

DAFTAR PUSTAKA

- Acevedo, Sasha., Alvaro, J.D.C., Edwin, F.L., Carlos, D.G.T. (2021). "Recovery of Banana Waste-Loss from Production and Processing: A Contribution to a Circular Economy". *Molecules*, 26, 52-82. [Recovery of Banana Waste-Loss from Production and Processing: A Contribution to a Circular Economy](#)
- Agustin Y. E., K. S. P. (2016). "Sintesis Bioplastik Dari Kitosan-Pati Kulit Pisang Kepok Dengan Penambahan Zat Aditif". *Jurnal Teknik Kimia*, Vol. 10. <http://ejournal.upnjatim.ac.id/index.php/tekkim/article/view/537>
- Anugrahwidya, Rahma., Bidayatul, Armynah., Dahlang, Tahir. (2021). "Bioplastics Starch-Based with Additional Fiber and Nanoparticle: Characteristics and Biodegradation Performance: A Review". *Journal of Polymers and the Environment*. <https://link.springer.com/article/10.1007/s10924-021-02152-z>
- Ardakani, K. M., A. H. Navarchian, and F. Sadeghi. (2009). "Optimization of Mechanical Properties of thermoplastic starch/clay nanocomposites." *Carbohydrate Polymers* 79, 547-554. <https://www.sciencedirect.com/science/article/abs/pii/S0144861709004962>
- Arifki, H. H., Melisa, I. B. (2018). Karakteristik dan Manfaat Tumbuhan Pisang di Indonesia: Review Artikel. *Farmaka, Suplemen*, Volume 16 No. 3. DOI : <https://doi.org/10.24198/jf.v16i3.17605>
- Arquelau, Priscila., Viviane, D. M. S., Maria, A., Raquel, L., Camila, A. (2018). Characterization of edible coatings based on ripe "Prata" banana peel flour. *Food Hydrocolloids*. <https://www.sciencedirect.com/science/article/abs/pii/S0268005X18312013>
- Averous, L. (2004) "Biodegradable Multiphase System Based on Plasticized Starch :A Review". *Journal of Macromolecular Science*. United Kingdom.

https://www.researchgate.net/publication/205116876_Biodegradable_MultiPhase_Systems_Based_on_Plasticized_Starch_A_Review

Azieyanti, N. A., Amirul, A., S.Z. Othman., H. Misran. (2020). “Mechanical and Morphology Studies of Bioplastic-Based Banana Peels”. Journal of Physics: Conference Series. <https://iopscience.iop.org/article/10.1088/1742-6596/1529/3/032091/pdf>

Badan Pengawas Obat dan Makanan. (2008). Persyaratan Penggunaan Bahan Tambahan Pangan Pemanis Buatan dalam Produk Pangan. Pusat Pengujian Obat dan Makanan Badan Pengawasan Obat dan Makanan Republik Indonesia, Jakarta. https://standarpangan.pom.go.id/dokumen/pedoman/Buku_Pedoman_PJAS_untuk_Penggunaan_BTP.pdf

Basuki, Rahmad., Ninis, H.H., Suryajaya., Sadang, Husain. (2021). “Modifikasi Polietilen sebagai komposit Plastik Polimer Biodegradable dengan Filler Tepung Kulit Pisang Talas”. Jurnal Fisika Flux: Jurnal Ilmiah Fisika FMIPA Universitas Lambung Mangkurat, Volume 18, Nomor 1. <https://ppjp.ulm.ac.id/journal/index.php/f/article/view/8386/6912>

Bello, A., K. Morales., L. Sanchez., V. Liduenez., A. Leal., G. Gelves. (2020). “Computational Implementation of Required Industrial Unit Operations for Bioplastic Production From Starch Extracted from Banana Peels by Aerobic Fermentation using *Rizophus Oryzae*”. Journal of Physics: Conference Series. <https://iopscience.iop.org/article/10.1088/1742-6596/1655/1/012078/pdf>

Bizri NJ dan Wahem AL. (1994). “Citric Acid and Antimicrobials Affect Microbiological Stability and Quality of Tomato Juice”. Journal of Food Science 59 (1): 130-134. https://www.researchgate.net/publication/230018372_Citric_Acid_and_Antimicrobials_Affect_Microbiological_Stability_and_Quality_of_Tomato_Juice

- Bourtoom, T. (2007). Effect of Some Process Parameters on The Properties of Edible Film Prepared From Starch. Department of Material Product Technology, Songkhala. https://scholar.google.com/scholar?hl=id&as_sdt=0%2C5&q=Effect+of+Some+Process+Parameters+on+The+Properties+of+Edible+Film+Prepared+From+Starch&btnG=
- Bourtoom, Thawien. (2008). "Plasticizer effect on the properties of biodegradable blend film from rice starch-chitosan." Songklanakarin Journal Science of Technology 30, no. Suppl.1, 149-155. https://www.researchgate.net/publication/26517255_Plasticizer_effect_on_the_properties_of_biodegradable_blend_from_rice_starch-chitosan
- Chodijah, S., Husaini, A., M. Zaman., Hilwatulisan. (2019). "Extraction of Pectin from Banana Peels (*Musa Paradisiaca Fomatypica*) for Biodegradable Plastic Films". IOP Conf. Series: Journal of Physics: Conf. Series 1167 01206.1. <https://iopscience.iop.org/article/10.1088/1742-6596/1167/1/012061/pdf>
- Emaga, T.H. Andrianaivo, R.H. Wathélet, B. Tchango, J.T. and Paquot, M. (2007). Effects of the stage of Maturation and Varieties on the Chemical Composition of Banana and Plantain peels. Food Chemistry, 103, 590- 600. <https://www.sciencedirect.com/science/article/abs/pii/S0308814606007023>
- Endo, Pebri D. P., Hendra, Saputra. (2020). "Karakterisasi Plastik Biodegradable Dari Pati Limbah Kulit Pisang Muli Dengan *Plasticizer* Sorbitol". Jurnal Teknologi Pertanian Andalas, Vol. 24, No. 1. <http://tpa.fateta.unand.ac.id/index.php/JTPA/article/view/285>
- Fadzil, Nur Farhana., Siti, Amira Othman. (2021). "Implementation of Nanofiller for Bioplastic Reinforcement: A Review". International Journal of Advanced Research in Technology and Innovation, Vol. 3, No. 2, 19-27. <https://myjms.mohe.gov.my/index.php/ijarti/article/view/13170>

- Food and Agriculture Organization of the United Nations. (2003). FAOSTAT Statistics Database, Agriculture. Rome, Italy.
- Ghanbarzadeh, Babak, Hadi Almasi, and Ali A. Entezami. (2010). "Improving the barrier and mechanical properties of corn starch-based edible films: Effect of citric acid and carboxymethyl cellulose." *Industrial Crops and products*. <https://www.sciencedirect.com/science/article/abs/pii/S092666901000261X>
- Gontard, N.S., Guilbert, & J.L., Cuq. (1993). "Water and Glycerol as Plasticizer effect mechanical and Water Vapor Barrier Properties of an Edible Wheat Gluten Film". *J. Food Sci.*, Vol. 58, No. 1, 206-211. https://www.researchgate.net/publication/229615981_Water_and_Glycerol_as_Plasticizers_Affect_Mechanical_and_Water_Vapor_Barrier_Properties_of_an_Edible_Wheat_Gluten_Film
- Gusti, J. A. (2010). "Pengaruh Penambahan Surfaktan pada Sintesis Senyawa Fosfat Melalui Metode Pengendapan", Universitas Andalas. <https://onsearch.id/Record/IOS2779.slims-25947>
- Hadisoewignyo, L., Foe, K., Tjandrawinata, R. R. (2016). "Isolation and characterization of Agung banana peel starch from East Java Indonesia". *International Food Research Journal*, 24(3): 1324-1330. [http://www.ifrj.upm.edu.my/24%20\(03\)%202017/\(58\).pdf](http://www.ifrj.upm.edu.my/24%20(03)%202017/(58).pdf)
- Handayani, Ratih., Murni, Yuniawati. (2018). Pengaruh Suhu dan Waktu Terhadap Kuat Tarik Pada Proses Pembuatan Plastik Dari Ganas (Gadung dan Serat Daun Nanas). *Jurnal Inovasi Proses*, Vol. 3. No. 1. <https://ejournal.akprind.ac.id/index.php/JIP/article/view/1351/1063>
- Hardjono., Profiyanti, H. S., Dita, A. P., Vivi, A. S. (2016). "Pengaruh Penambahan Asam Sitrat Terhadap Karakteristik Film Plastik Biodegradable dari Pati Kulit Pisang Kepok (*Musa Acuminata Balbisiana Colla*)". *Jurnal Bahan Alam*

- Terbarukan, 5 (1), 22-18.
<https://journal.unnes.ac.id/nju/index.php/jbat/article/viewFile/5965/4821>
- Hardoyo, Agus, E. T., Dyah, P., Hartono., & Musa. (2007). Kondisi Optimum Fermentasi Asam Asetat Menggunakan *Acetobacter aceti* B166. J. Sains MIPA, Vol. 13, No. 1. <https://jurnal.fmipa.unila.ac.id/sains/article/view/276>
- Harefa Wasnidar dan Pato Usman. (2017). “Evaluasi Tingkat Kematangan Buah Terhadap Mutu Tepung Pisang Kepok Yang Dihasilkan”. Jom Faperta. 4 No. 2. <https://www.neliti.com/id/publications/203489/evaluasi-tingkat-kematangan-buah-terhadap-mutu-tepung-pisang-kepokyang-dihasilka>
- Hartatik, YD, Nuriyah, L., Iswarin. (2014). Pengaruh Komposisi Kitosan terhadap Sifat Mekanik dan Biodegradable Bioplastik. *Physic Student Journal*, 2(1): 3-6. <https://media.neliti.com/media/publications/159022-ID-pengaruh-komposisi-kitosan-terhadap-sifa.pdf>
- Herdigenarosa, M. (2013). “Pembuatan Edible Coating dari Pektin Kulit Buah Jeruk Bali (*Citrus maxima*) dengan Variasi Sorbitol sebagai Plasticizer”. Yogyakarta: Universitas Islam Negeri Sunan Kalijaga. <http://digilib.uin-suka.ac.id/id/eprint/7276/1/BAB%20I,%20V,%20DAFTAR%20PUSTAKA.pdf>
- Hikmatun, Triyuni. (2014). “Eksperimen Penggunaan Filler Tepung Kulit Pisang Dalam Pembuatan Nugget Tempe”. *Food Science and Culinary Education Journal*, 3 (1). <https://journal.unnes.ac.id/sju/index.php/fsce/article/view/7850>
- Hoiriyah, Yuliana Ulfidatul. (2019). Peningkatan Kualitas Produksi Garam Menggunakan Teknologi Geomembran. *Jurnal Studi Manajemen dan Bisnis*, Vol. 6 (2): 35-42. <https://journal.trunojoyo.ac.id/jsmb/article/view/6684>

- Hossain, A.B.M., Nasir, A.I., Mohammed, S.A. (2016). "Nano-cellulose derived bioplastic biomaterial data for vehicle bio-bumper from banana peel waste biomass". *Data in Brief*, 8, 286–294. <https://reader.elsevier.com/reader/sd/pii/S2352340916303171?token=62BAFC9CF4BD34725CC283067D757592562E253EF4EB0BDEF3BF3F27EAA11F669B3308E93D0324FF8BD7ED075CFB1070&originRegion=eu-west-1&originCreation=20220824040124>
- Ioannou, Irina , and Mohamed Ghoul. (2013). "Prevention of Enzymatic Browning in Fruit and Vegetables." *European Scientific Journal* 9, no. 30, 310-341. https://www.researchgate.net/publication/286273634_Prevention_of_enzymatic_browning_in_fruit_and_vegetables
- Jabeen, N., I. Majid, and G. A. Nayik. (2015). "Bioplastics and Food Packaging: A Review." *Cogent Food & Agriculture* 1 (1): 1–6. <https://doi.org/10.1080/23311932.2015.1117749>
- Jacobs, H. and J.A. Delcour. (1998). "Hydrothermal modifications of granular starch with retention of the granular structure: Review". *J. Agric. Food Chem.* 46(8): 2895-2905. <https://pubs.acs.org/doi/full/10.1021/jf980169k>
- Jerez, A., Partal, P., Martinez, I., Galleges, C. and Guerrero, A. (2007). "Protein-based bioplastics: effect of thermo-mechanical processing". *Rheol Acta*, vol. 46, pp. 711-720. https://www.researchgate.net/publication/226722163_Protein-based_bioplastics_Effect_of_thermo-mechanical_processing
- Jirukkakul, N. (2016). "The study of edible film production from unripened banana flour and ripened banana puree". *International Food Research Journal*, 23(1): 95-101. [http://ifrij.upm.edu.my/23%20\(01\)%202016/\(15\).pdf](http://ifrij.upm.edu.my/23%20(01)%202016/(15).pdf)
- Kampeerappun, P., D. Aht-ong, D. Pentrakoon, and K. Srikulkit. (2007) "Preparation of cassava starch/montmorillonite composite film." *Carbohydrate Polymers*

67. https://www.researchgate.net/publication/27805747_Preparation_of_cassava_starchmontmorillonite_nanocomposite_film

Kamsiati, E., Heny, H., Endang, Y. P. (2017). Potensi Pengembangan Plastik Biodegradable Berbasis Pati Sagu dan Ubikayu di Indonesia. Jurnal Litbang Pertanian, Vol. 36, No. 2: 67-76.

<https://media.neliti.com/media/publications/229236-potensi-pengembangan-plastik-biodegradab-b00d8e35.pdf>

Kaur, Lovepreet., Sanju, Bala Dhull., Pradyuman, Kumar., Ajay, Singh. (2020). “Banana starch: Properties, description, and modified variations - A review”. International Journal of Biological Macromolecules.

<https://www.sciencedirect.com/science/article/abs/pii/S0141813020346869>

Koswara, S. (2009). Teknologi Modifikasi Pati. E-book Pangan.com.

http://tekpan.unimus.ac.id/wpcontent/uploads/2013/07/TEKNOLOGI_MODIFIKASI-PATI.pdf.

Krisyanti., Ilona Vos., Anjang P. (2020). “Pengaruh Kampanye #Pantang Plastik terhadap Sikap Ramah Lingkungan”. Jurnal Komunika, Vol. 9, No. 1.

<https://jurnal.kominfo.go.id/index.php/komunika/article/view/2387/1378>

Kumar, Senthil., Rajini, N., Alavudeen., Suchart, S., Varada, R., Nadir, A. (2019). “Development and Analysis of Completely Biodegradable Cellulose/Banana Peel Powder Composite Films”. Journal of Natural Fibers.

https://www.researchgate.net/publication/333117758_Development_and_Analysis_of_Completely_Biodegradable_CelluloseBanana_Peel_Powder_Composite_Films

Lagos, J. B., N. M. Vicentini, R. M. C. Dos Santos, A. M. Q. B. Bittante, and P. J. A. Sobral. (2015). “Mechanical Properties of Cassava Starch Films as Affected by Different Plasticizers and Different Relative Humidity Conditions.”

- International Journal of Food Studies 4 (1): 116–25.
<https://doi.org/10.7455/ijfs.v4i1.293>.
- Lai, H.M., G.W., Padua & L.S., Wei. (1997). Properties and Microstructure of Zein Sheets Plasticized With Palmitic And Stearic Acids. *Cereal Chem*, Vol. 74, No. 1, 83-90. DOI:10.1094/CCHEM.1997.74.1.83
- Lasprilla, A.J. (2012). Poly-lactic acid synthesis for application in biomedical devices—A review. *Biotechnology advances*. 30(1): p. 321-328.
<https://www.sciencedirect.com/science/article/abs/pii/S0734975011000954>
- Ma, F. X. (2009). "Preparations and properties of glycerol plasticized-pea starch/zinc oxide bionanocomposite." *Carb. Polymers* 75, 472-478.
<https://www.sciencedirect.com/science/article/abs/pii/S0144861708003652>
- Maraveas, Chrysanthos. (2020). "Production of Sustainable and Biodegradable Polymers from Agricultural Waste". *Journal Polymers*, 12, 1127.
<https://www.mdpi.com/2073-4360/12/5/1127>
- McHugh, T. H. dan Krochta, J. M. (1994). "Sorbitol vs glycerol plasticized whey protein edible films: integrated oxygen permeability and tensile property evaluation". *Journal of Agricultural Food Chemistry*, 42: 8415.
<https://pubs.acs.org/doi/pdf/10.1021/jf00040a001>
- Megawati., Elfi, Lutfiyatul. (2016). "Ekstraksi Pektin dari Kulit Pisang Kepok (*Musa paradisiaca*) Menggunakan Pelarut HCl sebagai Edible Film". *Jurnal bahan Alam Terbarukan*, 5 (1), Hal 14-21.
<https://journal.unnes.ac.id/nju/index.php/jbat/article/view/4177/4820>
- Mofokeng, JP, & Luyt, AS. (2015). Morphology and thermal degradation studies of melt-mixed poly (lactic acid) (PLA)/poly (ϵ -caprolactone) (PCL) biodegradable

- polymer blend nanocomposites with TiO₂ as filler. *Polymer Testing*, 45, 93-100.
<https://www.sciencedirect.com/science/article/abs/pii/S0142941815001269>
- Nguyen, Thi Bich Thuy, Saichol Ketsa, and Wouter G. van Doorn. (2003). "Relationship between browning and the activities of polyphenol oxidase and phenylalanine ammonia lyase in banana peel during low temperature storage." *Postharvest Biology and Technology* 30, 187-193.
<https://www.sciencedirect.com/science/article/abs/pii/S0925521403001030>
- Ningrum, E. O., Ardiani, L., Rohmah, N. A., & Fajar, N. (2019). Modifikasi Biokomposit Kitosan dari Cangkang Rajungan (*Portunus Pelagicus*) dan Pektin untuk Aplikasi Edible Film. *Prosiding Seminar Nasional Teknik Kimia "Kejuangan" Pengembangan Teknologi Kimia Untuk Pengolahan Sumber Daya Alam Indonesia*, 4-9.
<http://jurnal.upnyk.ac.id/index.php/kejuangan/article/view/2820>
- Nurminah, M. (2002). "Penelitian Sifat Berbagai Bahan Kemasan Plastik dan Kertas serta Pengaruhnya terhadap Bahan yang Dikemas". *Teknologi Pertanian, Fakultas Pertanian USU*.
<https://repository.usu.ac.id/bitstream/handle/123456789/7343/fpmimi.pdf?sequence=2>
- Oetary, D., Syaubari, Riza, M. (2019). Pengujian Mekanik dan Biodegradabilitas Plastik Biodegradable Berbahan Baku Pati Bonggol Pisang dengan Penambahan Kitosan, Sorbitol, dan Minyak Kayu Manis. *Serambi Engineering*. IV: 565-572.
https://www.researchgate.net/publication/336485429_Pengujian_Mekanik_dan_Biodegradabilitas_Plastik_Biodegradable_Berbahan_Baku_Pati_Bonggol_Pisang_dengan_Penambahan_Kitosan_Sorbitol_dan_Minyak_Kayu_Manis/fulltext/5da2951245851553ff8c2aed/Pengujian-MekanikdanBiodegradabilitasPlastik-Biodegradable-Berbahan-Baku-PatiBonggolPisangdenganPenambahanKitosan-Sorbitol-dan-Minyak-Kayu-Manis.pdf

- Pagliari, Mario., Rossi, Michele. (2008). "The Future of Glycerol: New Uses of a Versatile Raw Material". RSC Green Chemistry Book Series. <https://doi.org/10.1039/9781847558305>
- Palupi, H. T. (2012). "Pengaruh Jenis Pisang Dan Bahan Perendam Terhadap Karakteristik Tepung Pisang (Musa Spp)." Teknologi Pangan : Media Informasi Dan Komunikasi Ilmiah Teknologi Pertanian 4 (1). <https://doi.org/10.35891/tp.v4i1.21>.
- Park HM, S.R Lee, S.R Chowdhury, T.K Kang, H.K Kim, S.H Park dan C.S Ha. (2002). Tensile Properties, Morphology and Biodegradability of Blends Starch with Various Thermoplastics. J Appl Polym Sci (86): 2907 – 2915. DOI:[10.1002/APP.11332](https://doi.org/10.1002/APP.11332)
- Prasetya, Isnani., Siti, Hani I., Yamntana. (2016). "Pembuatan Bioplastik Berbahan Bonggol Pisang dengan Penambahan Gliserol". Jurnal Kesehatan Lingkungan, Vol. 8, No.2. <https://ejournal.poltekkesjogja.ac.id/index.php/Sanitasi/article/view/740>
- Praswanto, D. H., Soeparno, D., Eko, Y. S. (2020). "Karakteristik Kekuatan Tarik dan Morfologi Biokomposit Pelelah Pisang Raksasa". Jurnal Flywheel, Volume 11, Nomor 1. https://www.researchgate.net/publication/346050743_Karakteristik_Kekuatan_Tarik_Dan_Morfologi_Biokomposit_Pelelah_Pisang_Raksasa
- Pratiwi, Rianta. (2014). Manfaat Kitin dan Kitosan Bagi Kehidupan Manusia. Oseana, Volume xxxix, Nomor 1, 35-43. <http://lipi.go.id/publikasi/manfaat-kitindankitisanbagikehidupanmanusia/1349#:~:text=Kitin%20dan%20kitosan%20memiliki%20kegunaan,anti%20kanker%2C%20dan%20anti%20bakteri>.
- Purbasari, A., Anissa, A. W., Fikri, M. M. (2020). "Sifat Mekanis dan Fisis Bioplastik dari Kulit Pisang: Pengaruh Jenis dan Konsentrasi Pemlastis". Jurnal

- Kimia dan Kemasan, 42(2), 66-73.
http://litbang.kemenperin.go.id/jkk/article/view/5872/pdf_78
- Putra, A. D, Johan, V. S, & Efendi, R. (2017). Penambahan Sorbitol Sebagai Plasticizer Dalam Pembuatan Edible Film Pati Sukun. JOM Fakultas Pertanian, 4(2), 1–15. <https://media.neliti.com/media/publications/202384-penambahan-sorbitol-sebagai-plasticizer.pdf>
- Qiao, X., Z. Tang, and K. Sun. (2010). "Plasticization of corn starch by polyol mixtures." *Carbohydrate Polymers* 83, 659-664.
<https://www.sciencedirect.com/science/article/abs/pii/S0144861710006703>
- Rafee, Siti N. A., Yit, Leng Lee., Mohd, Riduan J., Norawanis, A. R., Nur, Lailina M., Ras, Izzati. (2019). "Effect of Different Ratios of Biomaterials to Banana Peels on the Weight Loss of Biodegradable Pots". *Acta Technologica Agriculturae*. <https://doi.org/10.2478/ata-2019-0001>
- Raina, C., Singh, S., Bawa, A., and Saxena, D. (2006). "Some characteristics of acetylated, crosslinked and dual modified Indian rice starches". *European Food Research and Technology*, v. 223, p. 561-570.
<https://link.springer.com/article/10.1007/s00217-005-0239-z>
- Rana, G.K., Singh, Y., S.P. Mishra., Hemant, K. R. (2018). "Potential Use of Banana and Its By-products: A Review". *International Journal of Current Microbiology and Applied Sciences*, Vol. 7 No. 06.
https://www.researchgate.net/publication/326224272_Potential_Use_of_Banana_and_Its_By-products_A_Review
- Regubalan, B., Pindu Padit., Saptarshi Maiti., Gayatri, T., Nadathur., & Aranya, Mallick. (2018). Potential Bio-Based Edible Films, Foams, and Hydrogels for Food Packaging. *Bio-based Materials for Food Packaging*.
https://doi.org/10.1007/978-981-13-1909-9_5

- Rohaya, M.S. masket, dkk. (2013). Rheological properties of different degree of pregelatinized rice flour batter. *Sains Malaysia* 42: 1707-1714. http://www.ukm.edu.my/jsm/pdf_files/SMPDF42122013/03%20M.S.%20Rohaya.pdf
- Santoso, B., D., Saputra, & R., Pambayun. (2004). Kajian Teknologi Edible Coating dari Pati dan Aplikasinya Untuk Pengemas Primer Lempok Durian. *Jurnal Teknol dan Industri Pangan* XV (3). <https://doaj.org/article/4b846a89e78d4b8ba8907c3ac8184184>
- Sanyang, M. L., S. M. Sapuan, M. Jawaid, M. R. Ishak, and J. Sahari. (2015). “Effect of Plasticizer Type and Concentration on Tensile, Thermal and Barrier Properties of Biodegradable Films Based on Sugar Palm (Arenga Pinnata) Starch.” *Polymers* 7 (6): 1106–24. <https://doi.org/10.3390/polym7061106>.
- Septiosari, A., Latifah, Kusumastuti, E. (2014). Pembuatan dan karakterisasi bioplastik limbah biji mangga dengan penambahan selulosa dan gliserol. *Jurnal Penelitian Kimia*. 3(2): 157-162. <https://garuda.kemdikbud.go.id/documents/detail/488086>
- Setiani, W., T. Sudiarti dan L. Rahmidar. (2013). “Preparasi dan Karakterisasi Edible Film dari Poliblend Pati Sukun-Kitosan.” *Jurnal Sains dan Teknologi UIN Sunan Gunung Djati*, Vol.3(2) : 106 – 108. <https://journal.uinjkt.ac.id/index.php/valensi/article/view/506/331>
- Shafqat, Arifa., Arifa, Tahir., Adeel, Mahmood., Arivalagan, Pugazhendi. (2020). “A review on environmental significance carbon foot prints of starch based bio-plastic: A substitute of conventional plastics”. *Journal Pre-proof Biocatalysis and Agricultural Biotechnology*. <https://www.sciencedirect.com/science/article/abs/pii/S1878818119306772>

- Shah, Manali., Sanjukta, Rajhans., Himanshu, A.P., Archana, U.M. (2021). "Bioplastic for future: A review then and now". *Word Journal of Advanced Research and Reviews*, 09 (02) 056-067. <https://wjarr.com/sites/default/files/WJARR-2021-0054.pdf>
- Shi, Rui, *et al.* (2007). "Characterization of citric acid/glycerol co-plasticized thermoplastic starch prepared by melt blending." *Carbohydrate Polymers* 69. <https://www.sciencedirect.com/science/article/abs/pii/S014486170700121X>
- Shinde, Mrunali., Sachin, K.S., Sonal, Patil. (2019). "Fruit Peel Utilization in Food Packaging". *Indian Food Industry*, Vol. 1, No. 5. https://www.researchgate.net/publication/339912170_Fruit_Peel_Utilization_in_Food_Packaging
- Sidek, Izathul Shafina., Sarifah, Fauziah Syed., Siti, Rozaimah S.A., Nornizar, Anuar. (2019). "Current Development On Bioplastics And Its Future Prospects: An Introductory Review". *I Tech Mag*, Vol. 1, 03-08. https://www.researchgate.net/publication/336610404_CURRENT_DEVELOPMENT_ON_BIOPLASTICS_AND_ITS_FUTURE_PROSPECTS_AN_INTRODUCTORY_REVIEW
- Sinaga, R. F., Gita, M. G., M. Hendra S., & Rosdanelli, H. (2014). "Pengaruh Penambahan Gliserol Terhadap Sifat Kekuatan Tarik Dan Pemanjangan Saat Putus Bioplastik Dari Pati Umbi Talas". *Jurnal Teknik Kimia USU*, Vol. 3, No. 2. <https://core.ac.uk/download/pdf/270239382.pdf>
- Siracusa, V., P., Rocculi, S., Romani, M.D., Rosa. (2008). *Biodegradable Polymers for Food Packaging: A Review*. *Trends in Food Science & Technology*. <https://www.sciencedirect.com/science/article/abs/pii/S0924224408002185>

- Soesilo, Diana, dkk. (2005). Peranan Sorbitol dalam Mempertahankan Kestabilan pH Saliva pada Proses Pencegahan Karies. *Maj. Ked. Gigi. (Dent. J.)* 38 (1): 25-28. <https://doi.org/10.20473/j.djmg.v38.i1.p25-28>
- Sofiah., Yuniar., Martha, Azunary., Melianti. (2019). "Mechanical Properties of Bioplastics Product from *Musa Paradisiaca* Formatypica Concentrate with Plasticizer Variables". *IOP Conf. Series, Journal of Physics Conf. Series* 1167 012048. <https://iopscience.iop.org/article/10.1088/1742-6596/1167/1/012048/pdf>
- Sugiharto, Agung., Adilla, Syarifa., Nindita, Handayani., Rizky, Mahendra. (2020). "Pengaruh Kitosan, Tanah Liat, dan CMC Terhadap Sifat Fisikokimia Bioplastik Dari Umbi Pisang dengan Gliserol". *Jurnal Bahan Alam Terbarukan*, 10 (1), Hal 31-35. <https://journal.unnes.ac.id/nju/index.php/jbat/article/view/25323>
- Suharti, Profiyanti Hermien, Nanik Hendrawati, and Arief Suharti. (2015). "Studi Awal Pemanfaatan Limbah Kulit Pisang Kepok (*Musa acuminata* balbisiana Colla) sebagai Bahan Baku Pembuatan Film Biodegradable." *Jurnal Teknik: Ilmu dan Aplikasi*. https://scholar.google.co.id/scholar?hl=en&as_sdt=0,5&cluster=1750454623979901668
- Suppakul, P. (2006). "Plasticizer and Relative Humidity Effects on Mechanical Properties of Cassava Flour Films". Department of Packaging Technology. Faculty of Agro-Industry. Kasetsart University. Bangkok. https://scholar.google.com/scholar?hl=id&as_sdt=0%2C5&q=Plasticizer+and+Relative+Humidity+Effects+on+Mechanical+Properties+of+Cassava+Flour+Films.+Department+of+Packaging+Technology&btnG=
- Surdia, N.M. (2000). Degradasi Polimer. *Majalah Polimer Indonesia*, Vol. 3, No.1, 20-21. <http://hpi-polimer.org/publishing/11-majalah-polimer-indonesia-mpi>

- Suryalita. (2019). Review Beraneka Ragam Jenis Pisang dan Manfaatnya. Prosiding Seminar Nasional Biodiversitas Indonesia. <http://journal.uin-alauddin.ac.id/index.php/psb>
- Udjiana, S.S., Sigit, Hadiantharo., Anang, Takwanto., Anugrah, W.M. (2020). “Peningkatan Karakteristik Biodegradable Plastics dari Kulit Pisang Candi dengan Penambahan Filler Kalsium Silikat dan Clay”. Jurnal Teknik Kimia dan Lingkungan, 4 (2), 175-185. <http://jtkl.polinema.ac.id/index.php/jtkl/article/view/135/pdf>
- Utami, M. R., L. Latifah, and N. Widiarti. 2014. “Sintesis Plastik Biodegradable Dari Kulit Pisang Dengan Penambahan Kitosan Dan Plasticizer Gliserol.” Indonesia Journal of Chemical Science 3 (2): 163–67. DOI 10.15294/IJCS.V4I2.6166
- Vieira, M. G. A., M. A. Da Silva, L. O. Dos Santos, and M. M. Beppu. 2011. “Natural-Based Plasticizers and Biopolymer Films: A Review.” European Polymer Journal 47 (3): 254–63. <https://doi.org/10.1016/j.eurpolymj.2010.12.011>
- Villadiego, Jeiffer., Jose, Garcia., M. V. Vidal., Jorgelina, P., Pedro, M. C., Henry, A. (2018). “Chemical Modification and Characterization of Starch Derived from Plantain (*Musa paradisiaca*) Peel Waste, as a Source of Biodegradable Material”. Chemical Engineering Transactions, Vol. 65. https://www.researchgate.net/publication/326477341_Chemical_modification_and_characterization_of_starch_derived_from_plantain_Musa_paradisiaca_peel_waste_as_a_source_of_biodegradable_material
- Wahyuningtiyas, N. E., and H. Suryanto. 2017. “Analysis of Biodegradation of Bioplastics Made of Cassava Starch.” Journal of Mechanical Engineering Science and Technology 1 (1): 24–31. <https://doi.org/10.17977/um016v1i12017p024>.

- Widodo, L. P., Sheila, N. W., Ni Made V. (2019). "Pembuatan Edible film dari Labu Kuning dan Kitosan dengan Gliserol Sebagai Plasticizer". Jurnal Teknologi Pangan, Vol. 13, No. 1. <https://core.ac.uk/download/pdf/234615593.pdf>
- Widyaningsih, Senny., Kartika, Dwi., Nurhayati, Yuni Tri. (2012). "Pengaruh Penambahan Sorbitol Dan Kalsium Karbonat Terhadap Karakteristik Dan Sifat Biodegradasi Film Dari Pati Kulit Pisang." Molekul 7, No. 1, 69-81. <http://jmolekul.com/downloads/7.1.69.pdf>
- Yang, June-Ho, Jongshin Park, Daehyun Kim, and DaeHoon Lee. (2004). "Effect of Calcium Carbonate as the Expanding Inhibitor on the Structural and Mechanical Properties of Expanded Starch/Polyvinyl Alcohol Blends." Journal of Applied Polymer Science 93, 1762-1768. <https://onlinelibrary.wiley.com/doi/full/10.1002/app.20625>
- Yuniarti, L. I., S. H. Gatot., A. Rahim. (2014). Sintesis dan Karakterisasi Bioplastik Berbahan Pati Sagu. E-Jurnal Agrotekbis, 2(1): 38-46. <https://media.neliti.com/media/publications/246268-none-70e1bb8e.pdf>
- Yusuf, Nik. A., Ernie, S. R., Mazlan, M., Mohamad, B. A., Mahani, Y., Muhammad, Azwandi. S., Muhammad, Iqbal. (2015). "Waste Banana Peel and Its Potentialization in Agricultural Applications: Morphology Overview". Materials Science Forum, Vol. 840, 394-398. https://www.researchgate.net/publication/283894172_Waste_Banana_Peel_and_Its_Potentialization_in_Agricultural_Applications_Morphology_Overview
- Zuchrillah, D.R., Lily, Pudjiastuti., Niniek, F.P., Afan, Hamzah., Achmad, D.K., Agus, Surono., Saidah, Altway., Liana, Ardiani., Nur, A.R., Eva, O.K. (2020). "Karakteristik Biokomposit Edible Film dari Campuran Kitosan dan Pektin Limbah Kulit Pisang Kepok (*Musa acuminata*)". CHEESA: Chemical Engineering Research Articles, Vol. 3 No. 1 Hal 33-41. <http://e-journal.unipma.ac.id/index.php/cheesa/article/view/6659/pdf>