DAFTAR PUSTAKA

Abraham, E., Deepa, B., Pothan, L. A., Jacob, M., Thomas, S., Cvelbar, U., & Anandjiwala, R. (2011). Extraction of nanocellulose fibrils from lignocellulosic fibres: A novel approach. *Carbohydrate Polymers*, *86*(4), 1468–1475. https://doi.org/10.1016/j.carbpol.2011.06.034

Abu-Thabit, N. Y., Judeh, A. A., Hakeem, A. S., Ul-Hamid, A., Umar, Y., & Ahmad, A. (2020). Isolation and characterization of microcrystalline cellulose from date seeds (Phoenix dactylifera L.). *International Journal of Biological Macromolecules*, *155*, 730–739. https://doi.org/10.1016/j.ijbiomac.2020.03.255

Agustin, N., & Abdassah, M. (2021). Isolasi dan Karakterisasi Selulosa Mikrokristal dari Nanas (Ananas comosus (L.) Merr) Isolation and Characterization of Microcrystalline Cellulose from Pineapple (Ananas comosus (L.) Merr). Dalam *Pharmaceutical Journal of Indonesia* (Vol. 18, Nomor 01)

Amalia, A. R., Kumara, R. F., & Putri, N. P. (2019). Manufacturing of Bioplastics from Cellulose Empty Fruit Bunches Waste with Addition of Glycerol as Plasticizer. *Konversi*, *8*(2). https://doi.org/10.20527/k.v8i2.6839

Amir, F., Pertiwi, N., & DDirawan, G. (2016). Conservation Status of Lontar Palm Trees (Borassus flabellifer Linn) In Jeneponto District, South Sulawesi, Indonesia. Dalam *Journal of Tropical Crop Science* (Vol. 3, Nomor 1). www.j-tropical-crops.com

Andalia, R., Rahmi, R., Julinawati, J., & Helwati, H. (2020). Isolation and characterization of cellulose from rice husk waste and sawdust with chemical method. *Jurnal Natural*, *20*(1), 6–9. https://doi.org/10.24815/jn.v20i1.12016

Batu, M. S., Adu, R. E. Y., & Soares, L. P. (2023). Sintesis Selulosa Asetat dari Sabut Buah Lontar (Borassus flabellifer Linn) dengan Variasi Volume Anhidrida Asetat. *Hydrogen: Jurnal Kependidikan Kimia*, *11*(5), 751. https://doi.org/10.33394/hjkk.v11i5.9049

Beroual, M., Trache, D., Mehelli, O., Boumaza, L., Tarchoun, A. F., Derradji, M., & Khimeche, K. (2021). Effect of the Delignification Process on the Physicochemical Properties and Thermal Stability of Microcrystalline Cellulose Extracted from Date Palm Fronds. *Waste and Biomass Valorization*, *12*(5), 2779–2793. https://doi.org/10.1007/s12649-020-01198-9

Boopathi, L., Sampath, P. S., & Mylsamy, K. (2012). Investigation of physical, chemical and mechanical properties of raw and alkali treated Borassus fruit fiber. *Composites Part B: Engineering*, *43*(8), 3044–3052. https://doi.org/10.1016/j.compositesb.2012.05.002

Badan Pusat Statistik. (2024). *Kabupaten Tuban Dalam Angka*. Tuban: BPS Kabupaten Tuban.

Cahyani, I. M., Lukitaningsih, E., Adhyatmika, A., & Sulaiman, T. N. S. (2022). Preparation and Characterization of Microcrystalline Cellulose for Pharmaceutical Excipient: A Review. *Tropical Journal of Natural Product Research*, *6*(10), 1570–1575. https://doi.org/10.26538/tjnpr/v6i10.3

Chaerunisaa, A. Y., Sriwidodo, S., & Abdassah, M. (2019). Microcrystalline cellulose as pharmaceutical excipient. *Pharmaceutical formulation design-recent practices*, 1-21.

Chen, Y., Fan, D., Han, Y., Lyu, S., Lu, Y., Li, G., Jiang, F., & Wang, S. (2018). Effect of high residual lignin on the properties of cellulose nanofibrils/films. *Cellulose*, *25*(11), 6421–6431. https://doi.org/10.1007/s10570-018-2006-x

Chesson, A., 1981. Effects of sodium hydroxide on cereal straws in relation to the enhanced degradation of structural polysaccharides by rumen microorganisms. *Journal of the Science of Food and Agriculture*, 32: 745–758.

Das, K., Ray, D., Bandyopadhyay, N. R., Ghosh, T., Mohanty, A. K., & Misra, M. (2009). A study of the mechanical, thermal and morphological properties of microcrystalline cellulose particles prepared from cotton slivers using different acid concentrations. *Cellulose*, *16*(5), 783–793. https://doi.org/10.1007/s10570-009-9280-6

Do, H. T. T., & Nguyen, H. V. H. (2018). Effects of spray-drying temperatures and ratios of gum arabic to microcrystalline cellulose on antioxidant and physical properties of mulberry juice powder. *Beverages*, *4*(4). https://doi.org/10.3390/beverages4040101

Doncea, S. M., Ion, R. M., Fierascui, R. C., Bacalum, E., Bunaciu, A. A., & Aboul-Enein, H. Y. (2010). Spectral methods for historical paper analysis: Composition and age approximation. *Instrumentation Science and Technology*, *38*(1), 96–106. https://doi.org/10.1080/10739140903430271

Edison, D., & Desri Rahmi, I. (2015). *Pengaruh Konsentrasi HCl dalam Proses Hidrolisis A-Selulosa dari Ampas Tebu (Saccharum Officinarum, L.) Terhadap Karakteristik Mikrokristalin*.

Elanthikkal, S., Gopalakrishnapanicker, U., Varghese, S., & Guthrie, J. T. (2010). Cellulose microfibres produced from banana plant wastes: Isolation and characterization. *Carbohydrate Polymers*, *80*(3), 852–859. https://doi.org/10.1016/j.carbpol.2009.12.043

Elvia, R., Amir, H., & Effendi, F. (2018). *Preparasi Dan Karakterisasi Mikrokristalin Selulosa (Mcc) Berbahan Baku Tandan Kosong Kelapa Sawit (Tkks)*. *2*, 52–57.

Fan, L. T., Gharpuray, M. M., Lee, Y. H., Fan, L. T., Gharpuray, M. M., & Lee, Y. H. (1987). Acid hydrolysis of cellulose. *Cellulose hydrolysis*, 121-148.

Fitrya, F., Fithri, N. A., Wijaya, D. P., & Sembiring, E. P. (2021). Optimization of acid concentration and hydrolysis time in the isolation of microcrystalline cellulose from water hyacinth (Eichornia crassipes solm). *Tropical Journal of Natural Product Research*, *5*(3), 503–508. https://doi.org/10.26538/tjnpr/v5i3.14

Handayani, S. S., Amrullah, Fatimah, H., & Seftiani, R. (2019). The effects of temperature on alpha-cellulose content and extraction result of tobacco stem. *Journal of Physics: Conference Series*, *1280*(2). https://doi.org/10.1088/1742-6596/1280/2/022012

Harahap, S. M. A., Dalimunthe, G. I., Lubis, M. S., & Yuniarti, R. (2023). Pembuatan mikrokristalin selulosa dari ubi jalar (Ipomoea batatas (L.) Lamk.) dengan Avicel PH 102 sebagai pembanding dan evaluasi mutu fisik. *Journal of Pharmaceutical and Sciences*, 1759-1768

Henggu, K. U., Jodi, J. U., Ratu, O. H., Sihono, S., & Nurdiansyah, Y. (2024). Karakteristik Fisik Selulosa dari Rumput Laut Chaetomorpha Crassa yang Diekstraksi dengan Suhu yang

Berbeda. *Jurnal Pengolahan Hasil Perikanan Indonesia*, *27*(11), 1074-1090.USP. *Bulk Density*. (2024). In: USP–NF. Rockville, MD: USP; May 1 2024

Hidayati, N. I., Maghfiroh, K., Ernawati, E., & Lidyana, N. (2023). Peningkatan Jiwa Kewirausahaan Ibu-ibu PKK Melaui Pelatihan Diversifikasi Olahan Buah Siwalan di Kecamatan Paciran. *Jurnal Abdi Panca Marga*, 4(1), 1-6.

Hosseinzadeh, J., Abdulkhani, A., Ashori, A., Dmirievich, P. S., Hajiahmad, A., Abdolmaleki, H., Sun, F., & Echresh Zadeh, Z. (2024). Correction to: Sustainable Production of Microcrystalline Cellulose Through Gas Phase Hydrolysis for Pharmaceutical Applications: Characterization and Life Cycle Assessment (Journal of Polymers and the Environment, (2024), 32, 6, (2729-2745), 10.1007/s10924-024-03228-2). Dalam *Journal of Polymers and the Environment* (Vol. 32, Nomor 6, hlm. 2746–2747). Springer. https://doi.org/10.1007/s10924-024-03303-8

Ioelovich, M. Y., & Veveris, G. P. (1987). Determination of Cellulose Crystallinity by X-ray Diffraction Method. Dalam *J. Wood Chemistry* (Vol. 5)

Jantarat, C., Kaewpradit, S., Chingunpitak, J., & Srivaro, S. (2025). Characteristics of microcrystalline cellulose derived from oil palm trunk slabs and its potential for use as tablet diluent. *Heliyon*, *11*(4). https://doi.org/10.1016/j.heliyon.2025.e42902

Joyce, S., Kase, M., Louk, A. C., Bukit, M., Albert, D., & Johannes, Z. (2023). *Saboakpeat : Media Tanam Berbahan Dasar Sabut Buah Lontar* (Vol. 8, Nomor 2).

Kale, R. D., Bansal, P. S., & Gorade, V. G. (2018). Extraction of Microcrystalline Cellulose from Cotton Sliver and Its Comparison with Commercial Microcrystalline Cellulose. *Journal of Polymers and the Environment*, *26*(1), 355–364. https://doi.org/10.1007/s10924-017-0936-2

Kementrian Kesehatan, R.I., 2020. *Farmakope Indonesia*, VI. ed. Kementrian Kesehatan Republik Indonesia, Jakarta

Kesehatan, J. (t.t.). *The 2 nd Alauddin Pharmaceutical Conference and Expo (ALPHA-C) 2020 Saturday, 19 th December 2020*. https://doi.org/10.24252/kesehatan.v1i1.15294

Kharismi, R. R. A. Y., Sutriyo, & Suryadi, H. (2018). Preparation and characterization of microcrystalline cellulose produced from betung bamboo (dendrocalamus asper) through acid hydrolysis. *Journal of Young Pharmacists*, *10*(2), s79–s83. https://doi.org/10.5530/jyp.2018.2s.15

Kian, L. K., Jawaid, M., Ariffin, H., & Alothman, O. Y. (2017). Isolation and characterization of microcrystalline cellulose from roselle fibers. *International Journal of Biological Macromolecules*, *103*, 931–940. https://doi.org/10.1016/j.ijbiomac.2017.05.135

King, D., Evangelista, O., Badajos, K. B., Vander, Z., Rico, F., Marie, E., & Vellezas, C. (2017). *Isolation and Characterization of Potential Microcrystalline Cellulose (MCC) present in Coconut (Cocos nucifera) Fibers*. https://doi.org/10.13140/RG.2.2.19581.87520/1

Krishnaveni, T. R. S., Arunachalam, R., Chandrakumar, M., Parthasarathi, G., & Nisha, R. (2020). Potential Review on Palmyra (Borassus flabellifer L.). *Advances in Research*, 29–40. https://doi.org/10.9734/air/2020/v21i930229

Lestari, Y. P. I. (2022). Optimasi Konsentrasi HCl pada Proses Hidrolisis Untuk Pembuatan Mikrokristalin Selulosa (MCC) dari Eceng Gondok. *Journal Of Innovation Research And Knowledge*, 1(10), 1335-1344.

Lestari, Y. P. I., Falya, Y., Chasanah, U., Kusumo, D. W., & Bethasari, M. (2022). Isolasi α-selulosa, pembuatan & karakterisasi mikrokristalin selulosa (mcc) dari limbah kulit jeruk baby (Citrus sinensis). *Majalah Farmasi dan Farmakologi*, *26*(3), 119-123.

Lismeri, L., Agustina, E., Darni, Y., Agustin, N., & Damara, N. (2020). Preparasi dan karakterisasi mikrokristalin selulosa dari limbah batang ubi kayu. *Jurnal Teknologi dan Inovasi Industri*, *01*(01), 28–036.

Lü, F., Chai, L., Shao, L., & He, P. (2017). Precise pretreatment of lignocellulose: Relating substrate modification with subsequent hydrolysis and fermentation to products and by-products. *Biotechnology for Biofuels*, *10*(1). https://doi.org/10.1186/s13068-017-0775-3

Maryana, R., Jatmiko, T. H., Prasetyo, D. J., Rizal, W. A., Suwanto, A., Praharasti, A. S., Indrianingsih, A. W., Anwar, M., & Rizaluddin, A. T. (2019). Evaluation of high purity cellulose production from pretreated various agricultural biomass wastes. *IOP Conference Series: Earth and Environmental Science*, *251*(1). https://doi.org/10.1088/1755-1315/251/1/012001

Md Salim, R., Asik, J., & Sarjadi, M. S. (2021). Chemical functional groups of extractives, cellulose and lignin extracted from native Leucaena leucocephala bark. *Wood Science and Technology*, *55*(2), 295–313. https://doi.org/10.1007/s00226-020-01258-2

Milda, C., Dalimunthe, G. I., Lubis, M. S., & Yuniarti, R. (2023). Pembuatan mikrokristalin selulosa dari wortel (Daucus carota L.) dengan avicel PH 102 sebagai pembanding dan evaluasi mutu fisik. *Journal of Pharmaceutical and Sciences*, 1769-1777.

Mohamad Haafiz, M. K., Eichhorn, S. J., Hassan, A., & Jawaid, M. (2013). Isolation and characterization of microcrystalline cellulose from oil palm biomass residue. *Carbohydrate Polymers*, *93*(2), 628–634. https://doi.org/10.1016/j.carbpol.2013.01.035

Muhammad Abdillah Saenuddin, N., Fitri Faradilla, R., & Ilmu dan Teknologi Pangan Fakultas Pertanian Univeristas Halu Oleo, J. (2020). Isolasi dan Karakterisasi Microcrystalline Cellulose (MCC) dari Limbah Padat Tapioka (Onggok) Isolation and Characterization of Microcrystalline Cellulose (MCC) from Tapioca Solid Waste (Onggok). *J. Sains dan Teknologi Pangan*, *5*(5), 3306–3319.

Mulyadi, I. (2019). ISOLASI DAN KARAKTERISASI SELULOSA : REVIEW. *Jurnal Saintika Unpam : Jurnal Sains dan Matematika Unpam*, *1*(2), 177. https://doi.org/10.32493/jsmu.v1i2.2381

Nasri, N., Suryaningsih, R., & Kurniawan, E. (2017). Ekologi, pemanfaatan, dan sosial budaya lontar (Borassus flabellifer Linn.) sebagai flora identitas Sulawesi Selatan. *Jurnal Penelitian Sosial dan Ekonomi Kehutanan*, *14*(1), 35-46

Nasution, H., Harahap, H., Suherman, P., & Kelvin. (2020). *Isolation and Characterization of Microcrystalline Cellulose from Coconut Fiber using Acid Hydrolysis Process*. 222–226. https://doi.org/10.5220/0010077802220226

Nawangsari, D., Chaerunisaa, A. Y., Abdassah, M., Sriwidodo, S., Rusdiana, T., & Apriyanti, L. (2018). Isolation and Physicochemical Characterization of Microcristalline Cellulose from Ramie (Boehmeria nivea L. Gaud) Based on Pharmaceutical Grade Quality. Dalam *Indonesian Journal of Pharmaceutical Science and Technology Journal Homepage* (Nomor 2). http://jurnal.unpad.ac.id/ijpst/UNPAD55

Nasution, A. I., & Gani, B. A. (2017). Comparative scanning electron microscopy/energy-dispersive X-ray study of nano-hydroxyapatite toothpaste in correlation of remineralization. *International Journal of Contemporary Dental & Medical Reviews*, *2017*.

Nur Hanani, A. S., Zuliahani, A., Nawawi, W. I., Razif, N., & Rozyanty, A. R. (2017). The Effect of Various Acids on Properties of Microcrystalline Cellulose (MCC) Extracted from Rice Husk (RH). *IOP Conference Series: Materials Science and Engineering*, *204*(1). https://doi.org/10.1088/1757-899X/204/1/012025

Nur, R., & Muzakkar, M. Z. (2016). Sintesis dan Karakterisasi CMC (Carboxymethyl Cellulose) yang Dihasilkan dari Selulosa Jerami Padi. *Jurnal Sains dan Teknologi Pangan*, *1*(3), 222-231.

Park, S., Oh, Y., Jung, D., & Lee, S. H. (2020). Effect of cellulose solvents on the characteristics of cellulose/Fe2O3 hydrogel microspheres as enzyme supports. *Polymers*, *12*(9). https://doi.org/10.3390/POLYM12091869

PC, V., GN, M., M, S., & HP, M. (2017). Vale Added Food Products from Palmyrah Palm (Borassus Flabellifer L). *Journal of Nutrition and Health Sciences*, *4*(1). https://doi.org/10.15744/2393-9060.4.105

Prasetia, I. G. N. J. A. (2018). Pengaruh Hidrolisis dengan Asam Klorida terhadap Karakteristik Polimer Selulosa Mikrokristal dari Alga Hijau (Cladophora sp.). *Majalah Polimer Indonesia*, *21*(2). https://doi.org/10.37889/mpi.2018.21.2.2

Prasetia, I. G. J. A., Arisanti, C. I. S., Megayanti, K., Wirayanti, R., & Pratiwi, N. L. P. A. (2018). The Effect of HCl Concentration in the Hydrolysis Process of Nata De Cassava on the Characteristics of Microcrystalline Cellulose. *Elastic*, *1*, 2

Raja, P. M., Rangkuti, I. U. P., Hendra Ginting, M., Giyanto, & Siregar, W. F. (2021). Preparation and characterization of cellulose microcrystalline made from palm oil midrib. *IOP Conference Series: Earth and Environmental Science*, *819*(1). https://doi.org/10.1088/1755-1315/819/1/012002

Rani, K. C., Parfati, N., Muarofah, D., & Sacharia, S. N. (2020). Formulasi Granul Effervescent Herba Meniran (Phyllanthus niruri L.) dengan Variasi Suspending Agent Xanthan Gum, CMC-Na, dan Kombinasi CMC-Na-Mikrokristalin Selulosa RC- 591. *Jurnal Sains Farmasi & Klinis*, *7*(1), 39. https://doi.org/10.25077/jsfk.7.1.39-51.2020

Reddy, K. O., Maheswari, C. U., Dhlamini, M. S., & Kommula, V. P. (2016). Exploration on the characteristics of cellulose microfibers from Palmyra palm fruits. *International Journal of Polymer Analysis and Characterization*, *21*(4), 286–295. https://doi.org/10.1080/1023666X.2016.1147799.

Rowe, R. C., Sheskey, P. J., & Quinn, M. E. (2009). *Handbook Of Pharmaceutical Excipients* (6th Ed). Pharmaceutical Press.

Saker, A., Cares-Pacheco, M. G., Marchal, P., & Falk, V. (2019). Powders flowability assessment in granular compaction: What about the consistency of Hausner ratio? *Powder Technology*, *354*, 52–63. https://doi.org/10.1016/j.powtec.2019.05.032

Sawiji, R. T., La, E. O. J., & Yuliawati, A. N. (2020). Pengaruh formulasi terhadap mutu fisik body butter ekstrak etanol kulit buah naga (Hylocereus Polyrhizus). *Indonesian Journal of Pharmacy and Natural Product*, *3*(1).

Schubnell, M., De Caro, C., & Kunz, R. (2020). Moisture Content, Water Content, Loss on Drying, Part 1: What Exactly is Meant and How are These Quantities Determined?. *Thermal Analysis UserCom*, *1*(51), 1-8

Singh, J. K., & Rout, A. K. (2024). Characterization of raw and alkali-treated cellulosic fibers extracted from Borassus flabellifer L. *Biomass Conversion and Biorefinery*, *14*(10), 11633–11646. https://doi.org/10.1007/s13399-022-03238-x

Siswati, N. D., Wachidah, A. N., & Ariyani, A. E. P. (2021). Selulosa Asetat dari Ampas Sagu. *Jurnal Teknik Kimia*, *15*(2), 90-94.

Srivastava, A., Bishnoi, S. K., Sarkar, P. K., & Anuradha Srivastava, S. B. (2017). Value addition in palmyra palm (Borassus flabellifer L.): A potential strategy for livelihood security and poverty alleviation. *Rashtriya krishi*, *12*(1), 110-112

Stefanus Batu, M., Magdalena Kolo, M., Rika, F., Timor, U., & Tenggara Timur, N. (2024). Stannum : Jurnal Sains dan Terapan Kimia Synthesis of Cellulose Acetate From Coil Waste (Borassus flabellifer L) Using Delignification Time Variations Sintesis Selulosa Asetat Dari Limbah Sabut Lontar (Borassus flabellifer L) dengan Menggunakan Variasi Waktu Delignifikasi. *Jurnal Sains dan Terapan Kimia*, *6*(2), 63–70. https://doi.org/10.33019/jstk.v6i2.4113

Sunardi, S., Noviyanti, N., Istikowati, W. T., Nisa, K., & Anwar, M. (2021). Analisis Komponen Serat Pelepah Sagu (Metroxylon Sago) dan Kajian Morfologi Selulosanya Setelah Oksidasi Menggunakan Amonium Persulfat. *Jurnal Sains dan Terapan Kimia*, *15*(1), 48. https://doi.org/10.20527/jstk.v15i1.9724

Sutejo, A. B., Hasugian, F. H., Utami, L. I., & Wahyusi, K. N. (2023). Hidrolisis Asam A-Selulosa pada Imperata Cylindrica L dan Karakterisasi Mikrokristalin Selulosa. *Jurnal Teknik Kimia*, *17*(2), 84-90

Syairozi, M. I., & Rosyad, S. (2022). Inovasi Daun Lontar Untuk Meningkatkan Produktivitas Masyarakat Desa Lawanganagung. *Jurnal Pengabdian kepada Masyarakat Nusantara*, 3(1), 131-136

Tambunan, P. (2010). Potensi dan Kebijakan Pengembangan Lontar untuk Menambah Pendapatan Penduduk. *Jurnal analisis kebijakan kehutanan*, 29223.

Tarchoun, A. F., Trache, D., & Klapötke, T. M. (2019). Microcrystalline cellulose from Posidonia oceanica brown algae: Extraction and characterization. *International Journal of Biological Macromolecules*, *138*, 837–845. https://doi.org/10.1016/j.ijbiomac.2019.07.176

Tasnim, S., Tipu, M. F. K., Rana, M. S., Rahim, M. A., Haque, M., Amran, M. S., Chowdhury, A. A., & Chowdhury, J. A. (2023). Modification of Bulk Density, Flow Property and Crystallinity of Microcrystalline Cellulose Prepared from Waste Cotton. *Materials*, *16*(16). https://doi.org/10.3390/ma16165664

Thibab, N., Hayati, A., & Zayadi, H. (2019). Studi Etnobotani dan Distribusi Tanaman Siwalan (Borassus flabillifer) di Desa Gapura Timur Kecamatan Gapura Kabupaten Sumenep Suku Madura: Ethnobotany Study and Distribution of Siwalan Plant (Borassus flabillifer) in East Gapura Village of Gapura District of Sumenep-Madura Regency. *Jurnal Ilmiah Biosaintropis (Bioscience-Tropic)*, *4*, 15-20.

Tomar, M., Ajay Kumar, S., & Amit Raj, S. (2017). Effect of Moisture Content of Exicipient (Microcrystalline Cellulose) on Direct Compressible Solid Dosage Forms. *International Journal of Pharmaceutical Sciences and Research*, *8*(1), 282–288. https://doi.org/10.13040/IJPSR.0975-8232.8(1).282-88

Trache, D., Donnot, A., Khimeche, K., Benelmir, R., & Brosse, N. (2014). Physico-chemical properties and thermal stability of microcrystalline cellulose isolated from Alfa fibres. *Carbohydrate Polymers*, *104*(1), 223–230. https://doi.org/10.1016/j.carbpol.2014.01.058

Trache, D., Hussin, M. H., Hui Chuin, C. T., Sabar, S., Fazita, M. R. N., Taiwo, O. F. A., Hassan, T. M., & Haafiz, M. K. M. (2016). Microcrystalline cellulose: Isolation, characterization and bio-composites application-A review. Dalam *International Journal of Biological Macromolecules* (Vol. 93, hlm. 789–804). Elsevier B.V. https://doi.org/10.1016/j.ijbiomac.2016.09.056

USP. *Microcrystalline Cellulose*. (2019). In: USP–NF. Rockville, MD: USP; Dec 1 2019

USP. *Optical Microscopy*. (2016). In: USP–NF. Rockville, MD: USP; Nov 22 2016

U.S. Pharmacopoeia. Microcrystalline cellulose. In *National Formulary [USP 39 NF 24]*; Rockville, M.D., Ed.; United States Pharmacopeial Convention, Inc.: Rockville, MD, USA, 2015; Volume 4, p. 7231

Utama, A. R. (2021). Pemanfaatan Limbah Kulit Siwalan Sebagai Briket Media Tanam Di Desa Kembangbilo Kabupaten Tuban. *Jurnal Pengabdian Vokasi*, *2*(2), 102-105

Van der Merwe, J., Steenekamp, J., Steyn, D., & Hamman, J. (2020). The role of functional excipients in solid oral dosage forms to overcome poor drug dissolution and bioavailability. Dalam *Pharmaceutics* (Vol. 12, Nomor 5). MDPI AG. https://doi.org/10.3390/pharmaceutics12050393

Vanhatalo, K. M., & Dahl, O. P. (2014). Mild acid for MCC. Dalam *BioResources* (Vol. 9, Nomor 3).

Vinujan, S., Vivekanandarajah, S., Srivijeindran, S., Shanmugalingam, V., Sathasivampillai, S. V., & Srithayalan, S. (2021). International Journal of Innovative Research and Reviews Pharmacological Activities of Borassus flabellifer L. Extracts and Isolated Compounds. *International Journal of Innovative Research and Reviews (INJIRR)*, *5*(2), 23–31. http://www.injirr.com/article/view/78

Widia, I., & Wathoni, N. (2018). Review artikel selulosa mikrokristal: isolasi, karakterisasi, dan aplikasi dalam bidang farmasetik. *Farmaka Jurnal*, *15*(2), 127-143.

Widya, F (2022). Selulosa: Karakteristik dan Pemanfaatannya. Jakarta: LIPI PressYao, W., Weng, Y., & Catchmark, J. M. (2020). Improved cellulose X-ray diffraction analysis using Fourier series modeling. *Cellulose*, *27*(10), 5563–5579. https://doi.org/10.1007/s10570-020-03177-8

Yostianti Tnunay, I. M., Hanas, D. F., & Mata, M. H. (2023). Karakteristik Buah dan Biji Lontar (Borassus Flabelifer L.). *BIOEDUSAINS:Jurnal Pendidikan Biologi dan Sains*, *6*(1), 172–177. https://doi.org/10.31539/bioedusains.v6i1.5443

Yuspa, Y., Hafifah, R., Mursyidah, S., Aldeina, S., Muhammad, M., & Lestari, Y. P. I. (2024). Isolasi Alfa Selulosa dan Pembuatan Serta Karakterisasi Mikrokristalin Selulosa dari Kulit Buah Limpasu (Baccaurea lanceolata Muell). *Jurnal Ilmiah Ibnu Sina (JIIS): Ilmu Farmasi dan Kesehatan*, *8*(3), 71–81. https://doi.org/10.36387/jiis.v8i3.1676