

## DAFTAR PUSTAKA

- [1] M. Y. Kondo *et al.*, "Recent advances in the use of Polyamide-based materials for the automotive industry," *Polimeros*, vol. 32, no. 2, 2022, doi: 10.1590/0104-1428.20220042.
- [2] S. Sapril, A. T. Kusuma, A. Aswan, A. Zikri, and I. Hajar, "Pirolisis Plastik Menjadi Bahan Bakar Cair Menggunakan Katalis Zeolit Teraktivasi," *Publikasi Penelitian Terapan dan Kebijakan*, vol. 5, no. 1, pp. 9–18, 2022, doi: 10.46774/pptk.v5i1.364.
- [3] I. Ben Amor, O. Klinkova, M. Baklouti, R. Elleuch, and I. Tawfiq, "Mechanical Recycling and Its Effects on the Physical and Mechanical Properties of Polyamides," *Polymers (Basel)*, vol. 15, no. 23, 2023, doi: 10.3390/polym15234561.
- [4] F. F. Sufa, "Pengurangan Cacat Silver Streak Produk Lensa Display Audio System Berbahan ABS di CV Jaya Styra Plastik Demak, Jawa Tengah.pdf," 2021.
- [5] F. Korkees, A. Aldrees, I. Barsoum, and D. Alshammari, "Functionalised graphene effect on the mechanical and thermal properties of recycled PA6/PA6,6 blends," *J Compos Mater*, vol. 55, no. 16, pp. 2211–2224, 2021, doi: 10.1177/0021998320987897.
- [6] Fitra Pratiwi, "Kekuatan Fatik Basis Gigi Tiruan Universitas Sumatera Utara," 2017.
- [7] M. Sirait, *Polyvinyl Alkohol dan Campuran Bentonit*, Pertama. Medan: Lembaga Penelitian Unimed, 2018.
- [8] A. O. Akar, U. H. Yildiz, and U. Tayfun, "Investigations of polyamide nano-composites containing bentonite and organo-modified clays: Mechanical, thermal, structural and processing performances," *Reviews on Advanced Materials Science*, vol. 60, no. 1, pp. 293–302, 2021, doi: 10.1515/rams-2021-0025.
- [9] N. Bukit, E. Frida, and M. H. Harahap, "Preparation Natural Bentonite in Nano Particle Material as Filler Nanocomposite High Density Polyethylene ( Hdpe )," vol. 3, no. 13, pp. 10–21, 2013.
- [10] Burhanuddin, *Teknologi dan rekayasa material polimer komposit*, no. Mi. 2015.
- [11] R. O. Ebeuele, *Polymer science and technology*. 2000. doi: 10.1016/0261-3069(95)90127-2.
- [12] A. Permono, "Polimer dan Polimerisasi," p. 95, 2018.
- [13] C. Budiyanoro and C. Budiyanoro, "Ilmu Bahan 2 Klasifikasi Bahan Klasifikasi Bahan Polimer," pp. 1–147, 2011.

- [14] W. P. W. Siti Wahyuni, "Pengaruh Penambahan Bahan Kompatibilisasi Pada Nilon Daur Ulang Terhadap Kekuatan Fleksural Basis Gigi Tiruan Nilon Termoplastik," p. 580, 2015.
- [15] F. Korkees, A. Aldrees, I. Barsoum, and D. Alshammari, "Functionalised graphene effect on the mechanical and thermal properties of recycled PA6/PA6,6 blends," *Journal of Composite Materials*, vol. 55, no. 16, pp. 2211–2224, 2021, doi: 10.1177/0021998320987897.
- [16] S. Sufriadin, P. Purwanto, N. P. Rapele, C. Sastria, and S. S. Fauth, "Analisis Mineralogi dan Kimia Bentonit Daerah Bone Bolango, Provinsi Gorontalo," *Jurnal Geomine*, vol. 8, no. 2, pp. 104–113, 2020, doi: 10.33536/jg.v8i2.604.
- [17] G. Wypych, "Fillers – Origin, Chemical Composition, Properties, and Morphology," *Handbook of Fillers*, pp. 13–302, 2021, doi: 10.1016/b978-1-927885-79-6.50005-7.
- [18] Atikah, "Pengaruh Waktu Dan Berat Adsorben Bentonit Pada Proses Dehidrasi Bioetanol," *Jurnal Redoks*, vol. 4, no. 2, pp. 25–31, 2019, [Online]. Available: <https://jurnal.univpgri-palembang.ac.id/index.php/redoks/article/view/3506>
- [19] P. A. G. A Gafar, "PROSES PENGINSTANAN AGLOMERASI KERING DAN PENGARUHNYA TERHADAP SIFAT FISIKO KIMIA KOPI BUBUK ROBUSTA (*Coffea robusta* Lindl. Ex De Will)," *Jurnal Dinamika Penelitian Industri*, vol. 29, no. 2, p. 163, 2018, doi: 10.28959/jdpi.v29i2.3745.
- [20] M. Sirait, *Polyvinyl Alkohol dan Campuran Bentonit*, Pertama. Medan: Lembaga Penelitian Unimed, 2018.
- [21] Y. Nuhgraha, M. K. A. Rosa, and I. Agustian, "Perancangan Alat Uji Impak Digital dengan Metode Charpy Untuk Mengukur Kekuatan Material Polimer," *Jurnal Amplifier : Jurnal Ilmiah Bidang Teknik Elektro Dan Komputer*, vol. 10, no. 2, pp. 15–19, 2020, doi: 10.33369/jamplifier.v10i2.15316.
- [22] W. D. Callister Jr and D. G. Rethwisch, *Characteristics, Application, and Processing of Polymers*. 2003.
- [23] N. M. Z. Abidin, M. T. H. Sultan, A. U. M. Shah, and S. N. A. Safri, "Charpy and Izod impact properties of natural fibre composites," *IOP Conference Series: Materials Science and Engineering*, vol. 670, no. 1, 2019, doi: 10.1088/1757-899X/670/1/012031.
- [24] S. Febriani, "Analisis Deskriptif Standar Deviasi," vol. 6, pp. 910–913, 2022.
- [25] A. Sifa and T. Endarmawan, "Pemodelan Impak Test dengan Metode Charpy," *Industrial Research Workshop and National Seminar*, vol. 4, no. 08, pp. 185–188, 2013.
- [26] M. Odrobina, T. Deák, L. Székely, T. Mankovits, R. Z. Keresztes, and G. Kalácska, "The effect of crystallinity on the toughness of cast polyamide 6 rods with

different diameters," *Polymers (Basel)*, vol. 12, no. 2, 2020, doi: 10.3390/polym12020293.

- [27] K. L. Manuel and T. C. Folsom, "Instar sizes, life cycles, and food habits of five Rhyacophila (Trichoptera: Rhyacophilidae) species from the Appalachian Mountains of South Carolina, U.S.A.," *Hydrobiologia*, vol. 97, no. 3, pp. 281–285, 1982, doi: 10.1007/BF00007115.
- [28] T. Schweizer, *Polymer Viscoelasticity*, vol. 15, no. 4. 2019. doi: 10.1515/arh-2005-0035.
- [29] R. H. Setyanto, "Review: Teknik Manufaktur Komposit Hijau dan Aplikasinya," *Performa*, vol. 11, no. 1, pp. 9–18, 2012.
- [30] G. Kiran, K. Suman, N. Rao, and R. Rao, "A study on the influence of hot press forming process parameters on mechanical properties of green composites using Taguchi experimental design," *International Journal of Engineering, Science and Technology*, vol. 3, no. 4, pp. 253–263, 2011, doi: 10.4314/ijest.v3i4.68557.
- [31] Alatuji, "QC-601A Manual Thermos Press Forming Machine," vol. 6777, no. 62, pp. 21–22, 2023.
- [32] A. R. L. Francisco, "Penguujian Impact," *J Chem Inf Model*, vol. 53, no. 9, pp. 1–20, 2013.
- [33] S. Kumaresan *et al.*, "Synthesis and characterization of nylon 6 polymer nanocomposite using organically modified Indian bentonite," *SN Appl Sci*, vol. 2, no. 8, pp. 1–11, 2020, doi: 10.1007/s42452-020-2579-5.
- [34] S. J. Nikkhah, A. Ramazani, H. Baniasadi, and F. Tavakolzadeh, "Investigation of properties of polyethylene/clay nanocomposites prepared by new in situ Ziegler-Natta catalyst," *Mater Des*, vol. 30, no. 7, pp. 2309–2315, 2009, doi: 10.1016/j.matdes.2008.11.019.
- [35] Raharjo Sapto, "Studi Pengaruh Kadar Komonomer Etilena terhadap Karakteristik Polipropilena (PP) Homopolimer grade Thermoforming SKRIPSI," pp. 15–82, 2019.
- [36] A. Irawan Noviaji, "Improvement of Mechanical and Thermal Properties of Recycled Polymer Using Composite Clay," 2016.
- [37] A. C. Putri and S. Wahyuni, "Pengaruh Penambahan Serat Kaca Pada Nilon Termoplastik Daur Ulang Terhadap Kekuatan Impak," *B-Dent: Jurnal Kedokteran Gigi Universitas Baiturrahmah*, vol. 1, no. 1, pp. 27–37, 2021, doi: 10.33854/jbd.v1i1.265.
- [38] A. Irawan Noviaji, "Improvement of Mechanical and Thermal Properties of Recycled Polymer Using Composite Clay," 2016.
- [39] A. S. Dike, "Use of Turkish Bentonite Mineral As an Additive for Poly(Lactic Acid) Based Bio-Composite Materials," *Eskişehir Technical University Journal of Science*

*and Technology A - Applied Sciences and Engineering*, vol. 21, no. 1, pp. 86–96, 2020, doi: 10.18038/estubtda.559144.