

DAFTAR PUSTAKA

- [1] Badan Pusat Statistik, “Jumlah Penduduk Indonesia 2020,” BPS. Accessed: May 21, 2024. [Online]. Available: <https://sensus.bps.go.id/main/index/sp2020#:~:text=Jumlah%20dan%20Distribusi%20%20Penduduk,adalah%20sebanyak%20270.203.917%20jiwa>
- [2] Cindy Mutia Annur, “Timbulan Sampah Indonesia Mayoritas Berasal dari Rumah Tangga,” Katadata Media Network. Accessed: Jun. 12, 2023. [Online]. Available: <https://databoks.katadata.co.id/datapublish/2023/03/09/timbulan-sampah-indonesia-majoritas-berasal-dari-rumah-tangga>
- [3] P. Benyathiar, P. Kumar, G. Carpenter, J. Brace, and D. K. Mishra, “Polyethylene terephthalate (PET) bottle-to-bottle recycling for the beverage industry: A Review,” *Polymers (Basel)*, vol. 14, no. 12, p. 2366, 2022.
- [4] A. Ivdre, A. Abolins, I. Sevastyanova, M. Kirpluks, U. Cabulis, and R. Merijs-Meri, “Rigid polyurethane foams with various isocyanate indices based on polyols from rapeseed oil and waste PET,” *Polymers (Basel)*, vol. 12, no. 4, p. 738, 2020.
- [5] S. Agyeman, N. K. Obeng-Ahenkora, S. Assiamah, and G. Twumasi, “Exploiting recycled plastic waste as an alternative binder for paving blocks production,” *Case Studies in Construction Materials*, vol. 11, p. e00246, Dec. 2019, doi: 10.1016/j.cscm.2019.e00246.
- [6] U. B. Surono, “Berbagai metode konversi sampah plastik menjadi bahan bakar minyak,” *Jurnal teknik*, vol. 3, no. 1, 2013.
- [7] P. Siahaan and T. Windarti, *Kimia Polimer*. Semarang: Universitas Diponegoro, 2007.
- [8] S. Venkatachalam, S. G. Nayak, J. V Labde, P. R. Gharal, K. Rao, and A. K. Kelkar, *Degradation and recyclability of poly (ethylene terephthalate)*. InTech Rijeka, Croatia, 2012.

- [9] B. Ismail, F. B. Sc, and E. E. Yassin, “Management of PET Plastic Bottles Waste Through Recycling In Khartoum State,” *Sudan Acad. Sci. Eng. Res. Industrial Technol. Counc*, p. 90, 2010.
- [10] M. Sarker and M. M. Rashid, “Thermal degradation of poly (ethylene terephthalate) waste soft drinks bottles and low density polyethylene grocery bags,” *International Journal of Sustainable Energy and Environment*, vol. 1, no. 3, pp. 78–86, 2013.
- [11] M. J. Forrest, *Recycling of polyethylene terephthalate*. Walter de Gruyter GmbH & Co KG, 2019.
- [12] R. Coles, D. McDowell, and M. J. Kirwan, *Food packaging technology*, vol. 5. CRC press, 2003.
- [13] Y. C. Danarto, M. K. AM, and Y. R. Siwi, “Pengolahan Sampah Botol Plastik Menjadi Monomer Bhet Sebagai Bahan Baku Plastik dengan Proses Solvolysis,” 2012.
- [14] A. Rahmayanti, “DEPOLIMERISASI PET PASCA KONSUMSI MELALUI GLIKOLISIS DENGAN KATALIS,” *Journal of Research and Technology*, vol. 1, no. 1, pp. 16–22, 2015.
- [15] A. Syariffuddeen, A. Norhafizah, and A. Salmiaton, “Glycolysis of poly (ethylene terephthalate)(PET) waste under conventional convection-conductive glycolysis,” *International Journal of Engineering Research and Technology*, vol. 1, no. 10, pp. 1–8, 2012.
- [16] C. T. Pham *et al.*, “Comprehensive investigation of the behavior of polyurethane foams based on conventional polyol and oligo-ester-ether-diol from waste poly (ethylene terephthalate): fireproof performances, thermal stabilities, and physicomechanical properties,” *ACS Omega*, vol. 5, no. 51, pp. 33053–33063, 2020.
- [17] I. La Ifa, *Pembuatan Bahan Polimer dari Minyak sawit*. Nas Media Pustaka, 2018.
- [18] K. Ashida, *Polyurethane and related foams: chemistry and technology*. CRC press, 2006.

- [19] H. Prihastuti, “Studi Sintesis Foam Polyurethane dari Gliserol Monooleate,” Universitas Indonesia, Depok, 2007.
- [20] E. Triwulandari, N. Astrini, and A. Haryono, “Pembuatan poliol berbasis komponen minyak sawit sebagai bahan baku busa poliuretan,” *Jurnal Sains Materi Indonesia*, vol. 16, no. 1, pp. 43–48, 2018.
- [21] H. Lim, S. H. Kim, and B. K. Kim, “Effects of silicon surfactant in rigid polyurethane foams,” *Express Polym. Lett*, vol. 2, no. 3, pp. 194–200, 2008.
- [22] G. Kiss, G. Rusu, G. Bandur, I. Hulka, D. Romecki, and F. Péter, “Advances in Low-Density Flexible Polyurethane Foams by Optimized Incorporation of High Amount of Recycled Polyol,” *Polymers (Basel)*, vol. 13, no. 11, p. 1736, 2021.
- [23] L. Poul, N. Jouini, and F. Fiévet, “Layered hydroxide metal acetates (metal= zinc, cobalt, and nickel): elaboration via hydrolysis in polyol medium and comparative study,” *Chemistry of Materials*, vol. 12, no. 10, pp. 3123–3132, 2000.
- [24] C. Defonseka, *Practical Guide to Flexible Polyurethane Foams*. Smithers Information Limited, 2013. [Online]. Available: <https://books.google.co.id/books?id=ffwlDwAAQBAJ>
- [25] D. Ridayani, M. B. Malino, and A. Asifa, “Analisis Porositas dan Susut Bakar keramik Berpori Berbasis Clay dan Serat Tandan Kosong Kelapa Sawit,” *Prisma Fisika*, vol. 5, no. 2, 2017.
- [26] W. Hidayat, “Klasifikasi dan Sifat Material Teknik Serta Pengujian Material,” 2019.
- [27] A. B. D. M. D. Bisioni, M. S. Hamzah, and A. Sam, “Sifat Kuat Tekan Dan Impak Komposit Abu Sekam Padi/Alumina,” *Jurnal Mekanikal*, vol. 10, no. 1, 2019.
- [28] M. Martinez, “Sebuah Pemahaman Dasar Scanning Electron Microscopy (SEM) and Mikroskop Elektron (SEM) dan Energy Dispersive X-ray Detection (EDX).” 2010.
- [29] K. Warni and I. Dewata, “Penentuan Limbah Mikroplastik Polyethylene Terephthalate (PET) dengan Metoda Glikolisis dalam Air Laut di Kota

- Padang,” *Jurnal Periodic Jurusan Kimia UNP*, vol. 10, no. 1, p. 21, Feb. 2021, doi: 10.24036/p.v10i1.109582.
- [30] W. J. Seo *et al.*, “Mechanical, morphological, and thermal properties of rigid polyurethane foams blown by distilled water,” *J Appl Polym Sci*, vol. 90, no. 1, pp. 12–21, 2003.