

DAFTAR PUSTAKA

- Novarini, . Darmuji, and Hilda Porawati. 2018. "Analisa Temperatur Dan Waktu Terhadap Hasil Bahan Bakar Minyak Dengan Proses Pirolisis Sampah Kantong Plastik." *Jurnal Inovator* 1(2):18–21. doi: 10.37338/ji.v1i2.22.
- Aji, Dody Bimo, and Marwan Effendy. 2025. "Mechanical Engineering for Society and Industry Combustion Characteristics of Pyrolysis Oil Droplets from Pyrolysis of Polyethylene (PE) Plastic Waste." 125–32.
- Al, Si. 2023. "XRD , SEM , FTIR Analizleri ve BET Yöntemi Yle Zeolitlerin Karakterizasyonu ve Isıl İşlem Görmüş Zeolitlerin Yüzey Asidik Özelliklerinin Belirlenmesi Characterization of Zeolites by XRD , SEM , FTIR Analysis and BET Method and Determination of Surface Aci." 273–83. doi: 10.19113/sdufenbed.1219004.
- Alaydrus, Fahrizal, Andi Hairil Alimuddin, Studi Teknik, Lingkungan Jurusan, Teknik Sipil, Fakultas Teknik, and Universitas Tanjungpura. 2022. "NONEKONOMIS MENJADI BAHAN BAKAR MINYAK ALTERNATIF DENGAN Langsung Pesatnya Pertumbuhan Penduduk Dan Ekonomi . Berbagai Penelitian Dilakukan Sampah Di Indonesia Mencapai 38 , 5 Juta Ton / Tahun . 3R Melalui Bank Sampah , Yang Diwujudkan Dengan Penetapan Pe." 1–10.
- Ardhiany, Sri. 2020. "P PENGARUH UKURAN MESH ADSORBEN ZEOLIT DAN KONSENTRASI HCl PADA PENGOLAHAN LIMBAH PENCELUPAN KAIN JUMPUTAN." *Jurnal Teknik Patra Akademika* 10(02):4–14. doi: 10.52506/jtpa.v10i02.89.
- Aryasatya, Universitas, Deo Muri, Jl Perintis Kemerdekaan, and No Kupang. 2023. "Jurnal Teknik Kimia USU Efektivitas Katalis Zeolit Alam Ende Pada Pirolisis Polietilena Dari Sampah Plastik Effectiveness of Ende Natural Zeolite Catalyst on the Pyrolysis of Polyethylene from Plastic Waste." 12(2):70–77.
- Azis Amaliah, Hijrah, and Hanizah Rante Batu. 2021. "Produksi Bahan Bakar Cair Dari Limbah Plastik Polypropylene (PP)Metode Pirolisis." *Journal of Chemical Process Engineering* 6(1).
- Bani, Gregorio Antonny. 2023. "Pemanfaatan Zeolit Alam Ende Sebagai Katalis Pada Pirolisis Polietilena Dari Sampah Plastik." *Jurnal Ilmiah Teknik Kimia* 7(2):46–55. doi: 10.32493/jitk.v7i2.29588.
- Berlian, Saprill, Aldi Try Kusuma, Arizal Aswan, Ahmad Zikri, Ibnu Hajar Politeknik Negeri Sriwijaya Palembang Sumatera Selatan, and Korespondensi Penulis. 2022. "Pirolisis Plastik Menjadi Bahan Bakar Cair Menggunakan Katalis Zeolit Teraktivasi Pyrolysis of Plastic To Liquid Fuel Using Activated Zeolite Catalyst." 5(1).

- Daligaux, Vivien, and Romain Richard. 2021. "Deactivation and Regeneration of Zeolite Catalysts Used in Pyrolysis of Plastic Wastes — A Process and Analytical Review."
- Endang, K., G. Mukhtar, Abed Nego, and F. X. Angga Sugiyana. 2016. "Processing of Plastic Waste with the Pyrolysis Method into Fuel Oil." *Development of Chemical Technology for Processing Indonesia's Natural Resources* ISSN 1693-1-7.
- Febriyani, Nanda Amalia, Tuszie Widhiyanti, and Budiman Anwar. 2023. "Pengembangan Strategi Pembelajaran Intertekstual Dengan Pogil Pada Submateri Pengaruh Katalis Terhadap Laju Reaksi Yang Berpotensi Meningkatkan Penguasaan Konsep Dan Keterampilan Berpikir Kritis Peserta Didik." *Jurnal Riset Dan Praktik Pendidikan Kimia* 11(1):13–20. doi: 10.17509/jrppk.v11i1.57942.
- Fitriyanti, Reno. 2020. "Produksi Bahan Bakar Cair Hasil Pirolisis Minyak Pelumas Bekas Pertambangan Batubara Menggunakan Katalis Zeolite." *Jurnal Redoks* 5(1):1. doi: 10.31851/redoks.v5i1.3958.
- Gala, Alberto, David Catalán-Martínez, Marta Guerrero, and José Manuel Serra. 2021. "Simulation-Assisted Design of a Catalytic Hydrogenation Reactor for Plastic Pyrolysis Fuels." *Fuel* 287:1–10. doi: 10.1016/j.fuel.2020.119400.
- Gebre, Shushay Hagos, Getaye Sendeku, and Mohamed Bahri. 2021. "Recent Trends in the Pyrolysis of Non-Degradable Waste Plastics." 1202–26. doi: 10.1002/open.202100184.
- Hermanto, and Mokh. Hairul Bahri. 2022. "Pirolisis Limbah Plastik Polypropylene Dengan Tambahan Zeolit Alam" 3(2):216–23.
- Hu, Wenhao, Zsuzsa Sárossy, Anker Degn Jensen, Anders Egede Daugaard, and Peter Arendt Jensen. 2023. "Two-Stage Fixed-Bed Low-Density Polyethylene Pyrolysis: Influence of Using Different Catalytic Materials in the Second Stage." *Energy and Fuels* 37(23):19063–75. doi: 10.1021/acs.energyfuels.3c01948.
- Kartika, Wahyu. 2022. "Agroindustrial Technology Journal." 6(2):106–17.
- Kuo, Chia Hung, Chun Yung Huang, Chwen Jen Shieh, and Cheng Di Dong. 2022. *Enzymes and Biocatalysis*. Vol. 12.
- Lee, Nahyeon, Junghee Joo, Kun-yi Andrew Lin, and Jechan Lee. 2021. "Waste-to-Fuels : Pyrolysis of Low-Density Polyethylene Waste in the Presence of H-ZSM-11." 1–9.
- Mayora, Elsa Meilia, Arifin Arifin, and Putranty Widha Nugraheni. 2023. "Pirolisis Limbah Plastik Jenis Low Density Polyethylene (LDPE) Dan Polypropylene (PP) Menggunakan Katalis Zeolit Alam." *Jurnal Teknologi Lingkungan*

Lahan Basah 11(3):773–79. doi: 10.26418/jtllb.v11i3.69221.

- Megaprastio, Bayu, Mochamad Syamsiro, Muhammad Arief, and Fadmi Rina. 2023. “Teknologi Pirolisis Untuk Konversi Sampah Plastik Menjadi Bahan Bakar Minyak : Kajian Literatur Bayu Megaprastio Dkk / Jurnal Rekayasa Mesin.” 18(2):229–40.
- Metode, Menggunakan, Pirolisis Dengan, and Katalis Zeolit. 2022. “Agroindustrial Technology Journal.” 6(2):106–17.
- Miandad, R., M. A. Barakat, Asad S. Aburizaiza, M. Rehan, and I. M. I. Ismail. 2017. “International Biodeterioration & Biodegradation Effect of Plastic Waste Types on Pyrolysis Liquid Oil Kingdom of Saudi Arabia.” 119.
- Miceli, Mariachiarra, Patrizia Frontera, Anastasia Macario, and Angela Malara. 2021. “Recovery/Reuse of Heterogeneous Supported Spent Catalysts.” *Catalysts* 11(5). doi: 10.3390/catal11050591.
- Mufidah, Azizah Amelia, and Anang Takwanto. 2023. “Pengaruh Waktu Aktivasi Mekanokimia Dan Konsentrasi Naoh Terhadap Kadar Air Dan Kadar Abu Pada Adsorben Zeolit.” *DISTILAT: Jurnal Teknologi Separasi* 9(3):295–302. doi: 10.33795/distilat.v9i3.3719.
- Muhammad, Umar, Amina Salihi, Musa Ibrahim, and Bashir Audu. 2024. “The Role of Zeolite (Microporous Crystalline Aluminosilicates) In Catalytic Pyrolysis of Waste High- and Low-Density Polyethylene Bags for Production of Fuel and Chemicals : A Review.” 07(01):82–96. doi: 10.20885/ijca.vol7.iss1.art9.
- Okonsky, Sean Timothy, and Neil Robert Hogan. 2024. “Effect of Pyrolysis Operating Conditions on the Catalytic Co-Pyrolysis of Low-Density Polyethylene and Polyethylene Terephthalate with Zeolite Catalysts.” (February):1–15. doi: 10.1002/aic.18548.
- Ore, Odunayo T., and Festus M. Adebisi. 2021. “A Review on Current Trends and Prospects in the Pyrolysis of Heavy Oils.” *Journal of Petroleum Exploration and Production* 11(3):1521–30. doi: 10.1007/s13202-021-01099-0.
- Putra, M. R. R., Azharuddin, and A. A. Sani. 2021. “Pengaruh Katalis (NaOH) Dalam Proses Serta Hasil Pengolahan Oli Bekas Menjadi Bahan Bakar Cair (BBC).” *Machinery Jurnal Teknologi Terapan* 2(1):8–14.
- Sania, Sania, and Luchis Rubianto. 2023. “Studi Literatur Pengaruh Suhu Pemanasan Dan Jenis Katalis Terhadap Produksi Minyak Pirolisis Sampah Plastik.” *DISTILAT: Jurnal Teknologi Separasi* 6(2):171–75. doi: 10.33795/distilat.v6i2.72.
- Variasi, Pengaruh, Temperatur Pirolisis, Sampah Plastik, and Hdpe Terhadap. 2026. “JURITEK : Jurnal Ilmiah Teknik Mesin , Elektro Dan Komputer.”

- Version, Document. 2024. "Advancements in Supported Liquid-Phase Hydroformylation."
- Wahyu, Mujahid, Nila Nurlina, and Dani Irawan. 2023. "Multitek Indonesia : Jurnal Ilmiah Multitek Indonesia : Jurnal Ilmiah." *Multitek Indonesia: Jurnal Ilmiah* 17(1):60–68.
- Wijayanti, Hesti, Desy Ratnasari, and Rahman Hakim. 2020. "Studi Kinetika Pirolisis Sekam Padi Untuk Menghasilkan Bio-Oil Sebagai Energi Alternatif." *Buletin Profesi Insinyur* 3(2):83–88. doi: 10.20527/bpi.v3i2.67.
- Wongkhorsub, Chonlakarn, Wantana Chaowasin, and Kampanart Theinnoi. 2022. "Experimental Evaluation of Performance and Combustion Characteristics of Blended Plastic Pyrolysis Oil in Enhanced Diesel Engine." *Energies* 15(23). doi: 10.3390/en15239115.
- Yaqoob, Haseeb, Hafiz Muhammad Ali, and Umair Khalid. 2024. "Pyrolysis of Waste Plastics for Alternative Fuel: A Review of Key Factors." *RSC Sustainability* 3(1):208–18. doi: 10.1039/d4su00504j.
- Zaenuri, Muhammad, and Nely Ana Mufarida. 2023. "Pengaruh Variasi Komposisi Zeolit Alam Terhadap Hasil Pirolisis Plastik Campuran Polypropylene Dan Polyethylene Terephthalate." 21(2):227–33.
- Zaman, Faizal Hoerul, Miftahudin, and Amar Maruf. 2024. "Model Pemanfaatan Sampah Plastik Dengan Teknologi Pirolisis Menjadi Bahan Bakar." *Karimah Tauhid* 3(4):4984–5001. doi: 10.30997/karimahtauhid.v3i4.13016.
- Zsm-, Gas Products, and Mcm- Catalysts. 2023. "Efficient Pyrolysis of Low-Density Polyethylene for Regulatable Oil and Gas Products by ZSM-5, HY and MCM-41 Catalysts." 1–13.