

DAFTAR PUSTAKA

- [1] F. I. Aryanti, “Pembuatan Komposit Polimer Polipropilena/Talk/Masterbatch Hitam Pada Cover Tail,” *Jurnal Teknologi dan Manajemen*, vol. 19, no. 1, pp. 1–6, 2021, doi: 10.52330/jtm.v19i1.8.
- [2] S. Salifu, D. Desai, O. Ogunbiyi, and K. Mwale, “Recent development in the additive manufacturing of polymer-based composites for automotive structures—a review,” *The International Journal of Advanced Manufacturing Technology*, vol. 119, no. 11, pp. 6877–6891, 2022, doi: 10.1007/s00170-021-08569-z.
- [3] J. S. Jayan *et al.*, “1 - An introduction to fiber reinforced composite materials,” *Woodhead Publishing*, vol. 119, no. 11, pp. 1–24, 2021, doi: 10.1016/B978-0-12-821090-1.00025-9.
- [4] “PT Chandra Asri Petrochemical.” Accessed: Jul. 24, 2024. [Online]. Available: <https://www.chandra-asri.com/>
- [5] Peningkatan Penggunaan Produk Dalam Negeri (P3DN), “Kapasitas Produksi CHANDRA ASRI PETROCHEMICAL.” Accessed: Jul. 25, 2024. [Online]. Available: https://tkdn.kemenperin.go.id/kapasitas.php?id=n4J4C6XNRQhs8INC3PfvJP3JLZzO5bFrYdJyx5Rjqe0,&pub=PuWof_o9nUINBBU7L3RZKVmOM-YJ--m5LkXIzPEolvY,&nama=SfVyrmrSDucZlpsVgUrW6T7bIunP1s30OddogDZJ13tedC9RLIYgpkBtxgVy0WienBQdZtmlrHgdi3fWeVH7uA,,
- [6] D. Bashford, *Thermoplastics Directory and Databook*, 1st ed. Springer Dordrecht, 1997. doi: doi.org/10.1007/978-94-009-1531-2.
- [7] S. Zhang and M. Andersson, “Analysis the property changes of the thermal recycled HDPE and LDPE Title: Analysis the property changes of thermal recycled HDPE and LDPE materials Supervisor (Arcada),” 2020.
- [8] T. Salivon, R. Comte, and X. Colin, “Thermal aging of electrical cable insulation made of cross-linked low density polyethylene for under-hood application in automotive industry,” *Journal of Vinyl and Additive Technology*, vol. 28, no. 2, pp. 418–429, 2022, doi: 10.1002/vnl.21916.
- [9] E. Oktariani and M. H. Syamrizal, “Potensi zeolit alam lampung sebagai filler dalam komposit polipropilena untuk bahan baku industri komponen otomotif,” *Jurnal Teknologi dan Manajemen*, vol. 18, no. 2, pp. 7–9, 2020.
- [10] M. S. Hasnain and A. K. Nayak, *Carbon nanotubes for targeted drug delivery*. 2019. doi: 10.1007/978-981-15-0910-0_1.

- [11] A. E. Schlogl, M. S. de Sousa, A. M. de Oliveira, I. J. B. Santos, and E. N. de Oliveira Junior, "Chapter 14 - Carbon nanotubes fertilizers: properties and applications," in *Nanofertilizer Synthesis*, K. A. Abd-Elsalam, Ed., in Nanobiotechnology for Plant Protection. , Elsevier, 2024, pp. 233–246. doi: <https://doi.org/10.1016/B978-0-443-13535-4.00015-8>.
- [12] S. Shi *et al.*, "Remarkably Strengthened microinjection molded linear low-density polyethylene (LLDPE) via multi-walled carbon nanotubes derived nanohybrid shish-kebab structure," *Composites Part B: Engineering*, vol. 167, no. January, pp. 362–369, 2019, doi: [10.1016/j.compositesb.2019.03.007](https://doi.org/10.1016/j.compositesb.2019.03.007).
- [13] V. Beloshenko, A. Voznyak, I. Vozniak, and B. Savchenko, "Effects of orientation ordering of low-density polyethylene—multi-walled carbon nanotubes composites determined by severe plastic deformation," *Polymer Engineering and Science*, vol. 59, no. 4, pp. 714–723, 2019, doi: [10.1002/pen.24987](https://doi.org/10.1002/pen.24987).
- [14] R. Hsissou, R. Seghiri, Z. Benzekri, M. Hilali, M. Rafik, and A. Elharfi, "Polymer composite materials: A comprehensive review," *Composite Structures*, vol. 262, no. November 2020, pp. 0–3, 2021, doi: [10.1016/j.compstruct.2021.113640](https://doi.org/10.1016/j.compstruct.2021.113640).
- [15] A. K. Ghosh and M. Dwivedi, "Processability of Thermosetting Composites," in *Processability of Polymeric Composites*, New Delhi: Springer India, 2020, pp. 117–149. doi: [10.1007/978-81-322-3933-8_5](https://doi.org/10.1007/978-81-322-3933-8_5).
- [16] A. K. Ghosh and M. Dwivedi, "Advantages and Applications of Polymeric Composites," in *Processability of Polymeric Composites*, New Delhi: Springer India, 2020, pp. 29–57. doi: [10.1007/978-81-322-3933-8_2](https://doi.org/10.1007/978-81-322-3933-8_2).
- [17] A. Crangle, "1 - Types of polyolefin fibres," in *Polyolefin Fibres (Second Edition)*, Second Edi., S. C. O. Ugbolue, Ed., in The Textile Institute Book Series. , Woodhead Publishing, 2017, pp. 3–32. doi: <https://doi.org/10.1016/B978-0-08-101132-4.00001-1>.
- [18] R. R. Mather, "2 - The structural and chemical properties of polyolefin fibres," in *Polyolefin Fibres (Second Edition)*, Second Edi., S. C. O. Ugbolue, Ed., in The Textile Institute Book Series. , Woodhead Publishing, 2017, pp. 33–57. doi: <https://doi.org/10.1016/B978-0-08-101132-4.00002-3>.
- [19] J. D. Menczel and T. Abraham, "11 - Polyethylene fibers," in *The Textile Institute Book Series*, M. Jaffe and J. D. B. T.-T. A. of T. and F. Menczel, Eds., Woodhead Publishing, 2020, pp. 197–203. doi: <https://doi.org/10.1016/B978-0-08-100572-9.00011-2>.
- [20] R. Sadiku *et al.*, "15 - Automotive components composed of polyolefins," in *Polyolefin Fibres (Second Edition)*, Second Edi., S. C. O. Ugbolue, Ed.,

- in The Textile Institute Book Series. , Woodhead Publishing, 2017, pp. 449–496. doi: <https://doi.org/10.1016/B978-0-08-101132-4.00015-1>.
- [21] C. Vinodhini *et al.*, “Behaviour of concrete by partial replacement of fine aggregate with eco sand,” *Materials Today: Proceedings*, vol. 52, no. 7, pp. 1986–1990, 2022, doi: 10.1016/j.matpr.2021.11.626.
- [22] A. J. Peacock, *HANDBOOK OF POLYETHYLENE Structures, Properties and Applications*, vol. 4, no. 1. 2000.
- [23] O. Szlachetka, J. Witkowska-Dobrev, A. Baryła, and M. Dohojda, “Low-density polyethylene (LDPE) building films – Tensile properties and surface morphology,” *Journal of Building Engineering*, vol. 44, no. June, 2021, doi: 10.1016/j.job.2021.103386.
- [24] G. Etzrodt, “8 - Fillers,” in *Industrial Coloration of Plastics*, G. Etzrodt, Ed., Hanser, 2021, pp. 129–149. doi: <https://doi.org/10.3139/9781569908532.008>.
- [25] J. Murphy, *Additives for Plastics Handbook*, 2nd ed. USA: Elsevier Advanced Technology, 2001.
- [26] K. Markandan and C. Q. Lai, “Fabrication, properties and applications of polymer composites additively manufactured with filler alignment control: A review,” *Composites Part B: Engineering*, vol. 256, p. 110661, 2023, doi: <https://doi.org/10.1016/j.compositesb.2023.110661>.
- [27] P. Biswas *et al.*, “Advanced implications of nanotechnology in disease control and environmental perspectives,” *Biomedicine and Pharmacotherapy*, vol. 158, p. 114172, 2023, doi: 10.1016/j.biopha.2022.114172.
- [28] M. N. Abu Hajleh, R. Abu-Huwajj, A. AL-Samydai, L. K. Al-Halaseh, and E. A. Al-Dujaili, “The revolution of cosmeceuticals delivery by using nanotechnology: A narrative review of advantages and side effects,” *Journal of Cosmetic Dermatology*, vol. 20, no. 12, pp. 3818–3828, 2021, doi: 10.1111/jocd.14441.
- [29] N. Gupta, S. M. Gupta, and S. K. Sharma, “Carbon nanotubes: synthesis, properties and engineering applications,” *Carbon Letters*, vol. 29, no. 5, pp. 419–447, 2019, doi: 10.1007/s42823-019-00068-2.
- [30] G. Wypch, *Handbook of Polymer*. 2016.
- [31] M. S. Hasnain and A. K. Nayak, “Classification of Carbon Nanotubes,” in *Carbon Nanotubes for Targeted Drug Delivery*, Singapore: Springer Singapore, 2019, pp. 11–15. doi: 10.1007/978-981-15-0910-0_2.
- [32] T. J. Sisto, L. N. Zakharov, B. M. White, and R. Jasti, “Towards pi-extended cycloparaphenylenes as seeds for CNT growth: Investigating

- strain relieving ring-openings and rearrangements,” *Chemical Science*, vol. 7, no. 6, pp. 3681–3688, 2016, doi: 10.1039/c5sc04218f.
- [33] J. P. Greene, “13 - Extrusion,” in *Automotive Plastics and Composites*, J. P. Greene, Ed., in *Plastics Design Library*. , William Andrew Publishing, 2021, pp. 223–240. doi: <https://doi.org/10.1016/B978-0-12-818008-2.00010-6>.
- [34] M. K. Bin Bakri, Md. R. Rahman, P. L. N. Khui, E. Jayamani, and A. Khan, “5 - Use of sustainable polymers to make green composites,” in *Advances in Sustainable Polymer Composites*, Md. R. Rahman, Ed., in *Woodhead Publishing Series in Composites Science and Engineering*. , Woodhead Publishing, 2021, pp. 109–129. doi: <https://doi.org/10.1016/B978-0-12-820338-5.00005-9>.
- [35] N. Saba, M. Jawaid, and M. T. H. Sultan, “1 - An overview of mechanical and physical testing of composite materials,” in *Mechanical and Physical Testing of Biocomposites, Fibre-Reinforced Composites and Hybrid Composites*, M. Jawaid, M. Thariq, and N. Saba, Eds., in *Woodhead Publishing Series in Composites Science and Engineering*. , Woodhead Publishing, 2019, pp. 1–12. doi: <https://doi.org/10.1016/B978-0-08-102292-4.00001-1>.
- [36] O. H. Sabr, N. H. Al-Mutairi, and A. Y. Layla, “Characteristic of low-density polyethylene reinforcement with NANO/micro particles of carbon black: A comparative study,” *Archives of Materials Science and Engineering*, vol. 110, no. 2, pp. 49–58, 2021, doi: 10.5604/01.3001.0015.4312.
- [37] I. Mugenyi, “Impact strength testing device,” p. 56, 2019.
- [38] V. H. Hermawan, N. R. Ismail, A. Farid, and A. R. Fadhillah, “Pengaruh Penambahan Serbuk Alumina (Al₂O₃) Pada Resin Polyester Btqn 157 Terhadap Kekuatan Impact Komposit Serat Kulit Pohon Waru (*Hibiscus Tiliaceus*),” *Jurnal Energi dan Teknologi Manufaktur (JETM)*, vol. 3, no. 02, pp. 25–32, 2020, doi: 10.33795/jetm.v3i02.57.
- [39] D. Y. Yoo and N. Banthia, “Impact resistance of fiber-reinforced concrete – A review,” *Cement and Concrete Composites*, vol. 104, no. June, p. 103389, 2019, doi: 10.1016/j.cemconcomp.2019.103389.
- [40] American Society for Testing and Materials, “ASTM D638-14,” *ASTM International*, vol. 82, no. C, pp. 1–15, 2016, doi: 10.1520/D0638-14.1.
- [41] ASTM, “D256-10E1,” *Methods*, no. January, pp. 1–20, 2004, doi: 10.1520/D0256-10.
- [42] L.-Z. Guan and L.-C. Tang, *Dispersion and Alignment of Carbon Nanotubes in Polymer Matrix*. 2021. doi: 10.1007/978-3-319-70614-6_4-1.