

## 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 Ag<sub>2</sub>O<sub>3</sub>La<sub>2</sub>O<sub>3</sub>/AC Nano-Catalyst*. Journal of Analytical and Applied Pyrolysis.
- Ameen, Mariam., Mohammad Tazli Azizan., Anita Ramli., Suzana Yusup., dan Mohammad Sahban Alnarabiji. 2018. *Catalytic Hydrodeoxygenation of Rubber Seed Oil over Sonochemically Synthesized Ni-Mo/γ-Al<sub>2</sub>O<sub>3</sub> Catalyst for Green Diesel Production*. Ultrasonics Sonochemistry.
- Andhika, Ray. 2012. *Hidrogenasi Minyak Jarak dengan Menggunakan Katalis Nikel/Zeolit Alam pada Tekanan Rendah Untuk Pembuatan Asam 12-Hidroksistearat*. Universitas Indonesia : Depok.
- Anggraeni, W. (2014). *Sintesis dan Karakterisasi ZrO<sub>2</sub>-CuO Sebagai Fungsi Perbandingan Mol.* 02(02), 117–124.
- Arun, K.B., et al. (2015) *Plantain Peel-A Potential Source of Antioxidant Dietary Fibre for Developing Functional Cookies*. Journal of Food Science and Technology, 52, 6355-6364. <https://doi.org/10.1007/s13197-015-1727-1>
- Awaluddin, A. (2010). *Peranan Kimia Dalam Pengembangan Bahan Bakar Biodiesel*. Sidang Senat. Jurusan Kimia Fakultas Matematika Dan Ilmu Pengetahuan Alam Universitas Riau.
- D, S. M. S., Puspittek, K., Kimia, J. T., Teknik, F., Sultan, U., & Tirtayasa, A. (2017). Sintesa bio-bensin melalui perengkahan katalitik minyak jelantah dengan katalis zeolite alam bayah. 29–34.
- 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.
- Department of Food Science and Technology. 2005. Kandungan Kimia Minyak Jelantah. [http://www.Pikiran\\_rakyat.com](http://www.Pikiran_rakyat.com). (Diakses pada tanggal 9 Juli 2021).
- Destiana, M., 2007. Intensifikasi Proses Produksi Biodiesel. Tesis. <https://digilib.itb.ac.id/>. Tanggal Akses 21 Mei 2021.
- Dewayani (2005), *Pembuatan Biogasoline dari Palm Oil Metil Ester Melalui Reaksi Perengkahan dengan Inisiator Metil Etil Keton Peroksida dan Katalis Asam Sulfat*, Skripsi. Program Sudi Teknik Kimia – Universitas Indonesia, Depok, Indonesia (tentang kenaikan visko karena deposit karbon).

- Dindi, H., Sengupta, S., Gonzon, A., Corbin, D. (2011). *Patent No. 8084655*. United States of America.
- Dwiratna, B. dan Soebagjo. 2015. Pengembangan Katalis NiMo Alumina Untuk Reaksi Hidrodeokksigenasi Minyak Nabati Menjadi Bioavtur. *Jurnal Energi dan Lingkungan*. Vol 11, No,7.
- Hagen, J. 2006. *Industrial Catalysis: A Practical Apporach, 2nd edition*. Weinheim: WILEY-VCH Verlag GmbH & Co. KgaA
- Holmgren, Jennifer., Chris Gosling., Rich Marinangeli., dan Terry Marker. 2007. *A New Development in Renewable Fuels: Green Diesel*. UOP.LCC. Des Palines, Illonis, USA.
- Hosseini, S. A., A. Niaezi, & D. Salari. 2011. Production of Gamma Alumina from Kaolin. *Open Journal of Physical Chemistry*. 1: 23-27.
- Hudaya, Tedi., & I Gede Pandega W. 2015. *Kajian Kinerja Katalis Ni-Mo-S/Al<sub>2</sub>O<sub>3</sub> Proses Hydrotreating Minyak Biji Kapok (Ceiba pentandra) untuk Sintesa Biohidrokarbon*. Universitas Katolik Parahyangan : Bandung.
- Irzon, R. 2012. Perbandingan Caloric Value Beragam Bahan Bakar Minyak yang Dipasarkan di Indonesia Menggunakan Bomb Kalorimeter. *Jurnal Sumber Daya Geologi* Vol.22 No. 4, Vol.22 No. 4 217-223.
- Jacobson, M.Z., Delucchi, M.A., 2013. Response to Trainer's second commentary on a plan to power the world with wind, water, and solar power. *Energy Policy* 57, 641–643.
- J. Newnham, K. Mantri, MH Amin, J. Tardio, SK Bhargava.2012. *Highly stable and active Ni-mesoporous alumina catalysts for dry reforming of methane*, *Int. J. Hydrog. Energy* 37. 1454–1464.
- Kalnes, Tom N., Ken P. Koers., Terry Marker., dan David R. Shonnard. 2009. *A Technoeconomic and Environmental Life Cycle Comparison of Green Diesel to Biodiesel and Syndiesel*. Willey InterScience: Department of Chemical Engineering, Michigan Technological University, Houghton, MI.
- Kumar, P. and Maity, S. 2020. *Role of NiMo Alloy and Ni Species in the Performance of NiMo/Alumina Catalysts for Hydrodeoxygenation of Stearic Acid: A Kinetic Study*. OCS OMEGA, American.

Kurniawan, E., & Sari, I. (2015). Kresek Menjadi Bahan Bakar Menggunakan Proses Pirolisis, Iv, 1–5. (kadar air)

M., Muzakir, U., & Syuhada, A. (2012). Karakterisasi Material Penyimpan Kalor Laten Menggunakan. 1(Desember), 1–5.

Maghfury, T. I., Teknik, J., Fakultas, M., & Surakarta, U. M. (2020). Analisis X-Ray Diffraction ( Xrd ) Pada Brazing Aluminium Seri 1000 Dan Stainless Steel Seri 304 Dengan Penambahan Serbuk.

Mahreni. 2010. Peluang dan Tantangan Komersialisasi Biodiesel-Review. Jurnal Eksergi Volume X nomor 2. Yogyakarta : Jurusan Teknik Kimia Fakultas Teknologi Industri Universitas Pembangunan Nasional “Veteran”.

Marchetti, J. M., Miguel, V.U., Errazu, A.F. (2007) *Possible methods for biodiesel production, Renewable and Sustainable Energy Reviews* 11, 1300–1311.

Mohammad, Masita., Thusara Kandaramath Hari., Zahira Yakoob., Yogesh Chandra Sharma., dan Kamaruzzaman Sopian. 2012. *Overview On the Production of Paraffin based-Biofuels Via Catalytic Hydrodeoxygenation. Renewable and Sustainable Energy Review*. 22. 121-132.

Mohammad, et al. 2012. *Overview on the Production of Paraffin Based-Biofuels. Renewable and Sustainable Energy Reviews*.

Mughal, Ali Akhlaq. 2011. *Hydrogenation of Vegetable Oil Over NiMo/γ-Al2O3, Pt//β-Zeolite, dan Pd/C Catalysts for Biodiesel Production. Master of Science Thesis, Departement of Chemical and Biological Engineering. Chalmers University of Technology*: Goteborg, Sweden.

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 Sanchez., dan Luis A Rios. 2017. *Second-Generation Green Diesel from Castor Oil: Development of a New and Efficient Continuous-Production Process. Chemical Engineering Journal*

Paggiaro, Ricardo Gaspar. 2008. *Investigation of Cryogenic Hydrogen Storage on High Surface Area Activated Carbon: Equilibrium and Dynamics*.

- Patel, Madhumita dan Amit Kumar. 2016. *Production of renewable Diesel Through The Hydroprocessing of Lignocellulosic Biomass-Derived Bio-Oil : A Review*. Renewable and Sustainable Energy Reviews. Vol. 58. (1293-1307). Department of Mechanical Engineering, University of Alberta: Canada.
- Setiawan, E., & Edwar, F. (2012). *Teknologi Pengolahan Biodiesel dari Minyak Goreng Bekas dengan Teknik Mikrofiltrasi dan Transesterifikasi sebagai Alternatif Bahan Bakar Mesin Diesel*. Jurnal Riset Industri Vol.VI No.2, 117-127.
- Srivastava, V., Gusain, D., & Sharma, Y. C. (2013). Synthesis, characterization and application of zinc oxide nanoparticles (n-ZnO). *Ceramics International*, 39(8), 9803–9808. <https://doi.org/10.1016/j.ceramint.2013.04.110>
- Syarifudin, dkk. 2019. *Pengaruh Viskositas Biodiesel Campuran Solar-Minyak Sawit-Alkohol Terhadap Potensi Penurunan Performa Dan Peningkatan Emisi Jelaga*. Politeknik Harapan Bersama : Tegal.
- Trisunaryanti, Wega. 2018. *Material Katalis dan Karakternya*. Gadjah Mada University Press: Yogyakarta.
- Tsani, Fatimatuts. 2011. Preparasi dan Karakterisasi Katalis NiMo/ $\gamma$ -Al<sub>2</sub>O<sub>3</sub> 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. 2011. *Production of renewable diesel by hydroprocessing of soybean oil: Effect of catalysts*. Fuel 94. 578-585
- Widi, Restu K. 2018. Pemanfaatan Material Anorganik: Pengenalan dan Beberapa Inovasi di Bidang Penelitian. Yogyakarta: Deepublish.
- Zhong and Xiangqin. (2012). Hydrodeoxygenation of Model Compounds and Catalytic Systems for Pyrolysis Bio-Oils Upgrading. *Catalysis for Sustainable Energy*.
- Zikri, A., Puspita, I., Erlinawati, Sutini PLAgus, M., Elbi Zalita, P., & Andre, K. (2021). Production of Green Diesel From Crude Palm Oil (CPO) Through Hydrotreating Process by Using Zeolite Catalyst. *Proceedings of the 4th Forum in Research, Science, and Technology (FIRST-T1-T2-2020)*, 7, 67–74. <https://doi.org/10.2991/ahe.k.210205.013>