

DAFTAR PUSTAKA

- Alsultan-Abdulkareem G., Asikin Mijan., Nasar Mansir., H.V. Lee., Zulkarnain Zainal., Aminul Islam., dan Y.H. Taufiq-Yap. 2018. Pyro-lytic De-oxygenation of Waste Cooking Oil for Green Diesel *Production Over Ag₂O₃La₂O₃/AC Nano-Catalyst*. Journal of Analytical and Applied Pyrolysis. <https://doi.org/10.1016/j.jaap.2018.11.023>.
- Ameen, Mariam., Mohammad Tazli Azizan., Anita Ramli., Suzana Yusup., dan Mohammad Sahban Alnarabji. 2018. *Catalytic Hydrodeoxygenation of Rubber Seed Oil Over Sonochemically Synthesized Ni-Mo/ γ -Al₂O₃ Catalyst for Green Diesel Production*. Department of Chemical Engineering, University Teknologi Petronas: Malaysia.
- Andhika, Ray. 2012. *Hidrogenasi Minyak Jarak dengan Menggunakan Katalis Nikel/Zeolit Alam pada Tekanan Rendah Untuk Pembuatan Asam 12-Hidroksistearat*. Universitas Indonesia : Depok.
- Anonim. 2019. Minyak Kelapa Sawit. <https://www.indonesia-investments.com/id/bisnis/komoditas/minyak-sawit/item166?>. Diakses pada 01 Mei 2019.
- Buchori, L. Dan Widayat. 2009. Pembuatan Biodiesel dari Minyak Goring Bekas dengan Proses Catalytic Cracking. Prosiding Seminar Nasional Teknik Kimia 2009, Jurusan Teknik Kimia, FT, UNDIP, Semarang.
- De, S., Saha, B., Luque, R., 2015. Hydrodeoxygenation Processes: Advances on Catalytic Transformations of Biomass-Derived Platform Chemicals into Hydrocarbon Fuels. *Bioresource Technology*. 178 (2015):108-118.
- Dindi, H., Sengupta, S., Gonzon, A., Corbin, D. (2011). Patent No. 8084655. United States of America.
- Douvartzides, Savvas L., Nikolaos D. Charisiou., Kyriakos N. Papageridis., dan Maria A. Goula. 2019. *Green Diesel: Biomass Feedstocks, Production Technologies, Catalytic Research, Fuel Properties and Performance in Compression Ignition Internal Combustion Engines*. *Energies*. 12, 809. Doi:10.3390/en12050809.
- Hudaya, Tedi dan I Pandega Wiratama. 2014. *Minyak Biji Kapok (Ceiba Pentandra) dengan Katalis Ni-Mo/ γ -Al₂O₃ untuk Sintesa Biohidrokarbon*. Universitas Katolik Parahyangan.
- Holmgren, Jennifer, Chris Gosling, Rich Marunangeli, and Terry Marker. 2013. A New Development in Renewable Fuels: Green Diesel : ENI Milan, Italy.

- Heriyanto, Heri, Sumbogo Murti, Septina Is Heriyanti, Inayatu Sholehah, dan Ayi Rahmawati. 2018. Synthesis of Green Diesel From Waste Cooking Oil Through Hydrodeoxygenation Technology With NiMo/ γ -Al₂O₃ Catalysts. MATEC Web of Conferences. <https://doi.org/10.1051/mateconf/201815603032>.
- Hagen, J. 2006. *Industrial Catalysis: A Practical Approach, 2nd edition*. Weinheim: WILEY-VCH Verlag GmbH and Co. KGaA.
- Indonesian Palm Oil Association (Gapki.id). 2016. *Menyambut Krisis Energi Tahun 2050, Apa yang Sudah Kita Persiapkan?*. <https://gapki.id/news/1655/menyambut-krisis-energi-2050-apa-yang-sudah-kita-persiapkan>. Diakses pada 20 Maret 2020.
- Kalnes, Tom., Terry Marker., dan David R Shonnard. 2007. *Green Diesel: A Second Generation Biofuel*. International Journal of Chemical Engineer Reactor Engineering.
- Kemenperin 2019. Bahan Bakar Fosil Tumpuan Industri. <http://www.kemenperin.go.id/artikel/6820/Bahan-Bakar-Fosil-Tumpuan-Industri>. Diakses pada 03 Mei 2020.
- Ketaren. 2005. Minyak dan Lemak Pangan. Jakarta: Universitas Indonesia Press.
- Mughal, Ali Akhlaq. 2011. Hydrogenation of Vegetable Oil Over NiMo-S/ γ -Al₂O₃, Pt/ β - Zeolite and Pd/C Catalysts for Biodiesel Production. Master of Science Thesis, Department of Chemical and Biological Engineering, Chalmers University of Technology : Göteborg, Sweden.
- Muhamad Azhar dan Dendy Adam Satriawan. 2018. Implementasi Kebijakan Energi Baru dan Energi Terbarukan Dalam Rangka Ketahanan Energi Nasional. Fakultas Hukum, Universitas Diponegoro.
- Muhammad Al Muttaqii1, dkk. 2019. *The Effect Of Chemical Activation By Using Acid And Base Solution On Natural Zeolite Characteristics*. Jurusan Teknik kimia, Fakultas Teknologi Industri, Institut Teknologi Sepuluh Nopember.
- Mustapha, I., R.E. Sardjono., A. Setiabudi., dan S.S. Fatimah. 2009. *Preparasi dan Uji Aktivitas Logam Sulfida-Lempung Aktif pada Hidrotreating Minyak Nabati Non Pangan (Alur Baru Pembuatan Biodiesel)*. Laporan Akhir Strategis Nasional Tahun Anggaran 2009. Universitas Pendidikan Indonesia.
- Naik, S.N., Goud, Vaibhav V., Rout, Prasant K., and Dalai, Anjay K. 2010. Production of First and Second Generation Biofuels: A Comprehensive Review. Journal of Renewable and Sustainable Energy Reviews, pp. 578 – 597, Elsevier.
- Orozco, Laura M., David A.Echeverri, Lorena Sánchez, dan Luis A.Rios. 2017. Second- Generation Green Diesel from Castor Oil: Development of A New and Efficient Continuous- Production Process. Chemical Engineering Journal, vol. 322, pp. 149 – 156, Elsevier. DOI: <https://doi.org/10.1016/j.cej.2017.04.027>

- Paggiaro, Ricardo Gaspar. 2008. *Investigation of Cryogenic Hydrogen Storage on High Surface Area Activated Carbon: Equilibrium and Dynamics*. Dissertation of der Fakultat fur Maschinenwesen der Technischen Universitat Munchen, Munich.
- Riandy Putra, Witri Wahyu Lestari, Fajar Rakhman Wibowo, Bambang Heru Susanto. 2017. Fe/Indonesian Natural Zeolite as Hydrodeoxygenation Catalyst in Green Diesel Production from Palm Oil. *Bulletin of Chemical Reaction Engineering & Catalysis*, 13 (2) 2018, 245-255.
- Salamah, Siti dan Martomo Setyawan. 2013. *Karakteristik Reaktor Hidrogenasi Minyak Biji Kapuk untuk Pembuatan Green Diesel*. Universitas Ahmad Dahlan: Yogyakarta.
- Sánchez, MG., Cruz, MS., Arenas, TL., García, TV., Tapia, AO., Oemichen, RL., Cisneros, ESP. 2018. An Integrated Reactive Separation Process for Co-Hydrotreating of Vegetable Oils and Gasoil to Produce Jet Diesel. *Computer Aided Chemical Engineering*. 43 (2018):839-844.
- Sangnikul, Patiphat., Chanisara Phanpa., Rui Xiao., Huiyan Zhang., Prasert Reubroycharoen., Prapan Kuchontara., Tharapong Vitidsan., Adisak Pattiya., dan Napida Hinchiranan. 2019. Role of Copper or Cerium Promoters on NiMo/ γ -Al₂O₃ Catalyst in Hydrodeoxygenation of Guaiacol and Bio-oil. *Jurnal Applied Catalyst A. General* 574: 151-160.
- Sotelo-Boyás. R, Liu Y, Minowa T. 2011. *Renewable Diesel Production from the Hydrotreating of Rapeseed Oil with Pt/Zeolite and NiMo/Al₂O₃ Catalysts*. *Ind. Eng. Chem. Res.* 2011;50 (5):2791-9.
- Subdikatorat Statistik Tanaman Perkebunan. 2018. *Statistik Kelapa Sawit Indonesia 2017*. Jakarta: Badan Pusat Statistik.
- Tsani, Fatimatuts. 2011. *Preparasi dan Karakterisasi Katalis NiMo/ γ -Al₂O₃ untuk Sintesis Bahan Bakar Bio dari Minyak Jarak Melalui Pirolisis Berkatalis*. Depok: Teknik Kimia Universitas Indonesia.
- Veriansyah, Bambang., Jae Young Han., Seok Ki Kim., Seung-Ah Hong., Young Jun Kim., Jong Sung Lim., Young-Wong Shu., Seong-Geong Oh., dan Jaehon Kim. 2012. *Production of renewable diesel by hydroprocessing of soybean oil: Effect of catalysts*. *Fuel* 94. 578-585.
- Vonortas, A., D. Kubicka., dan N. Papayannakos. 2012. *Catalytic Co-hydroprocessing of Gasoil–Palm Oil/AVO Mixtures Over a NiMo/c-Al₂O₃ catalyst*. *Fuel* 116.
- Wang, F., J. Xu., J. Jiang., P. Liu., P. Li., J. Ye., dan M. Zhou. 2017. *Hydrotreatment of Vegetable Oil for Green Diesel Over Activated Carbon Supported Molybdenum Carbide Catalyst*. *Fuel*. 216 (2017):738-746.

Widi, Restu K. 2018. Pemanfaatan Material Anorganik: Pengenalan dan Beberapa Inovasi di Bidang Penelitian. Yogyakarta: Deepublish.