

## DAFTAR PUSTAKA

- Abdulghani, M. R., & Ali, Dr. A. S. (2020). Flexural Behavior of Reinforced Concrete Beams Reinforced with 3D-Textile Composite Fiber. *Journal of Engineering*, 26(7), 127–144. <https://doi.org/10.31026/j.eng.2020.07.09>
- Akhigbe, O. (2022). Improvement of Surface Hardness of HDPE Matrix Using Treated Agricultural Waste Fillers. *Polymer Composites*, 43(10), 6711–6720. <https://doi.org/10.1002/pc.26130>
- Al-Hadithi, A. I., Noaman, A. T., & Mosleh, W. K. (2019). Mechanical properties and impact behavior of PET fiber reinforced self-compacting concrete (SCC). *Composite Structures*, 224, 111021. <https://doi.org/10.1016/j.compstruct.2019.111021>
- Andrade, A. L., & Neal, M. A. (2009). Applications and societal benefits of plastics. *Philosophical Transactions of the Royal Society B: Biological Sciences*, 364(1526), 1977–1984. <https://doi.org/10.1098/rstb.2008.0304>
- Azzahrah, N. (2021). *Perancangan tas wanita berbahan limbah plastik hdpe dengan teknik compression molding = Designing hdpe plastic waste women's bags with compression molding techniques*. Universitas Pelita Harapan.
- Bai, Y., Wang, P., Xiong, H., & Tang, G. (2016). Mechanical behavior of pipe reinforced by steel wires under external pressure. *Journal of Reinforced Plastics and Composites*, 35(5), 398–407. <https://doi.org/10.1177/0731684415620687>
- C, N., O. J., O., C. L, O., & O. W, C. (2020). Mechanical Properties of High Density Polyethylene and Linear Low Density Polyethylene Blend. *International Journal of Polymer and Textile Engineering*, 7(01), 23–28. <https://doi.org/10.14445/23942592/IJPTE-V7I1P103>
- Callister Jr, W. D. (2018). *Materials Science and Engineering An Introduction by William D. Callister, Jr., David G. Rethwisch (10th ed)*.
- de Camargo, R. V., & Saron, C. (2020). Mechanical–Chemical Recycling of Low-Density Polyethylene Waste with Polypropylene. *Journal of Polymers and the Environment*, 28(3), 794–802. <https://doi.org/10.1007/s10924-019-01642-5>
- Demirhan, E., Dinçler, S., & Sarac, H. I. (1994). Selection of Inorganic Fillers for Nontire Rubber Compounding. *Polymer-Plastics Technology and Engineering*, 33(1), 83–88. <https://doi.org/10.1080/03602559408010732>
- Feng, J. (2016). HDPE Materials and Geomembrane Manufacture. In *HDPE Geomembranes in Geotechnics* (Vol. 175, pp. 11–33). Springer Berlin Heidelberg. [https://doi.org/10.1007/978-3-540-37288-2\\_2](https://doi.org/10.1007/978-3-540-37288-2_2)
- Gent, A. N. (2012). *Engineering with Rubber*. Carl Hanser Verlag GmbH & Co. KG. <https://doi.org/10.1007/978-3-446-42871-3>
- Hopewell, J., Dvorak, R., & Kosior, E. (2009). Plastics recycling: challenges and opportunities. *Philosophical Transactions of the Royal Society B: Biological Sciences*, 364(1526), 2115–2126. <https://doi.org/10.1098/rstb.2008.0311>

- Laksmi, D. (2023, September 7). *Jalan Panjang Menuju Indonesia Bebas Sampah*. Kompas.Id. <https://www.kompas.id/baca/riset/2023/08/07/jalan-panjang-menuju-indonesia-bebas-sampah>
- Mallick, P. K. (2007). *Fiber-Reinforced Composites*. CRC Press. <https://doi.org/10.1201/9781420005981>
- Mangili, I., Lasagni, M., Anzano, M., Collina, E., Tatangelo, V., Franzetti, A., Caracino, P., & Isayev, A. I. (2015). Mechanical and rheological properties of natural rubber compounds containing devulcanized ground tire rubber from several methods. *Polymer Degradation and Stability*, 121, 369–377. <https://doi.org/10.1016/j.polymdegradstab.2015.10.004>
- Mark, J. (2007). *Physical Properties of Polymers Handbook* (J. E. Mark, Ed.). Springer New York. <https://doi.org/10.1007/978-0-387-69002-5>
- Nurazreena, Hussain, L. B., Ismail, H., & Mariatti, M. (2006). Metal filled high density polyethylene composites - Electrical and tensile properties. *Journal of Thermoplastic Composite Materials*, 19(4), 413–425. <https://doi.org/10.1177/0892705706062197>
- Pelto, J., Verho, T., Ronkainen, H., Kaunisto, K., Metsäjoki, J., Seitsonen, J., & Karttunen, M. (2019). Matrix morphology and the particle dispersion in HDPE nanocomposites with enhanced wear resistance. *Polymer Testing*, 77, 105897. <https://doi.org/10.1016/j.polymertesting.2019.105897>
- Rahardja, S., Cathelyn, A., & Widjajakusuma, J. (2021). [THE EFFECT OF PLASTIC AND GLASS WASTE IN PAVING BLOCK MIX] (Vol. 5, Issue 1).
- Ratner, B. D., Hoffman, A. S., Schoen, F. J., & Lemons, J. E. (1996). Biomaterials Science. In *Biomaterials Science* (pp. 1–9). Elsevier. <https://doi.org/10.1016/B978-012582460-6/50002-5>
- Rodgers, B., & Waddell, W. (2013). Tire Engineering. In *The Science and Technology of Rubber* (pp. 653–695). Elsevier. <https://doi.org/10.1016/B978-0-12-394584-6.00014-5>
- Shrivastava, S., Rajak, D. K., Joshi, T., Singh, D. K., & Mondal, D. P. (2024). Ceramic Matrix Composites: Classifications, Manufacturing, Properties, and Applications. *Ceramics*, 7(2), 652–679. <https://doi.org/10.3390/ceramics7020043>
- William D., Callister, Jr., & David G. Rethwisch. (2020). *Callister's Materials Science and Engineering*.
- Yulianti, C. (2024, September 11). *Indonesia Jadi Penyumbang Sampah Plastik Terbesar ke-2 di Dunia*. Detik.Com. <https://www.detik.com/edu/detikpedia/d-7536226/indonesia-jadi-penyumbang-sampah-plastik-terbesar-ke-2-di-dunia-ini-penyebabnya>
- Zhang, J., Li, Y., Xing, D., Wang, Q., Wang, H., & Koubaa, A. (2019). Reinforcement of continuous fibers for extruded wood-flour/HDPE composites: Effects of fiber type and amount. *Construction and Building Materials*, 228. <https://doi.org/10.1016/j.conbuildmat.2019.116718>

Zheng, J., Shi, J., Shi, J., Zhong, S., Rao, J., Li, G., & Li, X. (2015). Short-term burst pressure of polyethylene pipe reinforced by winding steel wires under various temperatures. *Composite Structures*, 121, 163–171. <https://doi.org/10.1016/j.compstruct.2014.11.014>