

DAFTAR PUSTAKA

Commented [5]: daftar pustaka disesuaikan, saya cek ada yg judulnya capslock ada yg engga

- [1] D. Kingsley, K. Ghosh, T. Bhattacharya, A. Biswas, dan R. Mandal, "Eco-Friendly Bioplastics from Natural Raw Materials," *International Research Journal of Engineering and Technology*, 2020, [Daring]. Tersedia pada: www.irjet.net
- [2] A. Pujiati, "Disonasi Kognitif Perilaku Mahasiswa Terhadap Bahaya Mikroplastik," *Journal Bionatural*, vol. 11, no. 1, hlm. 126–131, 2024, [Daring]. Tersedia pada: <https://ejournal.stkipbbm.ac.id/index.php/bio>
- [3] Altalhi, "Handbook of Bioplastics and Biocomposites Engineering Applications," 2023.
- [4] A. Ansori, A. N. L. Rachmah, dan R. Sekaringgalih, "Pembuatan Biodegradable Film dari Biji Alpukat (Persia Americana): Optimasi dengan Box-Behnken Design," *Jurnal Teknologi Kimia Mineral*, vol. 3, no. 1, hlm. 43–52, Agu 2024, doi: 10.61844/jtkm.v3i1.833.
- [5] A. Josi Nur Aziza *dkk.*, "Pembuatan dan Karakterisasi Edible Film dari Pati Jagung (*Zea mays L.*)," 2024.
- [6] Cengristitama, "Pengaruh Penambahan Kitosan dan Plasticizer Sorbitol pada Proses Pembuatan Plastik Biodegradable Berbahan Dasar Pati Kulit Pisang Tanduk," *Pengaruh Penambahan Kitosan dan Plasticizer Sorbitol pada Proses Pembuatan Plastik Biodegradable Berbahan Dasar Pati Kuli Pisang*, 2023.
- [7] A. H. Yustianto, D. A. Sully, A. D. Fauzi, dan R. Amalia, "The Effect of Differences in the Use of Flour and Plasticizers in Making Biodegradable Plastic on the Physical Characteristics of Beeswax," *Journal of Vocational Studies on Applied Research*, vol. 6, no. 2, hlm. 14–21, Des 2024, doi: 10.14710/jvsar.v6i2.24257.
- [8] M. T. Phuong Nguyen, M. Escribà-Gelonch, V. Hessel, dan B. R. Coad, "A Review of the Current and Future Prospects for Producing Bioplastic Films Made from Starch and Chitosan," 5 Februari 2024, *American Chemical Society*. doi: 10.1021/acssuschemeng.3c06094.
- [9] M. Afif, "Pembuatan dan Karakterisasi Bioplastik dari Pati Biji Alpukat-Kitosan dengan Plasticizer Sorbitol," 2018. [Daring]. Tersedia pada: <http://journal.unnes.ac.id/sju/index.php/ijcs>
- [10] S. X. Tan, H. C. Ong, dan A. Andriyana, "Characterization and Parametric Study on Mechanical Properties Enhancement in Biodegradable Chitosan-Reinforced Starch-Based Bioplastic Film," *Polymers (Basel)*, vol. 14, no. 2, Jan 2022, doi: 10.3390/polym14020278.

- [11] P. G. Seligra, C. Medina Jaramillo, L. Famá, dan S. Goyanes, "Biodegradable and Non-Retrogradable Eco-Films Based on Starch-Glycerol with Citric Acid as Crosslinking Agent," *Carbohydr Polym*, vol. 138, hlm. 66–74, Mar 2016, doi: 10.1016/j.carbpol.2015.11.041.
- [12] S. Joseph *dkk.*, "Biodegradable Plastics from Mango Seed Starch for Sustainable Food Packaging-Effect of Citric Acid and Fillers," *Chemistry Select*, vol. 9, no. 22, Jun 2024, doi: 10.1002/slct.202401312.
- [13] H. Wu *dkk.*, "Effect of citric acid induced crosslinking on the structure and properties of potato starch/chitosan composite films," *Food Hydrocoll*, vol. 97, Des 2019, doi: 10.1016/j.foodhyd.2019.105208.
- [14] Sina Ebnesajjad, *Handbook of Biopolymers and Biodegradable Plastics*. 2013.
- [15] W. Thomas & Atwell, *Starches: Practical Guides for the Food Industry*. Eagan Press Handbook Series, 1999. [Daring]. Tersedia pada: <https://archive.org/details/starchesdavidjth0000thom>
- [16] M. D. Hazrol, S. M. Sapuan, E. S. Zainudin, M. Y. M. Zuhri, dan N. I. A. Wahab, "Corn starch (*Zea mays*) biopolymer plastic reaction in combination with sorbitol and glycerol," *Polymers (Basel)*, vol. 13, no. 2, hlm. 1–22, Jan 2021, doi: 10.3390/polym13020242.
- [17] W. Abotbina, S. M. Sapuan, dan S. Sulaiman, "Review of Corn Starch Biopolymer," 2020. [Daring]. Tersedia pada: <https://www.researchgate.net/publication/345922061>
- [18] D. Domene-López, J. C. García-Quesada, I. Martín-Gullón, dan M. G. Montalbán, "Influence of starch composition and molecular weight on physicochemical properties of biodegradable films," *Polymers (Basel)*, vol. 11, no. 7, 2019, doi: 10.3390/polym11071084.
- [19] N. Alemu, S. Balakrishnan, dan B. Debtera, "Extraction and Characterisation of Avocado Seed Starch, and Its Blend with Enset Cellulosic," *Advances in Materials Science and Engineering*, vol. 2022, 2022, doi: 10.1155/2022/9908295.
- [20] D. Fu dan A. N. Netravali, "Green Composites Based on Avocado Seed Starch and Nano- and Micro-Scale Cellulose," *Polym Compos*, vol. 41, no. 11, hlm. 4631–4648, Nov 2020, doi: 10.1002/pc.25739.
- [21] M. Kusmiyati, "Pemanfaatan Limbah Biji Mangga Menjadi Pati Sebagai Bahan Baku Bedak Dingin/Masker di Puskesmas Pasirkaliki (RW 08 dan RW 19) Kota Cimahi," vol. 2, no. 2, 2019.

- [22] R. A. Mudaffar, "Karakteristik Edible Film dari Limbah Kulit Singkong dengan Penambahan Kombinasi Plasticizer Serta Aplikasinya pada Buah Nanas Terolah Minimal," *Journal TABARO Agriculture Science*, vol. 4, no. 2, hlm. 473, Feb 2021, doi: 10.35914/tabaro.v4i2.669.
- [23] T. Happi Emaga, R. H. Andrianaivo, B. Wathélet, J. T. Tchango, dan M. Paquot, "Effects of the Stage of Maturation and Varieties on the Chemical Composition of Banana and Plantain Peels," *Food Chem*, vol. 103, no. 2, hlm. 590–600, 2007, doi: 10.1016/j.foodchem.2006.09.006.
- [24] C. Marques, R. Tarek, M. Sara, dan S. K. Brar, "Sorbitol Production from Biomass and Its Global Market," dalam *Platform Chemical Biorefinery: Future Green Chemistry*, Elsevier, 2016, hlm. 217–227. doi: 10.1016/B978-0-12-802980-0.00012-2.
- [25] I. Aranaz dkk., "Chitosan: An Overview of Its Properties and Applications," 1 Oktober 2021, *MDPI*. doi: 10.3390/polym13193256.
- [26] Muhammad, "Sintesis Bioplastik dari Pati Biji Alpukat dengan Bahan Pengisi Kitosan," 2020.
- [27] F. H. Verhoff dan H. Bauweleers, "Citric Acid," dalam *Ullmann's Encyclopedia of Industrial Chemistry*, Weinheim, Germany: Wiley-VCH Verlag GmbH & Co. KGaA, 2014, hlm. 1–11. doi: 10.1002/14356007.a07_103.pub3.
- [28] Rui Yang, *Analytical Methods for Polymer Characterization*. 2018. [Daring]. Tersedia pada: <http://taylorandfrancis.com>
- [29] J. Y. Kim, Y. K. Lee, dan Y. H. Chang, "Structure and digestibility properties of resistant rice starch cross-linked with citric acid," *Int J Food Prop*, vol. 20, hlm. 2166–2177, Des 2017, doi: 10.1080/10942912.2017.1368551.
- [30] S. Joseph dkk., "Biodegradable Plastics from Mango Seed Starch for Sustainable Food Packaging-Effect of Citric Acid and Fillers," *ChemistrySelect*, vol. 9, no. 22, Jun 2024, doi: 10.1002/slct.202401312.
- [31] Z. Fei, S. Huang, J. Yin, F. Xu, dan Y. Zhang, "Preparation and Characterization of Bio-based Degradable Plastic Films Composed of Cellulose Acetate and Starch Acetate," *J Polym Environ*, vol. 23, no. 3, hlm. 383–391, Sep 2015, doi: 10.1007/s10924-015-0711-1.
- [32] M. Esmaili, G. Pircheraghi, dan R. Bagheri, "Optimizing the mechanical and physical properties of thermoplastic starch via tuning the molecular microstructure through co-plasticization by sorbitol and glycerol," *Polym Int*, vol. 66, no. 6, hlm. 809–819, Jun 2017, doi: 10.1002/pi.5319.

- [33] U. Rohmatun, “Sintesis dan Karakterisasi Biodegradable Foam Pati Talas (*Colocasia esculenta*)- Kitosan,” 2022.

LAMPIRAN

LAMPIRAN A Lembar Bimbingan Tugas Akhir dengan Dosen Pembimbing

Lembar Bimbingan Tugas Akhir dengan Dosen Pembimbing

Nama: Khairunnisa Nurul Fathanah

NIM: 1520028

Judul Penelitian: Pengaruh Penambahan Asam Sitrat Terhadap Karakteristik Bioplastik Berbasis Pati Jagung, Sorbitol, dan Kitosan

Pembimbing: Silvia, S.Si., M.T

Tanggal	BAB	Keterangan	Paraf
24 Januari 2025	-	Menyiapkan topik tugas akhir	X
12 Februari 2025	-	Mengajukan topik tugas akhir	X
17 Februari 2025	-	Mengumpulkan studi literatur yang digunakan sesuai dengan topik penelitian	X
24 Februari 2025	-	Diskusi penentuan bahan dan pengujian untuk judul penelitian	X
26 Februari 2025	-	Diskusi penentuan bahan, variasi, dan pengujian untuk judul penelitian	X
3 Maret 2025	I	Mengirim BAB I proposal tugas akhir	X
7 Maret 2025	I sampai II	Mengirimkan hasil BAB I dan BAB II serta perbaikan revisi	X
14 Maret 2025	I sampai III	Bimbingan dan mengumpulkan proposal tugas akhir yang direvisi serta melanjutkan hingga Bab III	X
26 Maret 2025	I sampai III	Pengumpulan proposal tugas akhir yang sudah direvisi	X
11 April 2025	I sampai III	Pengumpulan proposal tugas akhir hasil revisi untuk ditandatangani	X
25 April 2025	-	Diskusi mengenai progress penelitian	X