

DAFTAR PUSTAKA

- Abd El-Sayed, E. S., El-Sakhawy, M., & El-Sakhawy, M. A. M. (2020). Non-wood fibers as raw material for pulp and paper industry. *Nordic Pulp & Paper Research Journal*, 35(2), 215-230.
- Abdul Khalil, H. P. S., Bhat, A. H., & Yusra, A. F. I. (2012). Green composites from sustainable cellulose nanofibrils: A review. *Carbohydrate Polymers*, 87, 963–979.
- Abraham, E., Deepa, B., Pothan, L. A., Jacob, M., Thomas, S., Cvelbar, U., *et al.* (2011). Extraction of nanocellulose fibrils from lignocellulosic fibres: A novel approach. *Carbohydrate Polymers*, 1468–1475.
- Andaka Ganjar & Wijayant Dani (2019). Pemanfaatan Limbah Ampas Tebu untuk Memproduksi Pulp dengan Proses Soda. *ReTII*, 427-434.
- Andrade, M. F., & Colodette, J. L. (2014). Dissolving pulp production from sugar cane bagasse. *Industrial Crops and Products*, 52, 58-64.
- Aprianti, T. (2019, September). Utilization of sugarcane bagasse and banana midrib mixture as raw materials for paper making using acetosolve method. In *IOP Conference Series: Materials Science and Engineering* (Vol. 620, No. 1, p. 012020). IOP Publishing.
- Aprianti, T. (2019, September). Utilization of sugarcane bagasse and banana midrib mixture as raw materials for paper making using acetosolve method. In *IOP Conference Series: Materials Science and Engineering* (Vol. 620, No. 1, p. 012020). IOP Publishing.
- Aritonang, B., Ritonga, A. H., & Sinaga, E. M. (2019). Pemanfaatan Limbah Kulit Nenas Dan Ampas Tebu Sebagai Bahan Dasar Dalam Pembuatan Kertas Menggunakan Bahan Pengikat Pati Limbah Kulit Pisang Kepok. *Jurnal Kimia Saintek dan Pendidikan*, 3(2), 64-75.
- Bahri, S. (2017). Pembuatan pulp dari batang pisang. *Jurnal Teknologi Kimia Unimal*, 4(2), 36-50.
- Bahri, S., 2015, Pembuatan Pulp dari Batang Pisang, *Jurnal Teknologi Kimia Unimal*, November, Vol. 4, No. 2, 36- 50.
- Bansal, M., Chauhan, G. S., Kaushik, A., & Sharma, A. (2016). Extraction and functionalization of bagasse cellulose nanofibres to Schiff-base based antimicrobial

membranes. *International journal of biological macromolecules*, 91, 887-894.

Bhardwaj, N. K., Kaur, D., Chaudhry, S., Sharma, M., & Arya, S. (2019). Approaches for converting sugarcane trash, a promising agro residue, into pulp and paper using soda pulping and elemental chlorine-free bleaching. *Journal of Cleaner Production*, 217, 225-233.

Bian, H., Gao, Y., Luo, J., Jiao, L., Wu, W., Fang, G., Dai, H. (2019) Lignocellulosic nanofibrils produced using wheat straw and their pulping solid residue: From agricultural waste to cellulose nanomaterials. *Waste Manag.* 91:1–8

Bras, J., Hassan, M. L., Bruzesse, C., Hassan, E. A., El-Wakil, N. A., & Dufresne, A. (2010). Mechanical, barrier, and biodegradability properties of bagasse cellulose whiskers reinforced natural rubber nanocomposites. *Industrial Crops and Products*, 32(3), 627-633. <https://sci-hub.hkvisa.net/10.1016/j.indcrop.2010.07.018>Brienzo, M.; Siqueira, A.F.; Milagres, A.M.F. Search for optimum conditions of sugarcane bagasse hemicellulose extraction. *Biochem. Eng. J.* 2009, 46, 199–204.

Casey, J.P. Pulp and paper, chemistry and chemical technology, Vol. I, III edition. John Wiley and Sons, New York, 1980. pp. 152–155.

Chadijah, S., 2011 Kinetika Delignifikasi Sabut Kelapa dengan Proses Peroksidasi Alkali pada Pembuatan Pulp, *Jurnal Teknosains*, 5 (2) : 223-231.

Chadijah, St, and Ode Rustiah. 2013. “Pulp Rendemen Tinggi Dengan Proses Peroksida Alkali.” *Al Kimia*, 45–51.

Chen L *et al.* 2017 Rapid and near-complete dissolution of wood lignin at $\leq 80^{\circ}\text{C}$ by a recyclable acid hydrotrope. *Sci. Adv.* 3, e1701735. (doi:10.1126/sciadv.1701735)

Chen, W., Yu, H., Liu, Y., Chen, P., Zhang, M., & Hai, Y. (2011). Individualization of cellulose nanofibers from wood using high-intensity ultrasonication combined with chemical pretreatments. *Carbohydrate Polymers*, 83, 1804–1811.

Coniwanti, P., Anka, M. N. P., & Sanders, C. (2015). Pengaruh konsentrasi, waktu dan temperatur terhadap kandungan lignin pada proses pemutihan bubur kertas bekas. *Jurnal Teknik Kimia*, 21(3), 47-55.

De Campos, A., Correa, A. C., Cannella, D., de M Teixeira, E., Marconcini, J. M., Dufresne, A., ... & Sanadi, A. R. (2013). Obtaining nanofibers from curauá and sugarcane bagasse fibers using enzymatic hydrolysis followed by sonication. *Cellulose*, 20(3), 1491-1500.

- de Morais Teixeira, E., Bondancia, T. J., Teodoro, K. B. R., Corrêa, A. C., Marconcini, J. M., & Mattoso, L. H. C. (2011). Sugarcane bagasse whiskers: extraction and characterizations. *Industrial Crops and Products*, 33(1), 63-66.
- El-Sakhawy, M. (2005). Effect of bleaching sequence on paper ageing. *Polymer Degradation and stability*, 87(3), 419-423.
- El-Sakhawy, M., Awad, H. M., Madkour, H. M., El-Ziaty, A. K., Nassar, M. A., & Mohamed, S. A. (2018). Preparation and application of organophosphorus dimers as antimicrobial agents for bagasse packaging paper. *Cellulose Chem Technol*, 52(7-8), 655-662.
- El-Sakhawy, M., Awad, H. M., Madkour, H. M., El-Ziaty, A. K., Nassar, M. A., & Mohamed, S. A. (2016). Improving the antimicrobial activity of bagasse packaging paper using organophosphorus dimers. *International Journal of Technology*, 6, 932-942.
- El-Samahy, M. A., Mohamed, S. A., Rehim, M. H. A., & Mohram, M. E. (2017). Synthesis of hybrid paper sheets with enhanced air barrier and antimicrobial properties for food packaging. *Carbohydrate Polymers*, 168, 212-219.
- El-Shinawy, N. A., Basta, A. H., Yacoub, S. F., & Mohamed, S. H. (1998). Internal treatment of paper sheets from wood and bagasse pulps with polyvinyl alcohol. *Polymer-Plastics Technology and Engineering*, 37(2), 141-173.
- Fahmy, T. Y. (2017). Molasses as A New Additive in Papermaking: for Bagasse and Kaolin Filled Bagasse pulps. *Professional papermaking*, 1(14), 26-29.
- Fangmongkol, K., & Gheewala, S. H. (2020). Life cycle assessment of biodegradable food container from bagasse in Thailand. *Journal of Sustainable Energy & Environment*, 11, 61-69.
- Fariati, Ika. 2016. "Pengaruh Konsentrasi Larutan Pemasak Dan Lama Pemasakan Pada Proses Delignifikasi Campuran Pelepah Pisang (Musa Paradisiaca, Linn) Dan Tandan Kosong Kelapa Sawit (Elaeis Guineensis Jac) Untuk Pembuatan Pulp
- Feng, C., Du, J., Wei, S., Qin, C., Liang, C., & Yao, S. (2020). Effect of p-TsOH pretreatment on separation of bagasse components and preparation of nanocellulose filaments. *Royal Society open science*, 7(9), 200967.
- Ghaderi, M., Mousavi, M., Yousefi, H., & Labbafi, M. (2014). All-cellulose nanocomposite film made from bagasse cellulose nanofibers for food packaging application. *Carbohydrate polymers*, 104, 59-65.

- Gustriani, G., Chadijah, S., & Rustiah, W. O. (2013). Delignifikasi Ampas Tebu untuk Pembuatan Pulp Rendemen Tinggi dengan Proses Peroksida Alkali. *Al-Kimia*, 1(2), 45-51. <https://journal3.uin-alauddin.ac.id/index.php/al-kimia/article/download/1631/1588>
- El-Sherif, H. M., Nasser, A. M., Hussin, A. I., Abd El-Wahab, H., Ghazy, M. B. M., & Elsayed, A. E. (2016). Novel recycled brown paper coatings. *Egyptian Journal of Chemistry*, 59(6), 935-953.
- Hammett, A. L., Youngs, R. L., Sun, X., & Chandra, M. (2001). Non-wood fiber as an alternative to wood fiber in Chinas pulp and paper industry.
- Hamzeh, Y., Ashori, A., Khorasani, Z., Abdulkhani, A., & Abyaz, A. (2013). Pre-extraction of hemicelluloses from bagasse fibers: Effects of dry-strength additives on paper properties. *Industrial Crops and Products*, 43, 365-371.
- Hassan, M. L., Mathew, A. P., Hassan, E. A., El-Wakil, N. A., & Oksman, K. (2012). Nanofibers from bagasse and rice straw: process optimization and properties. *Wood science and technology*, 46(1), 193-205.
- Hidayati, S., & Zuidar, A. S. (2010). Kajian penggunaan asam perasetat untuk pemutihan terhadap sifat kimia pulp bagasse hasil organosolv. *Jurnal Agroekoteknologi*, 2(1).
- Ibrahim, A. A., Nada, A. M. A., El-Saied, H., & El-Ashmawy, A. E. (2005). Polyacrylamide as a filler retention aid for bagasse paper pulp. *Die Angewandte Makromolekulare Chemie: Applied Macromolecular Chemistry and Physics*, 127(1), 89-102
- Inoue, H., Yano, S., Endo, T., Sakaki, T., Sawayama, S., 2008. Combining hotcompressed water and ball milling pretreatments to improve the efficiency of the enzymatic hydrolysis of eucalyptus. *Biotechnol. Biofuels* 1 (1), 2–9.
- Kalyani, G. A., Vitha, C., Bo-Jung, L., Yong-Chien, (2006). Preparation and characterization of ZnO nanoparticles coated paper and its antibacterial activity study, *Green Chem.*, 8, 1034–1041.
- Khristova, P., Kordsachia, O., Patt, R., Karar, I., & Khider, T. (2006). Environmentally friendly pulping and bleaching of bagasse. *Industrial crops and products*, 23(2), 131-139.
- Kimura, S., Laosinchai, W., Itoh, T., Cui, X., Linder, C. R., & Brown, R. M. (1999). Immunogold labeling of rosette terminal cellulose-synthesizing complexes in the vascular plant *Vigna angularis*. *The Plant Cell Online*, 11, 2075–2085.

Kumirska, J., Weinhold, M.X., Thöming, J. and Stepnowski, P. (2011): Biomedical activity of chitin/chitosan based materials - influence of physicochemical properties apart from molecular weight and degree of N-acetylation, *Polymers* 3(4), 1875-1901.

Legiso, L., & Kalsum, U. (2018). PEMBUATAN PULP DARI AMPAS TEBU PROSES BLEACHING HIDROGEN PEROKSIDA. *Jurnal Distilasi*, 3(2), 33-38.

Legiso, L., & Kalsum, U. (2018). Pembuatan pulp dari ampas tebu proses bleaching hidrogen peroksida. *Jurnal Distilasi*, 3(2), 33-38.

Li, J., Wei, X., Wang, Q., Chen, J., Chang, G., Kong, L., ... & Liu, Y. (2012). Homogeneous isolation of nanocellulose from sugarcane bagasse by high pressure homogenization. *Carbohydrate polymers*, 90(4), 1609-1613.

Li, S. S., & Lee, L. C. (2011). Using fishbone analysis to improve the quality of proposals for science and technology programs. *Research Evaluation*, 20(4), 275-282.

Lies Indriati 1 , Hana Rachmanasari, Nina Elyani, Taufan Hidayat, Sonny Kurnia Wirawan. (2014). KAJIAN KARAKTERISTIK KERTAS UNTUK KEMASAN MAKANAN. Bandung. Seminar Teknologi Pulp dan Kertas

Mamaye, M., Kiflie, Z., Feleke, S., & Yimam, A. (2020). Evaluation of soda delignification and single-stage hydrogen peroxide bleaching for the Ethiopian sugarcane bagasse for paper production. *Sugar Tech*, 22(4), 706-717.

Manasikana, O. A. Andhika Mayasari, Noer Af'idah (2019). Pemanfaatan Limbah Kulit Jagung Dan Ampas Tebu Sebagai Kertas Kemasan Ramah Lingkungan. *Jurnal Zarah*, 7(2), 79-85.

Mandal, A., & Chakrabarty, D. (2011). Isolation of nanocellulose from waste sugarcane bagasse (SCB) and its characterization. *Carbohydrate Polymers*, 86(3), 1291-1299.

Mosier, N., Wyman, C., Dale, B., Elander, R., Lee, Y. Y., Holtzapple, M., & Ladisch, M. (2005). Features of promising technologies for pretreatment of lignocellulosic biomass. *Bioresource technology*, 96(6), 673-686.

Nassar, M. A., El-Sakhawy, M., Madkour, H. M., El-ziaty, A. K., & Mohamed, S. A. (2014). Novel coating of bagasse paper sheets by gelatin and chitosan. *Nordic Pulp & Paper Research Journal*, 29(4), 741-746.

Novo, L. P., Gurgel, L. V. A., Marabezi, K., & da Silva Curvelo, A. A. (2011). Delignification of sugarcane bagasse using glycerol–water mixtures to produce pulps for saccharification. *Bioresource technology*, 102(21), 10040-10046.

Gan P.G., S.T. Sam, M.F.B. Abdullah, M.F. Omar, Thermal properties of nanocellulose-reinforced composites: A review, *J. Appl. Polym. Sci.* 137 (11) (2020) 48544,

Palmatier, R.W., Houston, M.B. & Hulland, J. (2018). Review articles: purpose, process, and structure. *J. of the Acad. Mark. Sci.*, 46, 1–5.

Petroudy, S. R. D., Syverud, K., Chinga-Carrasco, G., Ghasemain, A., & Resalati, H. (2014). Effects of bagasse microfibrillated cellulose and cationic polyacrylamide on key properties of bagasse paper. *Carbohydrate Polymers*, 99, 311-318.

Pongrácz, E. 2007. The environmental impacts of packaging, In: Kutz, M., (ed): *Environmentally Conscious Materials and Chemicals Processing* (pp. 237-278). New York: John Wiley & Sons.

Prasetyo, Mourin F. “Data produksi tebu pada tabun 2019”, <https://www.bps.go.id/publication/2020/11/30/926214ad03af786939d25bbd/statistik-tebu-indonesia-2019.html> diakses pada 27 Januari 2020 pukul 20.23

Raheem, D. (2013). Application of plastics and paper as food packaging materials-An overview. *Emirates Journal of Food and Agriculture*, 177-188.

Ristianingsih, Y., Angraeni, N., & Fitriani, A. (2017). Proses Pembuatan Kertas Dari Kombinasi Limbah Ampas Tebu Dan Sekam Padi Dengan Proses Soda. *Chempublish Journal*, 2(2), 21-32

Roni, K. A., Rifdah, R., & Susanto, T. (2020). PEMANFAATAN AMPAS TEBU MENJADI PULP DENGAN PROSES PEROKSIDA ALKALI. *Publikasi Penelitian Terapan Dan Kebijakan*, 3(1), 34-39.

Girish, S., Devendra, K., & Bharath, K. N. (2016, September). Effect of sodium bicarbonate on fire behaviour of tilled E-glass reinforced epoxy composites. In *IOP Conference Series: Materials Science and Engineering* (Vol. 149, No. 1, p. 012120). IOP Publishing.

Saijonkari-Pahkala, K. (2001). Non-wood plants as raw material for pulp and paper.

Samariha, A., & Khakifirooz, A. (2011). Application of NSSC pulping to sugarcane bagasse. *BioResources*, 6(3), 3313-3323.

Tajik, M., Torshizi, H. J., Resalati, H., & Hamzeh, Y. (2018). Effects of cationic starch in the presence of cellulose nanofibrils on structural, optical and strength properties of paper from soda bagasse pulp. *Carbohydrate polymers*, 194, 1-8.

Thaib, C. M., Gultom, E., & Aritonang, B. (2020). PEMBUATAN KERTAS DARI LIMBAH KULIT DURIAN DAN AMPAS TEBU DENGAN PERBEDAAN KONSENTRASI NaOH. *JURNAL KIMIA SAINTEK DAN PENDIDIKAN*, 4(1), 1-11.

Tu, Q., Fu, S., Zhan, H., Chai, X., & Lucia, L. A. (2008). Kinetic modeling of formic acid pulping of bagasse. *Journal of Agricultural and Food Chemistry*, 56(9), 3097-3101.

Varshney, D., Mandade, P., Shastri, Y. (2019) Multi-objective optimization of sugarcane bagasse utilization in an Indian sugar mill. *Sustain. Prod. Consump.* 18:96–114.

Wibisono, I., & Leonardo, H. (2013). Pembuatan pulp dari alang-alang. *Widya teknik*, 10(1), 11-20.

Wohlin, C. (2014). Guidelines for snowballing in systematic literature studies and a replication in software engineering. In *Proceedings of the 18th international conference on evaluation and assessment in software engineering* (pp. 1-10).

Wulandari, W. T., Rochliadi, A., & Arcana, I. M. (2016). Nanocellulose prepared by acid hydrolysis of isolated cellulose from sugarcane bagasse. In *IOP conference series: materials science and engineering* (Vol. 107, No. 1, p. 012045). IOP Publishing.

Xiao, L-P., Sun, Z-J., Shi, Z-J., Xu, F., Sun, R-C., 2011. Impact of hot compressed water pretreatment on the structural changes of woody biomass for bioethanol production. *Bioresources* 6 (2), 1576–1598.

Xiao, Y., & Watson, M. (2019). Guidance on conducting a systematic literature review. *Journal of Planning Education and Research*, 39(1), 93-112.

Xu, F.; Sun, J.X.; Liu, C.F.; Sun, R.C. Comparative study of alkali- and acidic organic solvent-soluble hemicellulosic polysaccharides from sugarcane bagasse. *Carbohydr. Res.* 2006, 341, 253–261.

Yang, Tsung-Lin (2011): Chitin-based materials in tissue engineering: Applications in soft tissue and epithelial organ, *Int J. Mol. Sci.* 12(3), 1936–1963.

Yosephine, A., Gala, V., Ayucitra, A., dan Retnoningtyas, E.S. 2012. Pemanfaatan Ampas Tebu dan kulit pisang Dalam Pembuatan Kertas Serat Campuran. *Jurnal Teknik Kimia Indonesia*. Vol 11 No.2 Hal 95- 96. Younis, A. A., Mohamed, S. A., & El-Sakhawy, M. (2021). Fire resistant bagasse paper as packaging material using 1, 3-di-p-toluidine-2, 2, 2, 4, 4, 4-hexachlorocyclodiphosph (V) azane with hydroxyethyl cellulose. *Egyptian Journal of Petroleum*, 30(4), 29-36.

Younis, A. A., Mohamed, S. A., & El-Sakhawy, M. (2021). Fire resistant bagasse paper as packaging material using 1, 3-di-p-toluidine-2, 2, 2, 4, 4, 4-hexachlorocyclodiphosph (V) azane with hydroxyethyl cellulose. *Egyptian Journal of Petroleum*, 30(4), 29-36.

Younis, A. A., Mohamed, S. A., El-Samahy, M. A., & Kader, A. H. A. (2020). Novel fire-retardant bagasse papers using talc/cyclodiphosphazane and nanocellulose as packaging materials. *Egyptian Journal of Petroleum*, 30(1), 25-32.

Zhang, H., Qin, C., Nie, S., & Wang, S. (2018). Effects of D-hot pretreatment on micro-distribution of residual lignin in sugarcane bagasse pulp and fiber properties. *Cellulose*, 25(8), 4423-4435.

Zulferiyenni, Z., & Hidayati, S. (2012). APLIKASI JAMUR PEMUTIH PADA AMPAS TEBU SEBAAI BAHAN BAKU KERTAS. *Jurnal Teknologi & Industri Hasil Pertanian*, 13(1), 13-16.

