, V.R. *dkk.* (1996) "A sulfur-free, chlorine-free alternative to kraft pulping," *TAPPI Journal*, 79(6), hal. 140–146.
- Patil, S.J. *dkk.* (2012) "Growth and productivity of Acacia mangium clones on shallow red soil," *Karnataka Journal of Agricultural Science*, 25(1), hal. 94–95.
- Pereira, H., Graca, J. dan Rodrigues, J.C. (2003) "Wood chemistry in relation to quality," in Barnett, J.R. dan Jeronimidis, G. (ed.) *In Wood Quality and Its Biological Basis*. Blackwell. Oxford, hal. 53–86.
- Phiong, S.K., Liew, K.C. dan Chong, W.N.E. (2014) "Effect of refining on organosolv Acacia hybrid pulp fibres and handsheets properties," *Agriculture & Forestry*, 60(3), hal. 187–195.
- Pietarinen, S. *dkk.* (2005) "Bioactive phenolic substances in important tree species. Part 3: Knots and stemwood of Acacia crassicaarpa and Acacia mangium," *Holzforschung*, 59(1), hal. 94–101.
- Pietarinen, S., Willfor, S. dan Holmbom, B. (2004) "Wood resin in Acacia mangium and Acacia crassicaarpa wood and knots," *Appita Journal*, 57(2), hal. 6.
- Pinso, C. dan Nasi, R. (1991) *The potential use of Acacia mangium and Acacia auriculiformis in Sabah*. Canberra.
- Qin, M. *dkk.* (2012) "Analysis of lipophilic extractives in Populus x Euramericana 'Neva,'" *Cellulose Chemistry and Technology*, 46(9–10), hal. 533–539.
- Qin, M., Hannuksela, T. dan Holmbom, B. (2003) "Physico-chemical characterisation of TMP resin and related model mixtures," *Colloids and Surfaces A: Physicochemical and Engineering Aspects*, 221(1–3), hal. 243–254.

- Ragnar, M. dan Lindström, M. (2004) "A comparison of emerging technologies: Hot chlorine dioxide bleaching versus hot acid treatment," *Paperi ja puu*, 86(1), hal. 39–44.
- Ramnath, L., Sithole, B. dan Govinden, R. (2018) "The effects of wood storage on the chemical composition and indigenous microflora of Eucalyptus species used in the pulping industry," *BioResources*, 13(1), hal. 86–103.
- del Río, J.C., Romero, J. dan Gutiérrez, A. (2000) "Analysis of pitch deposits produced in kraft pulp mills using a totally chlorine free bleaching sequence," *Journal of Chromatography*, 874(2), hal. 235–245.
- del Río, J.C. dkk. (1998) "Characterization of organic deposits produced in the kraft pulping of Eucalyptus globulus wood," *Journal of Chromatography A*, 823, hal. 457–465.
- Rufelds, C.W. (1988) *Acacia mangium and Acacia auriculiformis and hybrid A. mangium x A. auriculiformis*. 41. Sabah.
- Sadiku, N.A. dan Abdukareem, K.A. (2019) "Fibre morphological variations of some Nigerian Guinea savannah timber species," *Maderas, Ciencia y Tecnologia*, 21(2), hal. 239–248.
- Saleem, M. dan Akhtar, M. (2002) "Biobleaching of kraft pulp by xylanase produced by *Bacillus subtilis*," *International Journal of Agriculture and Biology*, 4(2), hal. 242–244.
- Samariha, A. dan Khakifirooz, A. (2011) "Application of NSSC pulping to sugarcane bagasse," *BioResources*, 6(3), hal. 3313–3323.
- Santos, A. dkk. (2012) "Influence on pulping yield and pulp properties of wood density of *Acacia melanoxylon*," *Journal Wood Science*, 58(August), hal. 479–486.
- Santos, R.B., Gomide, J.L. dan Hart, P.W. (2015) "Kraft pulping of reduced metal content Eucalyptus wood: Process impacts," *BioResources*, 10(4), hal. 6538–6547.
- Septiningrum, K. dan Sugesty, S. (2016) "Pengaruh penambahan xilanase pada proses pemutihan sistem elemental chlorine free (ECF)," *Jurnal Selulosa*, 3(1), hal. 15–26.
- Sharma, A.K. dkk. (2001) "Anatomical, morphological, and chemical characterization of *Bambusa tulda*, *Dendrocalamus hamiltonii*, *Bambusa balcooa*, *Malocana baccifera*, *Bambusa arundinacea*, and *Eucalyptus tereticornis*," *BioResources*, 6(4), hal. 5062–5073.

- Siagian, R.M. (1989) *Teknologi pemutihan pulp - Pengolahan pulp secara kimia*. Bogor.
- Siagian, R.M. dkk. (1999) “Pengaruh teknik pemutihan pulp sulfat terhadap mutu pulp dan limbah cair,” *Buletin Penelitian Hasil Hutan*, 17(2), hal. 77–88.
- Silvério, F.O., Barbosa, L.C.A., Maltha, C.R.A., dkk. (2007) “Characterization of lipophilic wood extractives from clones of *Eucalyptus urograndis* cultivate in Brazil,” *BioResources*, 2(2), hal. 157–168.
- Silvério, F.O., Barbosa, L.C.A., Silvestre, A.J.D., dkk. (2007) “Comparative study on the chemical composition of lipophilic fractions from three wood tissues of *Eucalyptus* species by gas chromatography-mass spectrometry analysis,” *Journal of Wood Science*, 53(6), hal. 533–540.
- Silvestre, A. dkk. (1999) “Chemical composition of pitch deposits from an ECF *Eucalyptus globulus* bleached kraft pulp mill: Its relationship with wood extractives and additives in process streams,” *Appita Journal*, 52(5), hal. 375–382.
- Sim, B.I. (1987) “Research on *Acacia mangium* in Sabah: a review,” in *ACIAR Proceedings1*. Queensland: International Workshop, Forestry Training Centre, hal. 164–166.
- Singh, S. dkk. (2019) “Review: the value of wood extractives from *Pinus radiata*,” *Appita Journal*, 72(2), hal. 70–81.
- Sjöström, E. (1993) *Wood chemistry, fundamentals and applications*. 2nd Edition. Academic Press.
- Soon, L.K. dan Chiang, L.K. (2012) “Influence of different extraction solvents on lipophilic extractives of *Acacia* hybrid in different wood portions,” *Asian Journal of Applied Sciences*, 5(2), hal. 107–116.
- Suess, H.U. (2010) *Pulp bleaching today, Pulp Bleaching Today*. Walter de Gruyter GmbH and Co. KG.
- Sugesty, S., Kardiansyah, T. dan Hardiani, H. (2015) “Bamboo as raw materials for dissolving pulp with environmental friendly technology for rayon fiber,” *Procedia Chemistry*, 17, hal. 194–199.
- Sugesty, S., Kardiansyah, T. dan Pratiwi, W. (2015) “Potensi *Acacia crassicarpa* sebagai bahan baku pulp kertas untuk hutan tanaman industri,” *Jurnal Selulosa*, 5(1), hal. 21–32.

- Suhartati, Rahmayanto, Y. dan Daeng, Y. (2014) “Dampak penurunan daur tanaman HTI Acacia terhadap kelestarian produksi, ekologis, dan sosial,” *Info Teknis Eboni*, 11(2), hal. 103–116.
- Sunarti, S. dkk. (2013a) “Breeding strategy of Acacia hybrid (Acacia mangium × Acacia auriculiformis) to increase forest plantation productivity in Indonesia,” *Jurnal Manajemen Hutan Tropika (Journal of Tropical Forest Management)*, 19(2), hal. 128–137.
- Sunarti, S. dkk. (2013b) “Variasi pertumbuhan tinggi klon hibrid Acacia (A. mangium x A. auriculiformis) umur 12 bulan di Wonogiri, Jawa Tengah,” *Jurnal Pemuliaan Tanaman Hutan*, 7(3), hal. 139–150.
- Sunarti, S. dkk. (2014) *Akasia hibrida (A. mangium x A. auriculiformis) varietas baru untuk bahan baku industri pulp dan kertas*. 1 ed. Diedit oleh M. Na’iem, Mahfudz, dan S.B. Prabawa. Bogor: IPB Press.
- Sunarti, S., Praptoyo, H. dan Nirsatmanto, A. (2016) “Karakteristik serat kayu hibrid Acacia auriculiformis x Acacia mangium sebagai bahan baku pulp,” *Jurnal Pemuliaan Tanaman Hutan*, 10(2), hal. 135–143.
- Syafii, W. dan Siregar, I.Z. (2006) “Sifat kimia dan dimensi serat kayu mangium (Acacia mangium Willd.) dari tiga provenans,” *Jurnal Ilmu dan Teknologi Kayu Tropis*, 4(1), hal. 28–32.
- Tarigan, M. dkk. (2011) “A new wilt and die-back disease of Acacia mangium associated with *Ceratocystis manginecans* and *C. acaciivora* sp. nov. in Indonesia,” *South African Journal of Botany*, 77(2), hal. 292–304.
- Tham, C.K. (1979) *Trial of Acacia mangium Willd. as a plantation species in Sabah*. 9.
- Wimmer, B.R. dkk. (2002) “Direct effects of wood characteristics on pulp and handsheet properties of *Eucalyptus globulus*,” *Holzforschung*, 56(3), hal. 1–10.
- Wingfield, M.J. dkk. (2008) “Eucalypt pests and diseases: Growing threats to plantation productivity,” *Southern Forests*, 70(2), hal. 139–144.
- Yahya, R. dkk. (2010) “Some anatomical features of an Acacia hybrid, A. mangium and A. auriculiformis grown in Indonesia with regard to pulp yield and paper strength,” *Journal of Tropical Forest Science*, 22(3), hal. 343–351.
- Yamada, N., Khoo, K.C. dan Yusoff, M.N.. (1992) “Sulphate pulping characteristic of Acacia hybrid, Acacia mangium, and Acacia auriculiformis from Sabah,” *Journal of Tropical Forest Science*, 4(3), hal. 206–214.

Yamamoto, K. *dkk.* (2003) “Moisture distribution in stems of *Acacia mangium*, *A. auriculiformis* and hybrid *Acacia* trees,” *Japan Agricultural Research Quarterly*, 37(3), hal. 207–212.

Zhang, L. *dkk.* (2010) “Phenolic extracts from *Acacia mangium* bark and their antioxidant activities,” *Molecules*, 15(5), hal. 3567–3577.