

DAFTAR PUSTAKA

- Acosta, A. P., Otoni, C. G., Missio, A. L., Amico, S. C., & Delucis, R. de A. (2022). Rigid Polyurethane Biofoams Filled with Chemically Compatible Fruit Peels. *Polymers*, *14*(4526).
- Agus, J., Ramadhani, S., Sabrini, P. N., Wulandari, D. R., & Ruslan, Z. A. (2023). Pengembangan Biodegradable Foam Berbahan Dasar Pati dari Ekstrak Jagung dengan Penambahan Serat dari Pelepah Pisang. *Junal Chemica*, *24*(1), 78–86.
- Akmala, A., & Supriyo, E. (2020). Optimasi Konsentrasi Selulosa pada Pembuatan Biodegradable Foam dari Selulosa dan Tepung Singkong. *Pentana: Jurnal Penelitian Terapan*, *01*(1), 27–40.
- Alimah, S., Putri, S. H., & Nurliasari, D. (2023). Perbandingan Karakteristik Kemasan Plastik Berbasis Pati Ubi dan Kulit Singkong : Kajian Literatur. *Biomass, Biorefinery, and Bioeconomy*, *1*(1), 44–60.
- Ananda, P. D., Kumar, G. S., & Kumar, S. A. (2024). Drying Kinetics and Mathematical Modelling of Raisin Production by Abrasive and Chemical Pre-Treatment of Grapes. *Journal of Scientific and Industrial Research*, *83*(4), 350–361. <https://doi.org/10.56042/jsir.v83i4.5882>
- Bahri, S., Fitriani, & Jalaluddin. (2021). Pembuatan Biofoam Dari Ampas Tebu Dan Tepung Maizena. *Jurnal Teknologi Kimia Unimal*, *1*, 24–32.
- Barbosa-Nuñez, J. A., Espinosa-Andrews, H., Cardona, A. A. V., & Haro-González, J. N. (2024). Polymer-based encapsulation in food products: a comprehensive review of applications and advancements. In *Journal of Future Foods* (Vol. 5, Issue 1, pp. 36–49). Beijing Academy of Food Sciences. <https://doi.org/10.1016/j.jfutfo.2024.01.003>
- Cornellia, A. Della, Ashifa, N. A., Churmelia, A. F., Fikri, S. R. Al, & Radianto, D. O. (2023). Kombinasi Jerami dan Ampas Tebu Sebagai Biofoam High Durability dan Waterproof dengan Metode Mixing dan Molding. *Koloni: Jurnal Multidisiplin Ilmu*, *2*(2), 49–54.
- Daud, A., Suriati, & Nuzulyanti. (2019). Kajian Penerapan Faktor yang Mempengaruhi Akurasi Penentuan. *Lutjanus*, *24*(2), 11–16.
- Dawa, Q., Hua, Y., Chamba, M. V. M., Masamba, K. G., & Zhang, C. (2014). Effect of Xanthan and Arabic Gums on Foaming Properties of Pumpkin (Cucurbita pepo) Seed Protein Isolate. *Journal of Food Research*, *3*(1), 87–95. <https://doi.org/10.5539/jfr.v3n1p87>
- Fauzi, A. R., Sarofa, U., & Rosida, D. F. (2024). Characteristics of Biodegradable Foam with Proportional Treatment of Tapioca Flour and Soybean Peel Flour with Added Glycerol. *AJARCADE (Asian Journal of Applied Research for Community Development and Empowerment)*, *8*(2), 246–253.

<https://doi.org/10.29165/ajarcde.v8i2.433>

- Febriani, H., Kurnia, K. I. F., & Pangarso, Z. D. (2021). Pembuatan dan Karakterisasi Fisik Biodegradable Foam Pati Kulit Pisang dan Selulosa Ampas Tebu. *Jurnal Ilmiah Penalaran Dan Penelitian Mahasiswa*, 5(1), 1–13.
- Ferdiansyah, P., Harsojuwono, B. A., & Arnata, I. W. (2022). Pengaruh Konsentrasi Asam Stearat dan Selulosa dari Limbah Padat Pengolahan Tapioka terhadap Karakteristik Biokomposit Foam Tapioka dan Glukomanan. *Jurnal Ilmiah Teknologi Pertanian Agrotechno*, 7(2), 114–122.
- Fitria, E. A., Warsiki, E., & Yuliasih, I. (2017). Model Kinetika Perubahan Warna Label Indikator Dari Klorofil Daun Singkong (*Manihot esculenta* Crantz). *Jurnal Teknologi Industri Pertanian*, 27(1), 17–23.
- Fitriani, S., Riftyan, E., Saputra, E., & Rohmah, M. C. (2023). Karakteristik dan Profil Pasta Pati Sagu Modifikasi Prigelatinisasi pada Suhu yang Berbeda Characteristics and Pasting Profile of Modified Pregelatinization Sago Starch at Different Temperature. *Jurnal Teknologi Hasil Pertanian*, 16(2), 104–115.
- Gabriel, A. A., & Afandi, L. R. P. (2022). Optimization of material formulation and process parameters in canna edulis starch-based biofoam synthesis. *IOP Conference Series: Earth and Environmental Science*, 1114(1). <https://doi.org/10.1088/1755-1315/1114/1/012097>
- Gabriel, A. A., Solikhah, A. F., Rahmawati, A. Y., Taradipa, Y. S., & Maulida, E. T. (2021). Potentials of Edible Canna (*Canna edulis* Kerr) Starch for Bioplastic : A Review. *Jurnal Teknologi Dan Manajemen Agroindustri*, 10(2), 182–191.
- Gebre, G. D., Keneni, Y. G., Gebremariam, S. N., & Marchetti, J. M. (2024). Drying kinetics and mathematical modeling of seeds of two mango varieties at different temperatures and with different pretreatments. *Biofuels, Bioproducts and Biorefining*, 18(4), 899–926. <https://doi.org/10.1002/bbb.2611>
- Hevira, L., Ariza, D., & Rahmi, A. (2021). Pembuatan Biofoam Berbahan Dasar Ampas Tebu dan Whey. *Jurnal Kimia Dan Kemasan*, 43(2), 75. <https://doi.org/10.24817/jkk.v43i2.6718>
- Indarti, E., Muliani, S., & Yunita, D. (2023). Characteristics of Biofoam Cups Made from Sugarcane Bagasse with *Rhizopus oligosporus* as Binding Agent. *Advances in Polymer Technology*, 2023. <https://doi.org/10.1155/2023/8257317>
- Inyang, U. ., Etuk, B. ., & Obboh, I. . (2021). Modelling of Thin Layer Drying of Cocoyam Slices of Varying Thickness at Different Temperatures ARTICLE INFORMATION ABSTRACT. In *Nigerian Research Journal of Engineering and Environmental Sciences* (Vol. 6, Issue 1).
- Irawan, C., Aliah, & Ardiansyah. (2018). Biodegradable Foam dari Bonggol Pisang dan Ubi Nagara sebagai Kemasan Makanan yang Ramah Lingkungan. *Jurnal Riset Industri Hasil Hutan*, 10(1), 33–41.

- Jumaidin, R., Adam, N. W., Ilyas, R. A., Hussin, M. S. F., Taha, M. M., Mansor, M. R., Azlan, U. A.-A., & Yob, M. S. (2019). Water Transport and Physical Properties of Sugarcane Bagasse Fibre Reinforced Thermoplastic Potato Starch Biocomposite. *Journal of Advanced Research in Fluid Mechanics and Thermal Sciences*, 61(2), 273–281.
- Kiprop, V. J., Omwamba, M. N., & Mahungu, S. M. (2021). Influence of Gum Arabic from *Acacia senegal* var. *kerensis* on the Modifications of Pasting and Textural Properties of Cassava and Corn Starches. *Food and Nutrition Sciences*, 12(11), 1098–1115. <https://doi.org/10.4236/fns.2021.1211081>
- Kusuma, H. S., Permatasari, D., Umar, W. K., & Sharma, S. K. (2023). Sugarcane bagasse as an environmentally friendly composite material to face the sustainable development era. *Biomass Conversion and Biorefinery, April*. <https://doi.org/10.1007/s13399-023-03764-2>
- Luna, P., Darniadi, S., Chatzifragkou, A., & Charalampopoulos, D. (2021). Biodegradable foams based on extracted fractions from sorghum by-products. *IOP Conference Series: Earth and Environmental Science*, 749(1). <https://doi.org/10.1088/1755-1315/749/1/012057>
- Melyna, E., Nisa, K. S., & Fitri, A. A. L. (2023). Pengaruh penambahan serbuk alumina (Al₂O₃) pada komposit serat kayu jati bermatriks polipropilena. *Jurnal Teknik Kimia*, 29(2), 62–70.
- Muharram, F. I. (2020). Penambahan kitosan pada biofoam berbahan dasar pati. *Edufortech*, 5(2).
- Nasirpour, N., & Mousavi, S. M. (2021). Effect of Particle Size in Polyethylene Glycol-Assisted [BMIM][Cl] Pretreatment of Sugarcane Bagasse. *BioEnergy Research*, 14(4), 1136–1146.
- Nugroho, A., Legowo, A. C., Maharani, D. M., Khairunnisa, & Gafur, A. (2022). Physical and Mechanical Properties of Starch Foam Reinforced with Pineapple (*Ananas comosus*) Leaves Powder Physical and Mechanical Properties of Starch Foam Reinforced with Pineapple (*Ananas comosus*) Leaves Powder. *IOP Conference Series: Earth and Environmental Science*, 1187(1). <https://doi.org/10.1088/1755-1315/1187/1/012016>
- Nwanonenyi, S. C., & Chike-Onyegbula, C. O. (2013). Water absorption, flammability and mechanical properties of linear low density polyethylene/egg shell composite. *Academic Research International*, 4 (1)(1), 352–358.
- Parwiyanti, P., Pratama, F., Wijaya, A., Malahayati, N., & Lidiasari, E. (2016). Sifat Fisik Pati Ganyong (*Canna edulis* Kerr.) Termodifikasi dan Penambahan Gum Xanthan untuk Rerotian. *Agritech*, 36(3), 335–343.
- Rahayu, P. P., Purwadi, Radiati, L. E., & Manab, A. (2015). Physico chemical properties of whey protein and gelatine biopolymer using tea leaf extract as crosslink materials. *Current Research in Nutrition and Food Science*, 3(3),

224–236. <https://doi.org/10.12944/CRNFSJ.3.3.06>

- Rismawati, Taba, P., & Fahrudin. (2024). Study and Characterization of Biofoam From Bagasse (*Saccharum officinarum* L .) with Chitosan Addition. *Ecological Engineering & Environmental Technology*, 25(7), 11–21.
- Rodrigues, N. H. P., de Souza, J. T., Rodrigues, R. L., Canteri, M. H. G., Tramontin, S. M. K., & de Francisco, A. C. (2020). Starch-based foam packaging developed from a by-product of potato industrialization (*Solanum tuberosum* L.). *Applied Sciences (Switzerland)*, 10(7). <https://doi.org/10.3390/app10072235>
- Saleh, E. R. M., Assagaf, M., Rodianawati, I., Warsiki, E., & Wulandari, N. (2014). Penentuan Kondisi Proses Terbaik Pembuatan Biofoam Dari Limbah Pertanian Lokal Maluku Utara. *Seminar Nasional Sains Dan Teknologi*, 1–4.
- Santoso, W. E. A., & Estiasih, T. (2014). Jurnal Review : Kopigmentasi Ubi Jalar Ungu (*Ipomoea batatas* var. *ayamurasaki*) dengan Kopigmen Na-Kaseinat dan Protein Whey Serta Stabilitasnya Terhadap Pemanasan. *Jurnal Pangan Dan Agroindustri*, 2(4), 121–127.
- Sari, G. F. (2022). The effect of proportion of ganyong starch and waste of straw rice on biodegradable foam production as sustainable packaging. *IOP Conference Series: Earth and Environmental Science*, 1041(1). <https://doi.org/10.1088/1755-1315/1041/1/012003>
- Sarlinda, F., Hasan, A., & Ulma, Z. (2022). Pengaruh Penambahan Serat Kulit Kopi dan Polivinil Alkohol (PVA) terhadap Karakteristik Biodegradable Foam dari Pati Kulit Singkong Effect of Addition of Coffee Peel Fiber and Polyvinyl Alcohol on Characteristics of Biodegradable Foam from Cassava Peel. *Jurnal Pengendalian Pencemaran Lingkungan (JPPL)*, 4(2), 9–20.
- Sheng, Y., Lu, S., Xu, M., Wu, X., & Li, C. (2016). Effect of Xanthan Gum on the Performance of Aqueous Film-Forming Foam. *Journal of Dispersion Science and Technology*, 37(11), 1664–1670. <https://doi.org/10.1080/01932691.2015.1124341>
- Sitompul, D., Malinda, D., & . S. (2021). Pemodelan Karakteristik Pengeringan dan Analisis Perpindahan Panas pada Pengeringan Kentang (*Solanum Tuberosum* L.). *Jurnal Rekayasa Hijau*, 5(2), 188–196. <https://doi.org/10.26760/jrh.v5i2.188-196>
- Sumardiono, S., Pudjihastuti, I., & Amalia, R. (2021). Analisis Morfologi dan Sifat Mekanis Biofoam dari Tepung Tapioka dan Serat Limbah Batang Jagung. *Metana*, 17(1).
- Sumardiono, S., Pudjihastuti, I., Amalia, R., & Yudanto, Y. A. (2021). Characteristics of Biodegradable Foam (Bio-foam) Made from Cassava Flour and Corn Fiber. *IOP Conference Series: Materials Science and Engineering*, 1053(1), 012082. <https://doi.org/10.1088/1757-899x/1053/1/012082>

- Suryaningsih, S., Anggraeni, P. M., & Nurhilal, O. (2019). Pengaruh Ukuran Partikel Terhadap Kualitas Termal Dan Mekanik Briket Campuran Arang Sekam Padi Dan Kulit Kopi. *Jurnal Material Dan Energi Indonesia*, 9(02), 79–85. <https://doi.org/10.24198/jmei.v9i2.26351>
- Susanti, D. Y., Karyadi, J. N. W., & Mariyam, S. (2016). Drying Characteristics of Crackers from Sorghum Using Tray Dryer in Different Drying Air Velocities. *Journal of Advanced Agricultural Technologies*, 3(4), 258–264. <https://doi.org/10.18178/joaat.3.4.258-264>
- Susanti, D. Y., Sediawan, W. B., Fahrurrozi, M., & Hidayat, M. (2021). Foam-mat drying in the encapsulation of red sorghum extract: Effects of xanthan gum addition on foam properties and drying kinetics. *Journal of the Saudi Society of Agricultural Sciences*, 20(4), 270–279. <https://doi.org/10.1016/j.jssas.2021.02.007>
- Togas, C., Berhimpon, S., Montolalu, R. I., Dien, H. A., & Mentang, F. (2017). Karakteristik Fisik Edible Film Komposit Karaginan dan Lilin Lebah Menggunakan Proses Nanoemulsi. *Jurnal Pengolahan Hasil Perikanan IPB*, 20(3), 468–477.
- Velasco, M. I., Silletta, E. V., Gomez, C. G., Strumia, M. C., Stapf, S., Monti, G. A., Mattea, C., & Acosta, R. H. (2016). Spatially Resolved Monitoring of Drying of Hierarchical Porous Organic Networks. *Langmuir*, 32(8), 2067–2074. <https://doi.org/10.1021/acs.langmuir.5b04230>
- Wulandari, A. P., Wulandini, E., & Indrawati, I. (2014). Biodegradasi Jerami Padi Oleh *Penicillium* spp. Dengan Variasi Ukuran Partikel Jerami. *Jurnal Selulosa*, 4(2), 107–113. <https://doi.org/10.25269/jsel.v4i02.86>
- Yudanto, Y. A., & Pudjihastuti, I. (2020). Characterization of Physical and Mechanical Properties of Biodegradable Foam From Maizena Flour and Paper Waste for Sustainable Packaging Material. *International Journal of Engineering Applied Sciences and Technology*, 5(8), 1–8.