

DAFTAR PUSTAKA

- [Deptan] Departemen Pertanian. 2009, Sekam Padi Sebagai Sumber Energi Alternatif dalam Rumah Tangga Petani, Badan Penelitian dan Pengembangan Pertanian, Departemen Pertanian. <https://www.litbang.pertanian.go.id/artikel/210/>
- Agustin, M. B., Ahmmad, B., Alonzo, S. M. M., & Patriana, F. M. (2014). Bioplastic based on starch and cellulose nanocrystals from rice straw. *Journal of Reinforced Plastics and Composites*, 33(24), 2205–2213. <https://doi.org/10.1177/0731684414558325>
- Akili, M.S, Ahmad U, dan Suyatma NA. 2012. Karakteristik Edible film dari Pektin Hasil Ekstraksi Kulit Pisang. *J. Keteknikan Pertanian*. Vol. 26. No. 1. <https://journal.ipb.ac.id/index.php/jtep/article/view/7410/5760>
- Alonso-González, M., Felix, M., & Romero, A. (2022). Influence of the plasticizer on rice bran-based eco-friendly bioplastics obtained by injection moulding. *Industrial Crops and Products*, 180(March). <https://doi.org/10.1016/j.indcrop.2022.114767>
- Alonso-González, M., Felix, M., Guerrero, A., & Romero, A. (2021). Rice bran-based bioplastics: Effects of the mixing temperature on starch plastification and final properties. *International Journal of Biological Macromolecules*, 188(June), 932–940. <https://doi.org/10.1016/j.ijbiomac.2021.08.043>
- Amni, C., Marwan, M., & Mariana, M. (2015). Pembuatan Bioplastik Dari Pati Ubi Kayu Berpenguat Nano Serat Jerami dan ZnO. *Jurnal Litbang Industri*, 5(2), 91. <https://doi.org/10.24960/jli.v5i2.670.91-99>
- Arrieta, M. P., Fortunati, E., Dominici, F., López J & Kenny J. M. (2015). Bionanocomposite films based on plasticized PLA-- PHB/cellulose nanocrystal blends. *Carbohydrate Polymers*, 121, 265–275. <https://www.sciencedirect.com/science/article/abs/pii/S0144861714012521>
- Ashter, S. A. (2016). New Developments. *Introduction to Bioplastics Engineering*, 10 :

- 251–274. <http://dx.doi.org/10.1016/B978-0-323-39396-6.00010-5>
- Atiwesh, G., Mikhael, A., Parrish, C. C., Banoub, J., & Le, T. A. T. (2021). Environmental impact of bioplastic use: A review. *Heliyon*, 7(9), e07918. <https://doi.org/10.1016/j.heliyon.2021.e07918>
- Badan Pusat Statistik, 2020, Luas Panen dan Produksi Padi di Indonesia 2020, Jakarta, Indonesia: BPS <https://www.bps.go.id/>
- Ban, W. 2005. Improving the physical and chemical functionality of starch–derive films with biopolymers. *Journal of Applied Polymer Science*, 10, 118–129. <https://onlinelibrary.wiley.com/doi/epdf/10.1002/app.23698>
- Basuni, R. 2010. Sistem integrasi padi sapi potong di lahan sawah. *Jurnal IPTEK Tanaman Pangan*. Vol 5 No 1, 2010. <https://ejurnal.litbang.pertanian.go.id/index.php/ippan/article/view/2613>
- Bilo, F., Pandini, S., Sartore, L., Depero, L. E., Gargiulo, G., Bonassi, A., Federici, S., & Bontempi, E. (2018). A sustainable bioplastic obtained from rice straw. *Journal of Cleaner Production*, 200, 357–368. <https://doi.org/10.1016/j.jclepro.2018.07.252>
- Brodin, M., Vallejos, M., Opedal, M. T., Area, M. C., & Chinga-Carrasco, G. (2017). Lignocellulosics as sustainable resources for production of bioplastics – A review. *Journal of Cleaner Production*, 162, 646–664. <https://doi.org/10.1016/j.jclepro.2017.05.209>
- Chollakup, R., Kongtud, W., Sukatta, U., Premchookiat, M., Piriyaatits, K., Nimitkeatkai, H., & Jarerat, A. (2021). Eco-friendly rice straw paper coated with longan (*Dimocarpus longan*) peel extract as bio-based and antibacterial packaging. *Polymers*, 13(18). <https://doi.org/10.3390/polym13183096>
- Coccia, M. 2017. The Fishbone diagram to identify, systematize and analyze the sources of general purpose technologies. *Journal of Social and Administrative Sciences*. 4(4): 291–303. <https://doi.org/10.1453/jsas.v4i4.1518>
- Collazo-Bigliardi, S., Ortega-Toro, R., & Chiralt, A. (2019). Improving properties of thermoplastic starch films by incorporating active extracts and cellulose fibres

- isolated from rice or coffee husk. *Food Packaging and Shelf Life*, 22(November 2018). <https://doi.org/10.1016/j.fpsl.2019.100383>
- Coniwanti, P., L. Laila , M.R. Alfira,. 2014. Pembuatan film plastik biodegradabel dari pati jagung dengan penambahan kitosan dan pemplastis gliserol. *Jurnal Teknik Kimia* 20(4): 22–30. <https://adoc.pub/pembuatan-film-plastik-biodegradabel-dari-pati-jagung-dengan.html>
- Coppola, G., Gaudio, M. T., Lopresto, C. G., Calabro, V., Curcio, S., & Chakraborty, S. (2021). Bioplastic from Renewable Biomass: A Facile Solution for a Greener Environment. *Earth Systems and Environment*, 5(2), 231–251. <https://doi.org/10.1007/s41748-021-00208-7>
- Corradini C, Alfieri I, Cavazza A, Lantano C, Lorenzi A, Zucchetto N, Montenero A. 2013. Antimicrobial films containing lysozyme for active packaging obtained by sol-gel technique. *Journal of Food Engineering*. 119(3): 580–587. <https://www.sciencedirect.com/science/article/abs/pii/S0260877413003130>
- Crini G. 2005. Recent development in polysaccharide-based materials used as adsorbents in wastewater treatment. *Prog. Polym Sci.* 30: 38-70. <https://www.sciencedirect.com/science/article/pii/S007967000400125X>
- Darni, Y., Sitorus, T. M., Hanif, M. 2014. Produksi Bioplastik dari Sorgum dan Selulosa Secara Termoplastik Thermoplastic Processing of Sorghum and Cellulose to Produce Bioplastics, *Jurnal Rekayasa Kimia dan Lingkungan*, 10(2) : 55–62. <http://repository.lppm.unila.ac.id/301/1/rk1%202014.pdf>
- Darni, Yuli., A. Chici, S. Ismiyati. Sintesa Bioplastik dari Pati Pisang dan Gelatin dengan Plasticizer Gliserol. Universitas Lampung, Seminar Nasional Sains dan Teknologi-II. 2008. <https://pdfcoffee.com/2-41-pdf-free.html>
- Datta, D., Samanta, S., & Halder, G. (2019). Surface functionalization of extracted nanosilica from rice husk for augmenting mechanical and optical properties of synthesized LDPE-Starch biodegradable film. *Polymer Testing*, 77(May), 105878. <https://doi.org/10.1016/j.polymertesting.2019.04.025>

- Dewi. Hidrolisis Limbah Hasil Pertanian Secara Enzimatik. Akta Agrosia. 2002. No. 2, Vol. 5, 67 – 71. <http://digilib.its.ac.id/public/ITS-Research-11652-195209161980031002-Paper2.pdf>
- Dominguez-Escriba, L., Porcar, M., 2010. Rice straw management: the big waste. *Biofuels, Bioprod. Biorefining* 4, 154e159. <https://onlinelibrary.wiley.com/doi/abs/10.1002/bbb.196>
- Dutta, N., & Maji, T. K. (2022). Development of waste rice husk/PVC/GO nanocomposite using TA–CaO adduct and ESO as green additives. *Journal of Thermoplastic Composite Materials*, 0(0), 1–21. <https://doi.org/10.1177/08927057211063398>
- Elhussieny, A., Faisal, M., D'Angelo, G., Aboulkhair, N. T., Everitt, N. M., & Fahim, I. S. (2020). Valorisation of shrimp and rice straw waste into food packaging applications. *Ain Shams Engineering Journal*, 11(4), 1219–1226. <https://doi.org/10.1016/j.asej.2020.01.008>
- Ferreira, J.A., Lourenco, A., Margado, F., Duarte, L.C., Roseiro, L.B., Fernandes, M.C., Pereira, H., & Carvalheiro, F., 2021, Delignification of *Cistus ladanifer* Biomass by Organosolv and Alkali Processes, *Energies*, 14(4):1-21. <https://www.mdpi.com/1996-1073/14/4/1127/pdf-vor>
- Fitriani, Saiful B., dan Nurhaeni. 2013. Produksi Bioetanol Tongkol Jagung (*Zea mays*) Dari Hasil Proses Delignifikasi. *Journal of Natural Science*, vol. 2, no. 3, pp. 66-74. <https://bestjournal.untad.ac.id/index.php/ejurnalfmipa/article/view/1868/1184>
- Flieger, M., Kantorova, A., Prell, T., Rezanka, J., Votruba. 2003. Review *Biodegradable* Plastics from Renewable Sources. *Folia Microbiol.* 48 (1), 27-44. <https://link.springer.com/article/10.1007/BF02931273?noAccess=true>
- Gupta, H., Kumar, H., Kumar, M., Gehlaut, A. K., Gaur, A., Sachan, S., & Park, J. W. (2020). Synthesis of biodegradable films obtained from rice husk and sugarcane bagasse to be used as food packaging material. *Environmental Engineering Research*, 25(4), 506–514. <https://doi.org/10.4491/eer.2019.191>

- H. Chen, S. Zhou, G. Gu, L. Wu, Modification and dispersion of nanosilica, *J. Dispersion Sci. Technol.* 25 (6) (2004) 837–848.
<https://www.tandfonline.com/doi/abs/10.1081/DIS-200035679>
- Hamzah, H.M., Bowra, S., & Cox, P, 2020, Effects of Ethanol Concentration on Organosolv Lignin Precipitation and Aggregation from *Miscanthus x giganteus*, *Processes*, 8(7): 1–16 <https://www.mdpi.com/2227-9717/8/7/845/pdf>
- Hasan, F. (2010). Peran Luas Panen Dan Produktivitas Terhadap Pertumbuhan Produksi Tanaman Pangan Di Jawa Timur, 7(1), 3–8.
<https://jurnal.untan.ac.id/index.php/jsea/article/download/29524/75676579104>
- Hidayati S, Zuidar AS, Ardiani A. 2015. Aplikasi sorbitol pada produksi *biodegradable* film dari nata de cassava. *Reaktor*. 15(3): 195-203.
<https://ejournal.undip.ac.id/index.php/reaktor/article/view/8953>
- Ilyas, R. A., Sapuan, S.M., Ishak, M.R., & Zainudin, E.S., 2017, Effect of Delignification on the Physical, Thermal, Chemical and Structural Properties of Sugar Palm Fibre, *BioResources*, 12(4): 8734– 8754.
https://bioresources.cnr.ncsu.edu/wpcontent/uploads/2017/10/BioRes_12_4_8734_Ilyas_SI_Effect_Delignification_Props_Sugar_Palm_Fibre_12496.pdf
- Inayati, I., Abdulloh, A., & Bagus R, Z. (2021). Fabrication of Bioplastic from Rice Straw. *Equilibrium Journal of Chemical Engineering*, 4(1), 17.
<https://doi.org/10.20961/equilibrium.v4i1.43155>
- Isroi, I., Cifriadi, A., Panji, T., Wibowo, N.A., & Syamsu, K., 2017, Bioplastic Production from Cellulose of Oil Palm Empty Fruit Bunch, *IOP Conf. Series: Earth and Environmental Science*, 65: 012011.
<https://iopscience.iop.org/article/10.1088/1755-1315/65/1/012011>
- Joshi G, Naithani S, Varshney VK, Bisht SS, Rana V, Gupta PK., 2014, Synthesis and characterization of carboxymethyl cellulose from office waste paper: A greener approach towards waste management. *Waste Manage.* 2014;38:33-40
<https://www.osti.gov/biblio/22470218>

- Kalopathy, U., A. Proctor, & J. Shultz. 2000. A Simple Methode for Production of Pure Silika from Rice Hull Ash. *Bioresource Technology*. 73: 257- 262. <https://www.sciencedirect.com/science/article/abs/pii/S0960852499001273>
- Kargarzadeh, H., Johar, N., & Ahmad, I. (2017). Starch biocomposite film reinforced by multiscale rice husk fiber. *Composites Science and Technology*, 151, 147–155. <https://doi.org/10.1016/j.compscitech.2017.08.018>
- Karnawidjaja, M.W. 2009. Pemanfaatan Pati Singkong sebagai Bahan Baku Edible Film. Universitas Padjadjaran. Bandung. <https://adoc.pub/pemanfaatan-pati-singkong-sebagai-bahan-baku-edible-film-sub.html>
- Khantayanuwong, Somwang, Chutatip Khemarom dan Sumaida Salaemae. (2016), Effects of Shrimp Chitosan on The Physical Properties of Handsheets. Pulp and Paper Technology Program, Department of Forest Products, Faculty of Forestry, Kasetsart University. <https://www.sciencedirect.com/science/article/pii/S2452316X17300923>
- Khush, G.S and G.H Toenniessen (Eds.). Rice Biotechnology. *Biotechnology in Agricultural*. (1):1-18. https://www.researchgate.net/publication/313829099_Role_of_Biotechnology_Rice_Production
- Kuddus, M., & Roohi (Eds.). (2021). *Bioplastics for Sustainable Development*, (2) : 61-82. <https://doi.org/10.1007/978-981-16-1823-9>
- Kurniaty, I., Habibah, U., Yustiana, D., & Fajriah, I., 2017, Proses Delignifikasi Menggunakan NaOH dan Amonia (NH₃) pada Tempurung Kelapa, *Jurnal Integrasi Proses*, 6(4):197-201. <https://jurnal.untirta.ac.id/index.php/jip/article/view/2546/2072>
- Latifah Jasmani, Z.M.A. Ainun, Sharmiza Adnan, Rushdan Ibrahim, S.M. Sapuan, and R.A. Ilyas. Sustainable Paper-Based Packaging. In Sapuan, S. M., & Ilyas, R. A. (Eds.). (2021). *Bio-based Packaging* 13:225-244. <https://onlinelibrary.wiley.com/doi/book/10.1002/9781119381228>
- Laftah, W. A., & Wan Abdul Rahman, W. A. (2021). Rice waste–based polymer

- composites for packaging applications: A review. *Polymers and Polymer Composites*, 29(9_suppl), S1621–S1629. <https://doi.org/10.1177/09673911211046775>
- Liu, J., Jia, C., & He, C. (2012). Rice Straw and Cornstarch Biodegradable Composites. *AASRI Procedia*, 3, 83–88. <https://doi.org/10.1016/j.aasri.2012.11.015>
- Mafor, K.I. 2015. Analisis faktor produksi padi sawah di Desa Tompasobaru Dua Kecamatan Tompasobaru. *Jurnal Cocos*, 6(2): 1 - 9. <https://ejournal.unsrat.ac.id/index.php/cocos/article/view/6777/6301>
- Maharany F, Nurjanah, Suwandi R, Anwar E, Hidayat T. 2017. Kandungan senyawa bioaktif rumput laut *Padina australis* dan *Eucheuma cottonii* sebagai bahan baku krim tabir surya. *Jurnal Pengolahan Hasil Perikanan Indonesia*. 20(1): 10-17. https://www.researchgate.net/publication/317146720_Kandungan_senyawa_bioaktif_rumput_laut_Padina_australis_dan_Eucheuma_cottonii_sebagai_bahan_baku_krim_tabir_surya_Bioactive_Compounds_of_Seaweed_Padina_australis_and_Eucheuma_cottonii_as_Sunscreen_Raw
- Makarim, A.K., dkk., 2007, *Jerami Padi: Pengelolaan dan Pemanfaatan*, Pusat Penelitian dan Pengembangan Tanaman Pangan, Bogor: Badan Penelitian dan Pengembangan Pertanian. <https://www.litbang.pertanian.go.id/download/2/file/Bagian-Pertama.pdf>
- Maraveas, C. (2020). Production of sustainable and biodegradable polymers from agricultural waste. *Polymers*, 12(5). <https://doi.org/10.3390/POLYM12051127>
- Marzali, A. (2017). Menulis Kajian Literatur : E T N O S I A *Jurnal Etnografi Indonesia* Terbit. *Jurnal Etnografi Indonesia*, 1(2), 27. https://www.academia.edu/35420629/MENULIS_KAJIAN_LITERATUR
- Menzel, C., González-Martínez, C., Vilaplana, F., Diretto, G., & Chiralt, A. (2020). Incorporation of natural antioxidants from rice straw into renewable starch films. *International Journal of Biological Macromolecules*, 146, 976–986. <https://doi.org/10.1016/j.ijbiomac.2019.09.222>
- Mohammadi-Rovshandeh, J., Pouresmaeel-Selakjani, P., Davachi, S. M., Kaffashi, B.,

- Hassani, A., & Bahmeiyi, A. (2014). Effect of lignin removal on mechanical, thermal, and morphological properties of polylactide/starch/rice husk blend used in food packaging. *Journal of Applied Polymer Science*, 131(22), 1–8. <https://doi.org/10.1002/app.41095>
- Mohsenabadi N, Rajaei A, Tabatabaei M, Mohsenifar A. Physical and antimicrobial properties of starch-carboxy methylcellulose film containing rosemary essential oils encapsulated in chitosan nanogel. *Int. J. Biol. Macromol.* 2018;112:148-155. <https://pubmed.ncbi.nlm.nih.gov/29337097/>
- Mostafa, N.A., Farag, A.A., Hala M. Abo-dief, H.M., & Tayeb, A.M., 2018, Production of *Biodegradable* Plastic from Agricultural Wastes, *Arabian Journal of Chemistry*, 11(4):546-556. <https://www.sciencedirect.com/science/article/pii/S1878535215001100>
- Mukul, S., 2020, Production of Bioplastic and Sustainable Packaging materials from Rice Straw to Eradicate Stubble Burning : A MiniReview, *Environment Conservation Journal*, 21(3):1-5. https://www.researchgate.net/publication/343294729_Production_of_bioplastics_and_sustainable_packaging_materials_from_rice_straw_to_eradicate_stubble_burning_A_Mini-Review
- Nafiyanto, I. (2019) ‘Pembuatan plastik *biodegradable* dari limbah bonggol pisang kepok dengan plasticizer gliserol dari minyak jelantah dan komposit kitosan dari limbah cangkang bekicot (*Achatina fullica*)’, *Jurnal Kimia Kemasan*, 41(1), pp. 37–44. <https://ejournal.uin-suka.ac.id/pusat/integratedlab/article/view/1867>
- Nasri-Nasrabadi B, Behzad T, Bagheri R. Extraction and characterization of rice straw cellulose nanofibers by an optimized chemomechanical method. *J Appl Polym Sci* 2014. <https://onlinelibrary.wiley.com/doi/abs/10.1002/app.40063>
- Nata, I.F., Prayogo, J.H., & Arianto, T, 2014. Produksi Bioetanol dari Alkali-Pretreatment Jerami Padi dengan Proses Simultaneous Sacharification and Fermentation (SSf), *Konservasi*, 3(1):10-16.

<http://konversi.ulm.ac.id/index.php/konversi/article/view/43/36>

- Norashikin, M.Z. and M.Z. Ibrahim. Fabrication and Characterization of Sawdust Composite *Biodegradable* Film. World Academy of Science, Engineering and Technology 65. 2010. <https://publications.waset.org/3720/fabrication-and-characterization-of-sawdust-composite-biodegradable-film>
- Novia, Wijaya, D., & Yanti, P., (2017), "Pengaruh Waktu Delignifikasi Terhadap Lignin dan Waktu SSF terhadap Etanol Pembuatan Bioetanol dari Sekam Padi", Vol. 23(1) pp. 19–27. <http://ejournal.ft.unsri.ac.id/index.php/JTK/article/view/722>
- Novia, Windarti, A dan Rosmawati. Pembuatan Bioetanol Dari Jerami Padi Dengan Metode Ozonolisis Simultaneous Saccharification and Fermentation (SSF). Jurnal Teknik Kimia No. 3, Vol. 20, Agustus 2014, hal 39. <https://publikasiilmiah.ums.ac.id/handle/11617/12375?show=full>
- Permatasari, H. R., Gulo, F. & Lesmini, B., 2013. Pengaruh Konsentrasi H₂SO₄ Dan NaOH Terhadap Delignifikasi Serbuk Bambu (*Gigantochloa Apus*). pp. 131 - 140. <https://ejournal.unsri.ac.id/index.php/jurpenkim/article/view/1891/787>
- Piemonte, V., de Falco, M. & Basile, A. 2013. Sustainable development in chemical engineering: innovative technologies. Chichester: John Wiley & Sons. <https://osf.io/ae6hk/download>
- Pradana, G., W, Agoes, M., J., Ruddy, S. 2017. Karakterisasi Tepung Pati Dan Pektin Buah Pedada Serta Aplikasinya Sebagai Bahan Baku Pembuatan Edible Film. Jurnal Masyarakat Pengolahan Hasil Perikanan Indonesia. 20(3) : 609–19. <https://journal.ipb.ac.id/index.php/jphpi/article/download/19818/13685/>
- Pratiwi, R., Rahayu, D., dan Barliana, M.I. 2016. Pemanfaatan Selulosa dari Limbah Jerami Padi (*Oryza sativa*) sebagai Bahan Bioplastik. IJPST. Vol. 3 No. 3: 83-91. <https://jurnal.unpad.ac.id/ijpst/article/view/9406>
- Princi E, Vicini S, Proietti N, Capitani D. 2005. Grafting polymerization on cellulose based textiles: a ¹³C solid state NMR characterization. European Polymer Journal. 41:1196-1203.

https://www.researchgate.net/publication/229420504_Grafting_polymerization_on_cellulose_based_textiles_A_13C_solid_state_NMR_characterization

PRWEB. 2012. Global plastics consumption to reach 297.5 million tons by 2015, according to new report by global industry analysts, inc. http://www.prweb.com/releases/plastics_bioplastics/engineered_plastics/prweb9194821.htm

Putra HP, Yebi Y. 2010. Studi Pemanfaatan Sampah Plastik Menjadi Produk dan Jasa Kreatif. *Jurnal Sains dan Teknologi Lingkungan*. 2(1): 21–31. <https://journal.uii.ac.id/JSTL/article/view/3579>

Rattanawongkun, P., Kerddonfag, N., Tawichai, N., Intatha, U., & Soykeabkaew, N. (2020). Improving agricultural waste pulps via self-blending concept with potential use in moulded pulp packaging. *Journal of Environmental Chemical Engineering*, 8(5), 104320. <https://doi.org/10.1016/j.jece.2020.104320>

Reshmy, R., Thomas, D., Philip, E., Paul, S. A., Madhavan, A., Sindhu, R., Sirohi, R., Varjani, S., Pugazhendhi, A., Pandey, A., & Binod, P. (2021). Bioplastic production from renewable lignocellulosic feedstocks: a review. *Reviews in Environmental Science and Biotechnology*, 20(1), 167–187. <https://doi.org/10.1007/s11157-021-09565-1>

Rossi, G., Conti, L., Fiorineschi, L., Marvasi, M., Monti, M., Rotini, F., Togni, M., & Barbari, M. (2020). A new eco-friendly packaging material made of straw and bioplastic. *Journal of Agricultural Engineering*, 51(4), 185–191. <https://doi.org/10.4081/jae.2020.1088>

Roy N, Saha N, Kitano T, Saha P. Biodegradation of PVP-CMC hydrogel film: A useful food packaging material. *Carbohydr. Polym.* 2012;89:346-353. <https://pubmed.ncbi.nlm.nih.gov/24750729/>

Safitri, R., Anggita, I.D., Safitri, F.M., & Ratnadewi, A.A.I., 2018, Pengaruh Konsentrasi Asam Sulfat dalam Proses Hidrolisis Selulosa dari Kulit Buah Naga Merah (*Hylocereus costaricensis*) untuk Produksi Bioetanol, 9 th Industrial Research Workshop and National Seminar Polban (IRONS 2018),

- Bandung, April 6. <https://jurnal.polban.ac.id/proceeding/article/view/1082>
- Salgado, P. R., Schmidt, V. C., Ortiz, S. E. M., Mauri, A. N., & Laurindo, J. B. (2008). *Biodegradable* foams based on cassava starch, sunflower proteins and cellulose fibers obtained by a baking process. *Journal of Food Engineering*, 85(3), 435-443. https://www.researchgate.net/publication/237823857_Biodegradable_foams_made_of_cassava_starch_and_fibers_Influence_in_the_mechanical_properties
- Sánchez-Safont, E. L., Aldureid, A., Lagarón, J. M., Gámez-Pérez, J., & Cabedo, L. (2018). Biocomposites of different lignocellulosic wastes for sustainable food packaging applications. *Composites Part B: Engineering*, 145, 215–225. <https://doi.org/10.1016/j.compositesb.2018.03.037>
- Santos, M. B., Nader, G. A., Robinson, P. H., Kiran, D., Krishnamoorthy, U., Gomes, M. J. 2010. Impact of simulated field drying on in vitro gas production and voluntary dry matter intake of rice straw. *Anim Feed Sci Technol* 159 (3-4): 96-104. <https://www.sciencedirect.com/science/article/abs/pii/S037784011000180X>
- Setiani, W., T. Sudiarti dan L. Rahmindar. 2013. Preparasi Dan Karakterisasi Edible Film Dari Poliblend Pati Sukun-Kitosan. *Jurnal Kimia Valensi* Vol. 3 No. 2, November 2013 (100- 109) ISSN : 1978 – 8193. Jurusan Kimia Fakultas Sains dan Teknologi UIN Sunan Gunung Djati Bandung. <https://journal.uinjkt.ac.id/index.php/valensi/article/view/506/331>
- Setiawan, A., Anggraini, F. D. M., Ramadani, T. A., Cahyono, L., & Rizal, M. C. (2021). Pemanfaatan Jerami Padi Sebagai Bioplastik Dengan Menggunakan Metode Perlakuan Pelarut Organik. *Metana*, 17(2), 69–80. <https://doi.org/10.14710/metana.v17i2.42254>
- Silvira, Hasyim, H., & Fauzia, L. (2013). Analisis Faktor-Faktor Yang Mempengaruhi Produksi Padi Sawah (Studi Kasus : Desa Medang, Kecamatan Medang Deras, Kabupaten Batu Bara. *Journal On Social Economic Of Agriculture And Agribusiness*, 2 (4), 1140–1146.

<https://media.neliti.com/media/publications/15053-ID-analisis-faktor-faktor-yang-mempengaruhi-produksi-padi-sawah-studi-kasus-desa-me.pdf>

Sinaga, R. F., Ginting, G. M., Ginting, M. H. S., & Hasibuan, R. (2014). Pengaruh Penambahan Gliserol Terhadap Sifat Kekuatan Tarik Dan Pemanjangan Saat Putus Bioplastik Dari Pati Umbi Talas. *Jurnal Teknik Kimia USU*, 3(2), 19-24.

<https://talenta.usu.ac.id/jtk/article/view/1608>

Sothornvit, R., & Sampoompuang, C. (2012). Rice straw paper incorporated with activated carbon as an ethylene scavenger in a paper-making process. *International Journal of Food Science and Technology*, 47(3), 511–517.

<https://doi.org/10.1111/j.1365-2621.2011.02871.x>

Sulistyaningsih, Catur Rini. 2019. “Pengolahan Limbah Jerami Padi Dengan Limbah Jamu Menjadi Pupuk Organik Plus.” *Jurnal Surya Masyarakat* 2(1):58.

<https://jurnal.unimus.ac.id/index.php/JSM/article/view/4808/4623>

Syarifudin A, Yunianta. 2015. Karakteristik edible film dari pektin albedo jeruk bali dan pati garut. *Jurnal Pangan dan Agroindustri*. 3(4) : 1538-1547.

<https://jpa.ub.ac.id/index.php/jpa/article/download/278/287/711>

Thompson RC, Moore CJ, vom Saal FS, Swan SH (2009) Plastics, the environment and human health: current consensus and future trends. *Philos Trans R Soc Lond Ser B Biol Sci* 364:2153–2166.

<https://pubmed.ncbi.nlm.nih.gov/19528062/>

University of Pittsburgh. 2010. Pitt researchers: plant-based plastics not necessarily greener than oilbased relatives.

https://www.news.pitt.edu/news/Landis_polymers_LCA

Utomo, R. 2017. Konservasi Hijauan Pakan dan Peningkatan Kualitas Bahan Pakan Berserat Tinggi. Gajah Mada University Press.

<https://ugmpress.ugm.ac.id/id/product/peternakan/konservasi-hijauan-pakan-dan-peningkatan-kualitas-bahan-pakan-berserat-tinggi-edisi-revisi>

Vieira, M. G. A., Da Silva, M. A., Dos Santos, L. O., & Beppu, M. M. (2011). Natural-based plasticizers and biopolymer films: A review. *European Polymer Journal*,

- 47(3), 254–263. <https://doi.org/10.1016/j.eurpolymj.2010.12.011>
- Viorica, N. S., M. Olteanu, M. F. Spiroiu, E. Pincu and V. Meltzer. 2011. Strach/Chitosan Film Forming Hydrogel. *Revue Romaine de Chimie*. 56(8):827-832. https://revroum.lew.ro/wp-content/uploads/2011/RRCh_8_2011/Art%2009.pdf
- Wanapat, M., Kang, S., Hankla, N., and Phesatcha, K. 2013. Effect of rice straw treatment on feed intake, rumen fermentation and milk production in lactating dairy cows. *Afr. J. Agric. Res.* 8(17):1677-1687. https://www.researchgate.net/publication/269338012_Effect_of_rice_straw_treatment_on_feed_intake_rumen_fermentation_and_milk_production_in_lactating_dairy_cows
- Wang, J., Euring, M., Ostendorf, K., & Zhang, K. (2022). Biobased materials for food packaging. *Journal of Bioresources and Bioproducts*, 7(1), 1–13. <https://doi.org/10.1016/j.jobab.2021.11.004>
- Waryat, 2013. Rekayasa proses produksi bioplastik berbahan baku pati termoplastik dan polietilen, Unpublished Doctoral's Dissertation. Institut Pertanian Bogor, Bogor. <https://adoc.pub/rekayasa-proses-produksi-bioplastik-berbahan-baku-pati-termo.html>
- Wini, S., T. Sudiarti, & L. Rahmidar. 2013. Preparasi dan Karakterisasi Edible Film dari Poliblend Pati Sukun-Kitosan. *Jurnal Valensi*, 3(2): 100-109. <https://journal.uinjkt.ac.id/index.php/valensi/article/view/506>
- Y. Tokiwa, B.P. Calabria, C.U. Ugwu, S. Aiba, Biodegradability of plastics, *Int. J. Mol. Sci.* 10 (9) (2009) 3722–3742. <https://www.mdpi.com/1422-0067/10/9/3722/pdf>
- Ying Jian Chen. 2014. Bioplastics and their role in achieving global sustainability. *Journal of Chemical and Pharmaceutical Research*, 2014, 6(1):226-231. <https://www.jocpr.com/articles/bioplastics-and-their-role-in-achieving-global-sustainability.pdf>
- Youssef, A. M., El-Samahy, M. A., & Abdel Rehim, M. H. (2012). Preparation of

conductive paper composites based on natural cellulosic fibers for packaging applications. *Carbohydrate Polymers*, 89(4), 1027–1032.

<https://doi.org/10.1016/j.carbpol.2012.03.044>

Yuli, D. 2010. Studi pembuatan dan karakteristik sifat mekanik dan hidrofobisitas bioplastik dari pati sorgum <http://jurnal.unsyiah.ac.id/RKL/article/view/79>

Zhao, H., Holladay, J.E., Kwak, J.H., Zhang, Z.C., 2007. Inverse temperaturedependent pathway of cellulose decrystallization in trifluoroacetic acid. *J. Phys. Chem. B* 111, 5295e5300.

<https://pubmed.ncbi.nlm.nih.gov/17447810/>

Zhao, X., Cheng, K., & Liu, D., 2009, Organosolv Pretreatment of Lignocellulosic Biomass For Enzymatic Hydrolysis. *Applied Microbiology and Biotechnology*, 82:815–827.

https://www.researchgate.net/publication/24005522_Organosolv_pretreatment_of_lignocellulosic_biomass_for_enzymatic_hydrolysis

Zuraida, A., Yusliza, Y., Anuar, H. & Muhaiman, R. M., 2012. The effect of water and citric acid on sago starch bio-plastics. *International Food Research Journal*, 19 (2),715-719.

[http://ifrj.upm.edu.my/19%20\(02\)%202012/\(52\)IFRJ2012%20Zuraida.pdf](http://ifrj.upm.edu.my/19%20(02)%202012/(52)IFRJ2012%20Zuraida.pdf)