

DAFTAR PUSTAKA

- [1] D. Andreas Lubis, Y. Fitrianingsih, S. Pramadita, and G. Christiadora Asbanu, "Pengolahan Sampah Plastik HDPE (High Density Polyethylene) dan PET (Polyethylene Terephthalate) Sebagai Bahan Bakar Alternatif dengan Proses Pirolisis," vol. 20, no. 4, pp. 735–742, 2022, doi: 10.14710/jil.20.4.735-742.
- [2] F. L. Sahwan, D. H. Martono, S. Wahyono, and L. A. Wisoyodarmo, "Sistem Pengelolaan Limbah Plastik di Indonesia," *Jurnal Sistem Pengolahan Limbah J. Tek. Ling. P3TL-BPPT*, vol. 6, no. 1, pp. 311–318, 2005.
- [3] A. Ali. and A. S. El-Khair., "the Mechanical Behaviour of Recycled High Density Polyethylene," *The International Conference on Applied Mechanics and Mechanical Engineering*, vol. 12, no. 12, pp. 35–50, 2006, doi: 10.21608/amme.2006.41701.
- [4] M. Habibi, S. Kazemi Najafi, and I. Ghasemi, "Rheological and mechanical properties of composites made from wood flour and recycled LDPE/HDPE blend," *Iranian Polymer Journal (English Edition)*, vol. 26, no. 12, pp. 949–956, 2017, doi: 10.1007/s13726-017-0579-0.
- [5] A. Shrivastava, *Additives for Plastics*. 2018. doi: 10.1016/B978-0-323-39500-7.00004-6.
- [6] M. Gandhimathi, K. Murugavel, and T. K. Ravi, "Migration study of optical brighteners from polymer packing materials to jam squeeze and fruit drink by spectrofluorimetry and RP-HPLC methods," *Journal of Food Science and Technology*, vol. 51, no. 6, pp. 1133–1139, 2014, doi: 10.1007/s13197-011-0611-x.
- [7] H. Zhang and H. Hu, "Retention of Optical Brightening Agents (OBA) and their Brightening Efficiency on HYP-Containing Paper Sheets," pp. 153–167, 2007, doi: 10.1080/02773810701700802.
- [8] D. Ruhela and A. Gajbhiye, "Application of Various Optical Brightening Agents (Oba ' S / Fwa ' S) for Value Addition of Indian Textiles : a," *2007 4th IEEE International Symposium on Biomedical Imaging: From Nano to Macro - Proceedings*, vol. 8, no. 7, pp. 4288–4299, 2020.
- [9] D. Ruhela and A. Gajbhiye, "Application of Various Optical Brightening Agents (Oba ' S / Fwa ' S) for Value Addition of Indian Textiles : a," *2007 4th IEEE International Symposium on Biomedical Imaging: From Nano to Macro - Proceedings*, vol. 8, no. 7, pp. 4288–4299, 2020.
- [10] A. Riyanto, S. M. B. Respati, and M. Dzulfikar, "ANALISIS SIFAT FISIK DAUR ULANG LIMBAH PLASTIK JENIS HIGH DENSITY POLYETHYLENE," vol. 17, no. 2, pp. 99–102, 2021.
- [11] M. R. Nurcahyo and A. D. Anggono, "Pengaruh Komposisi Corn Starch Sebagai Filler Pada Sifat Mekanis Plastik HDPE," *Galang Tanjung*, no. 2504, pp. 1–9, 2018.

- [12] L. Januastuti, "PEMANFAATAN LIMBAH AMPAS TAHU SEBAGAI BAHAN BAKU PEMBUATAN PLASTIK BIODEGRADABLE DENGAN PLASTICIZER SORBITOL," *thesis*, Politeknik Negeri Sriwijaya, pp. 4–8, 2015.
- [13] B. Admadi H and I. W. Arnata, "Modul Kuliah 1: Teknologi Polimer," pp. 1–46, 2015.
- [14] L. Januastuti, "PEMANFAATAN LIMBAH AMPAS TAHU SEBAGAI BAHAN BAKU PEMBUATAN PLASTIK BIODEGRADABLE DENGAN PLASTICIZER SORBITOL," *thesis*, Politeknik Negeri Sriwijaya, pp. 4–8, 2015.
- [15] M. Abdillah and M. Iqbal Hisbullah, "PENGOLAHAN LIMBAH PLASTIK HIGH DENSITY POLYETHYLENE DENGAN METODE PIROLISISMICROWAVE DAN MENGGUNAKAN KATALIS KARBONAKTIF DARI TEMPURUNG KELAPA UNTUKMENGHASILKAN BAHAN BAKAR ALTERNATIF," 2017.
- [16] D. W. Posch, "Polyolefins for Polyolefin Production," *Applied Plastics Engineering Handbook*, pp. 27–53, 2017, doi: 10.1016/B978-0-323-39040-8/00002-X.
- [17] M. Abdillah and M. Iqbal Hisbullah, "PENGOLAHAN LIMBAH PLASTIK HIGH DENSITY POLYETHYLENE DENGAN METODE PIROLISISMICROWAVE DAN MENGGUNAKAN KATALIS KARBONAKTIF DARI TEMPURUNG KELAPA UNTUKMENGHASILKAN BAHAN BAKAR ALTERNATIF," 2017.
- [18] D. W. Sauter, M. Taoufik, and C. Boisson, "Polyolefins, a success story," *Polymers*, vol. 9, no. 6, pp. 1–13, 2017, doi: 10.3390/polym9060185.
- [19] E. A. Coleman, *Plastics Additives*, Second Edi. Elsevier Inc., 2017. doi: 10.1016/B978-0-323-39040-8/00021-3.
- [20] D. A. R. Diem, "Optical Brightening Agent (Oba) Karakteristik Dan Pemanfaatannya Dalam Industri Kertas," *Jurnal Teknik Kimia*, vol. 19, no. 2, pp. 10–16, 2013.
- [21] M. Hossain, "Optical Brightening Agents : Properties , Function , Mechanism and Usages," 2015.
- [22] J. Murphy, *Additives for Plastics*. 2001.
- [23] J. C. J. Bart, *Additives in Polymers: Industrial Analysis and Applications*. 2005. doi: 10.1002/0470012064.
- [24] The OSHA Standard 29, "Safety Data Sheet .," *Material Safety Data Sheet*, vol. 4, no. 2, pp. 1–6, 2017.
- [25] D. A. R. Diem, "Optical Brightening Agent (Oba) Karakteristik Dan Pemanfaatannya Dalam Industri Kertas," *Jurnal Teknik Kimia*, vol. 19, no. 2, pp. 10–16, 2013.
- [26] S. V. Sankar and S. A. Kumar, "2 Common Additives used in Recycling of Polymers 2.1 Review on Different Additives Used in Polymer Recycling," pp. 11–53, 2017.

- [27] R. A. W. Olf, S. H. S. A, B. A. L. A. L. K. Aul, and S. H. S. A, "Plastics, Additives," 2018.
- [28] DayGlo Color Corp, "Material Safety Data Sheet Optical Brightener," *Material Safety Data Sheet*, vol. 4, no. 2, pp. 8–10, 2018.
- [29] J. T. L. Junior and R. F. Grossman, *POLYMER MODIFIERS AND ADDITIVES*, vol. 6, no. August. 2016.
- [30] J. T. L. Junior and R. F. Grossman, *POLYMER MODIFIERS AND ADDITIVES*, vol. 6, no. August. 2016.
- [31] H. Zhang and H. Hu, "Retention of Optical Brightening Agents (OBA) and their Brightening Efficiency on HYP-Containing Paper Sheets," pp. 153–167, 2007, doi: 10.1080/02773810701700802.
- [32] J. R. Wagner, H. F. Giles, and E. M. Mount, *Extrusion: The Definitive Processing Guide and Handbook*. 2015. doi: 10.3139/9783446428447.006.
- [33] J.-F. Agassant, P. Avenas, P. J. Carreau, B. Vergnes, and M. Vincent, "Single-Screw Extrusion and Die Flows," *Polymer Processing*, pp. 301–432, 2017, doi: 10.3139/9781569906064.005.
- [34] J.-F. Agassant, P. Avenas, P. J. Carreau, B. Vergnes, and M. Vincent, "Single-Screw Extrusion and Die Flows," *Polymer Processing*, pp. 301–432, 2017, doi: 10.3139/9781569906064.005.
- [35] E. M. Mount, *Extrusion Processes. Applied Plastics Engineering Handbook*. 2017. doi: 10.1016/B978-0-323-39040-8/00012-2.
- [36] E. M. Mount, *Extrusion Processes. Applied Plastics Engineering Handbook*. 2017. doi: 10.1016/B978-0-323-39040-8/00012-2.
- [37] H. F. Giles, J. R. Wagner, and E. M. Mount, *Extrusion : The Definitive Processing Guide*. 2005.
- [38] E. C. Pasya and F. I. Aryanti, "PENAMBAHAN CLAY KAOLIN PADA RECYCLED HDPE (HIGH DENSITY POLYETHYLENE) SEBAGAI PURGE MATERIAL EKSTRUSI POLIPROPILENA DAN MASTERBATCH," 2021.
- [39] E. Oktariani, "Aditif polimer," 2020, pp. 31–37.
- [40] E. Oktariani, "Aditif polimer," 2020, pp. 31–37.
- [41] E. C. Pasya and F. I. Aryanti, "PENAMBAHAN CLAY KAOLIN PADA RECYCLED HDPE (HIGH DENSITY POLYETHYLENE) SEBAGAI PURGE MATERIAL EKSTRUSI POLIPROPILENA DAN MASTERBATCH," 2021.
- [42] A. F. F. Aviadi, "ARAKTERISTIK TERMAL, MEKANIK, DAN KOMPOSISI KIMIA PADA KOMPON POLIPROPILENA DENGAN PENAMBAHAN MASTERBATCH RED 418 C," 2019.
- [43] J. Murphy, *Additive for Plastics*. 2001.

- [44] A. Dwiyanti, "Analisis Pengendalian Kualitas Produk Bijih Plastik Hitam Pada Mesin Parel Tiga Menggunakan Metode Dmaic Di Pt Masolikalerindo Perkasa," vol. 53, no. 9, pp. 1689–1699, 2019.
- [45] J. M. O'Reilly and R. A. Mosher, "Functional groups in carbon black by FTIR spectroscopy," *Carbon*, vol. 21, no. 1, pp. 47–51, 1983, doi: 10.1016/0008-6223(83)90155-0.
- [46] J. M. O'Reilly and R. A. Mosher, "Functional groups in carbon black by FTIR spectroscopy," *Carbon*, vol. 21, no. 1, pp. 47–51, 1983, doi: 10.1016/0008-6223(83)90155-0.
- [47] E. C. Pasya, "PENAMBAHAN CLAY KAOLIN PADA RECYCLED HDPE (HIGH DENSITY POLYETHYLENE) SEBAGAI PURGE MATERIAL EKSTRUSI POLIPROPILENA DAN MASTERBATCH," 2019.
- [48] K. Nassau, *Color for science, art, and technology*. 1998.
- [49] A. K. R. Choudhury, *Characteristics of light sources*. 2014. doi: 10.1533/9780857099242.1.
- [50] P. B. Pathare, U. L. Opara, and F. A. J. Al-Said, "Colour Measurement and Analysis in Fresh and Processed Foods: A Review," *Food and Bioprocess Technology*, vol. 6, no. 1, pp. 36–60, 2013, doi: 10.1007/s11947-012-0867-9.
- [51] A. D2244-15a, "Standard Practice for Calculating of Color Tolerance and Color Difference from Instrumentally Measured Color Coordinates," 2015.
- [52] A. Delazio, A. Israr, and R. L. Klatzky, "Cross-modal correspondence between vibrations and colors," *2017 IEEE World Haptics Conference, WHC 2017*, no. March 2019, pp. 219–224, 2017, doi: 10.1109/WHC.2017.7989904.
- [53] A. D2244-15a, "Standard Practice for Calculating of Color Tolerance and Color Difference from Instrumentally Measured Color Coordinates," 2015.
- [54] R. K. Singh, B. Ruj, A. K. Sadhukhan, and P. Gupta, "A TG-FTIR investigation on the co-pyrolysis of the waste HDPE, PP, PS and PET under high heating conditions," *Journal of the Energy Institute*, vol. 93, no. 3, pp. 1020–1035, 2019, doi: 10.1016/j.joei.2019.09.003.
- [55] X. Kai, T. Yang, S. Shen, and R. Li, "TG-FTIR-MS study of synergistic effects during co-pyrolysis of corn stalk and high-density polyethylene (HDPE)," *Energy Conversion and Management*, vol. 181, no. 2, pp. 202–213, 2019, doi: 10.1016/j.enconman.2018.11.065.
- [56] A. K. Sahu, K. Sudhakar, and R. M. Sarviya, "Influence of U.V light on the thermal properties of HDPE/Carbon black composites," *Case Studies in Thermal Engineering*, vol. 15, no. September, p. 100534, 2019, doi: 10.1016/j.csite.2019.100534.

- [57] D. J. da Silva and H. Wiebeck, *ATR-FTIR Spectroscopy Combined with Chemometric Methods for the Classification of Polyethylene Residues Containing Different Contaminants*, vol. 30, no. 7. 2021. doi: 10.1007/s10924-022-02396-3.
- [58] H. Al-Ghamdi, K. Farah, A. Almuqrin, and F. Hosni, “FTIR study of gamma and electron irradiated high-density polyethylene for high dose measurements,” *Nuclear Engineering and Technology*, vol. 54, no. 1, pp. 255–261, 2021, doi: 10.1016/j.net.2021.07.023.
- [59] M. R. Jung *et al.*, “Validation of ATR FT-IR to identify polymers of plastic marine debris, including those ingested by marine organisms,” *Marine Pollution Bulletin*, vol. 127, no. November 2017, pp. 704–716, 2018, doi: 10.1016/j.marpolbul.2017.12.061.
- [60] M. A. Mohamed, J. Jaafar, A. F. Ismail, M. H. D. Othman, and M. A. Rahman, *Fourier Transform Infrared (FTIR) Spectroscopy*. Elsevier B.V., 2017. doi: 10.1016/B978-0-444-63776-5.00001-2.
- [61] M. R. Jung *et al.*, “Validation of ATR FT-IR to identify polymers of plastic marine debris, including those ingested by marine organisms,” *Marine Pollution Bulletin*, vol. 127, no. November 2017, pp. 704–716, 2018, doi: 10.1016/j.marpolbul.2017.12.061.