DAFTAR PUSTAKA

Abiaziem, C. V., Williams, A. B., Inegbenebor, A. I., Onwordi, C. T., Ehi-Eromosele, C. O., & Petrik, L. F. (2020). Isolation and characterisation of cellulose nanocrystal obtained from sugarcane peel. *Rasayan Journal of Chemistry*, *13*(1), 177–187. https://doi.org/10.31788/RJC.2020.1315328

Asfar*, A. M. I. A., Asfar, A. M. I. T. A., Ridwan, R., Damayanti, J. D., & Mukhsen, M. I. (2023). Reduksi Limbah Jerami Dan Sekam Padi Sebagai Pakan Ternak Alternatif. *Dinamisia : Jurnal Pengabdian Kepada Masyarakat*, *7*(5), 1340–1349. https://doi.org/10.31849/dinamisia.v7i5.15755

Azevedo, M. A. B. (2011). *Effect of bleaching of cellulose pulp crystallinity of eucalyptus grandis and dunni*. *plane 002*.

Bhernama, B. G., Nurhayati, Surya Adi Saputra, & Jihan Amalia. (2023). Karakterisasi Selulosa dan Selulosa Asetat dari Limbah Cangkang Biji Pala (Myristica Fragransi) Aceh Selatan. *Jurnal Riset Kimia*, *14*(1), 81–93. https://doi.org/10.25077/jrk.v14i1.579

Chieng, B. W., Lee, S. H., Ibrahim, N. A., Then, Y. Y., & Loo, Y. Y. (2017). Isolation and characterization of cellulose nanocrystals from oil palm mesocarp fiber. *Polymers*, *9*(8), 1–11. https://doi.org/10.3390/polym9080355

Dewanti, D. P. (2018). Potensi Selulosa dari Limbah Tandan Kosong Kelapa Sawit untuk Bahan Baku Bioplastik Ramah Lingkungan. *Jurnal Teknologi Lingkungan*, *19*(1), 81. https://doi.org/10.29122/jtl.v19i1.2644

Dipahayu, D., & Gondo Kusumo, G. (2021). Formulasi dan evaluasi Nano Partikel Ekstrak Etanol Daun Ubi Jalar Ungu (Ipomoea batatas L.)Varietas Antin-3. *Jurnal Sains dan Kesehatan*, *3*(6), 782.

Farooq Adil, S., Bhat, V. S., Batoo, K. M., Imran, A., Assal, M. E., Madhusudhan, B., Khan, M., & Al-Warthan, A. (2020). Isolation and characterization of nanocrystalline cellulose from flaxseed Hull: A future onco-drug delivery agent. *Journal of Saudi Chemical Society*, *24*(4), 374–379. https://doi.org/10.1016/j.jscs.2020.03.002

Fatema, N., Ceballos, R. M., & Fan, C. (2022). Modifications of cellulose-based biomaterials for biomedical applications. *Frontiers in Bioengineering and Biotechnology*, *10*(November), 1–8. https://doi.org/10.3389/fbioe.2022.993711

Hussein, Y., Loutfy, S. A., Kamoun, E. A., El-Moslamy, S. H., Radwan, E. M., & Elbehairi, S. E. I. (2021). Enhanced anti-cancer activity by localized delivery of curcumin form PVA/CNCs hydrogel membranes: Preparation and in vitro bioevaluation. *International Journal of Biological Macromolecules*, *170*, 107–122. https://doi.org/10.1016/j.ijbiomac.2020.12.133

Joseph, B., Sagarika, V. K., Sabu, C., Kalarikkal, N., & Thomas, S. (2020). Cellulose nanocomposites: Fabrication and biomedical applications. *Journal of Bioresources and Bioproducts*, *5*(4), 223–237. https://doi.org/10.1016/j.jobab.2020.10.001

Karimian, A., Parsian, H., Majidinia, M., Rahimi, M., Mir, S. M., Samadi Kafil, H., Shafiei-Irannejad, V., Kheyrollah, M., Ostadi, H., & Yousefi, B. (2019). Nanocrystalline cellulose: Preparation, physicochemical properties, and applications in drug delivery systems. *International Journal of Biological Macromolecules*, *133*, 850–859. https://doi.org/10.1016/j.ijbiomac.2019.04.117

Kurniasari, A. E., & Widayatno, T. (2023). Pemanfaatan kulit singkong (Manihot Esculenta) sebagai bahan dasar pembuatan pulp dengan metode titrasi. *Jurnal Sain dan Teknik*, *5*(2), 102–110.

Kusmono, Listyanda, R. F., Wildan, M. W., & Ilman, M. N. (2020). Preparation and characterization of cellulose nanocrystal extracted from ramie fibers by sulfuric acid hydrolysis. *Heliyon*, *6*(11), e05486. https://doi.org/10.1016/j.heliyon.2020.e05486

Magagula, L. P., Masemola, C. M., As, M., Tetana, Z. N., Moloto, N., & Linganiso, E. C. (2022). *Lignocellulosic Biomass Waste-Derived Cellulose Nanocrystals and Carbon Nanomaterials : A Review*.

Novia, M., Makki, A. I., & Arafah, N. (2022). Karakterisasi Serat Ampas Tebu (Bagasse) Sebagai Alternatif Bahan Baku Tekstil Dan Produk Tekstil (Tpt) Terbarukan. *Arena Tekstil*, *37*(1), 27–34. https://doi.org/10.31266/at.v37i1.7308

Pranolo, S. H., Waluyo, J., Ikbar, R., Damayanthy, R. A., Lestary, S., & Qadarusman, M. L. (2023). Application of Nanocrystal Cellulose Based on Empty Palm Oil Fruit Bunch as Glucose Biosensing. *ASEAN Journal of Chemical Engineering*, *23*(3), 360–369. https://doi.org/10.22146/ajche.83422

Pratiwi, Y., Lestari, I., Triadisti, N., Zamzani, I., Farmasi, F., & Muhammadiyah, U. (2021). *Pengaruh konsentrasi NaOH dan H2SO4 terhadap isolasi dan identifikasi a -selulosa menggunakan proses delignifikasi serbuk eceng gondok (Eichhornia crassipes) (The Effect of Concentration of NaOH and H2SO4 on Isolation and Identification of Cellul*. *5*(1), 429–438.

Putri, E., & Gea, S. (2018). Isolasi dan Karakterisasi Nanokistral Selulosa dari Tandan Sawit (Elaeis Guineensis Jack). *Elkawnie*, *4*(1), 13–22. https://doi.org/10.22373/ekw.v4i1.2877

Rahmi, D., Marpaung, M. T., Aulia, R. D., Putri, S. E., Aidha, N. N., & Widjajanti, R. (2020). Ekstraksi Dan Karakterisasi Mikroselulosa Dari Rumput Laut Coklat Sargassum Sp. Sebagai Bahan Penguat Bioplastik Film. *Jurnal Kimia dan Kemasan*, *42*(2), 57. https://doi.org/10.24817/jkk.v42i2.6401

Ramadhani, N., Putri, P. A., & Irdawati, D. W. (2022). Pemanfaatan Ampas Tebu Menggunakan Enzim Selulase dari Aspergillus niger untuk Pembuatan Bioetanol-Mini Review. *Prosiding Seminar Nasional Biologi*, *1*(2), 294–301. https://semnas.biologi.fmipa.unp.ac.id/index.php/prosiding/article/view/346

Ratna, R., Arahman, N., Munawar, A. A., & Aprilia, S. (2023). *Extraction , Isolation , and Characterization of Nanocrystalline Cellulose from Barangan Banana (Musa acuminata L .) Peduncles Waste*. *23*(1), 73–89. https://doi.org/10.22146/ijc.74718

Raza, M., Abu-jdayil, B., Banat, F., & Al-marzouqi, A. H. (2022). *Isolation and Characterization of Cellulose Nanocrystals from Date Palm Waste*.

https://doi.org/10.1021/acsomega.2c02333

Rezki, A. S., Wulandari, Y. R., Alvita, L. R., & Sari, N. P. (2023). Potential of Empty Fruit Bunches (EFB) Waste as Bioenergy to Produce Bio-Oil using Pyrolysis Method: Temperature Effects. *Rekayasa Bahan Alam dan Energi Berkelanjutan*, *7*(1), 22–29. https://rbaet.ub.ac.id/index.php/rbaet/article/view/2930

Rigel, R. (2019). Karakterisasi α -Selulosa dengan Metode XRD , FTIR dan SEM. *jurnal Riset kimia*, *July*, 0–5. https://doi.org/10.13140/RG.2.2.30796.36480

Seddiqi, H., Oliaei, E., Honarkar, H., Jin, J., Geonzon, L. C., Bacabac, R. G., & Klein-Nulend, J. (2021). Cellulose and its derivatives: towards biomedical applications. In *Cellulose* (Vol. 28, Nomor 4). Springer Netherlands. https://doi.org/10.1007/s10570-020-03674-w

Setyaningsih, L. W. N., Mutiara, T., Hapsari, C. Y., Kusumaningtyas, N., Munandar, H., & Pranata, R. J. (2020). Karakteristik dan Aplikasi Selulosa Kulit Jagung Pada Pengembangan Hidrogel. *Journal of Science and Applicative Technology*, *4*(2), 61. https://doi.org/10.35472/jsat.v4i2.252

Sijabat, E. K., Sakti, S. A., & Tri Prijadi, B. (2022). Aplikasi Nanocrystalline Cellulose dari Proses Hidrolisis Asam sebagai Reinforced Material pada Kertas Facial Tissue. *Fluida*, *15*(2), 73–81. https://doi.org/10.35313/fluida.v15i2.4452

Sri Aprilia, N. A., Mulyati, S., Alam, P. N., Razali, N., Zuhra, Fatmawati, Kamaruzaman, S., & Amin, A. (2021). Preparation and characterization of sugarcane bagasse nanocellulose crystalline using acid hydrolysis with and without ultrasonication. *Rasayan Journal of Chemistry*, *14*(1), 601–607. https://doi.org/10.31788/RJC.2021.1415920

Sutjiono, N., Putra, I., Pasaribu, J., & Handayani, A. S. (2020). Pembuatan Nanofiber Selulosa Dari Tkks Dengan Metode Hidrolisis Asam. *Technopex 2020*, 139–144. http://technopex.iti.ac.id/ocs/index.php/tpx20/tpx20/paper/view/301

Swingler, S., Gupta, A., Gibson, H., Kowalczuk, M., Heaselgrave, W., & Radecka, I. (2021). Recent advances and applications of bacterial cellulose in biomedicine. *Polymers*, *13*(3), 1–29. https://doi.org/10.3390/polym13030412

Syamsul, E. S., Anugerah, O., & Supriningrum, R. (2020). Penetapan rendemen ekstrak daun jambu mawar (Syzygium jambos L. Alston) berdasarkan variasi konsentrasi etanol dengan metode maserasi. *Jurnal Riset Kefarmasian Indonesia*, *2*(3), 147–157. https://doi.org/10.33759/jrki.v2i3.98

Trisanti, P. N., Setiawan H.P, S., Nura'ini, E., & Sumarno. (2018). Ekstraksi Selulosa dari Serbuk Gergaji Kayu Sengon Melalui Proses Delignifikasi Alkali Ultrasonik. *Sains Materi Indonesia*, *19*(3), 113–119.

Wulandari, W. T., & Dewi, R. (2019). Selulosa Dari Ampas Tebu Sebagai Adsorben Pada Minyak Bekas Penggorengan. *KOVALEN: Jurnal Riset Kimia*, *4*(3), 332–339. https://doi.org/10.22487/kovalen.2018.v4.i3.10920

Wulandari, W. T., Rochliadi, A., & Arcana, I. M. (2016). Nanocellulose prepared by acid hydrolysis of isolated cellulose from sugarcane bagasse. *IOP Conference Series: Materials Science and Engineering*, *107*(1). https://doi.org/10.1088/1757-

899X/107/1/012045