DAFTAR PUSTAKA

Agustian, E., Untoro, P., & Sulaswatty, A. (2018). Esterification of Waste Cooking Oil Using Ultrasonic Esterification of Waste Cooking Oil Using Ultrasonic: Kinetic Study. In *Terap.Indones* (Vol. 20, Issue 2). http://inajac.lipi.go.id

Alias, N. I., Kumar, J., Jayakumar, A. / L., & Zain, S. M. (2018). Characterization of Waste Cooking Oil for Biodiesel Production. *Jurnal Kejuruteraan SI*, *1*(2), 79–83. https://doi.org/10.17576/jkukm-2018-si1(2)-10

Ardhyarini, N., Setiawan, D. I., & Nardey, S. (2013). Effect Of Reactor Pressure On Coal Tar Hydrocracking. *JKTI*, *15*(2).

Arend, M., Nonnen, T., Hoelderich, W. F., Fischer, J., & Groos, J. (2011). Catalytic deoxygenation of oleic acid in continuous gas flow for the production of diesel-like hydrocarbons. *Applied Catalysis A: General*, *399*(1–2), 198–204. https://doi.org/10.1016/j.apcata.2011.04.004

Asikin-Mijan, N., Lee, H. v., Abdulkareem-Alsultan, G., Afandi, A., & Taufiq-Yap, Y. H. (2017). Production of green diesel via cleaner catalytic deoxygenation of Jatropha curcas oil. *Journal of Cleaner Production*, *167*, 1048–1059. https://doi.org/10.1016/j.jclepro.2016.10.023

Asikin-Mijan, N., Lee, H. v., Juan, J. C., Noorsaadah, A. R., & Taufiq-Yap, Y. H. (2017). Catalytic deoxygenation of triglycerides to green diesel over modified CaO-based catalysts. *RSC Advances*, *7*(73), 46445–46460. https://doi.org/10.1039/c7ra08061a

Bezergianni, S., Dimitriadis, A., Kalogianni, A., & Knudsen, K. G. (2011). Toward hydrotreating of waste cooking oil for biodiesel production. Effect of pressure, H2/oil ratio, and liquid hourly space velocity. *Industrial and Engineering Chemistry Research*, *50*(7), 3874–3879. https://doi.org/10.1021/ie200251a

di Benedetto, A., Sanchirico, R., & di Sarli, V. (2018). Effect of pressure on the flash point of various fuels and their binary mixtures. *Process Safety and Environmental Protection*, *116*, 615–620. https://doi.org/10.1016/j.psep.2018.03.022

Douvartzides, S. L., Charisiou, N. D., Papageridis, K. N., & Goula, M. A. (2019). Green diesel: Biomass feedstocks, production technologies, catalytic research, fuel properties and performance in compression ignition internal combustion engines. In *Energies* (Vol. 12, Issue 5). MDPI AG. https://doi.org/10.3390/en12050809

Erliyanti, N. K., Sari, A. K., Chumaidi, A., Yogaswara, R. R., & Saputro, E. A. (2021). Transesterification Of Biodiesel From Kapok Seed Oil (Ceiba pentandra). *Konversi*, *10*(2). https://doi.org/10.20527/k.v10i2.11247

Fazlunnazar, M., Hakim, L., Meriatna, Sulhatun, & Aminullah, M. M. (2020). Produksi Gas Hidrogen Dari Air Laut Dengan Metode Elektrolisis Menggunakan Elektroda Tembaga Dan Alumunium (Cu dan Al). *Teknologi Kimia Unimal*, *9*(1), 58–66. www.ft.unimal.ac.id/jurnal_teknik_kimia

Gousi, M., Andriopoulou, C., Bourikas, K., Ladas, S., Sotiriou, M., Kordulis, C., & Lycourghiotis, A. (2017). Green diesel production over nickel-alumina co-precipitated catalysts. *Applied Catalysis A: General*, *536*, 45–56. https://doi.org/10.1016/j.apcata.2017.02.010

Hongloi, N., Prapainainar, P., & Prapainainar, C. (2021). Review of green diesel production from fatty acid deoxygenation over Ni-based catalysts. *Molecular Catalysis*. https://doi.org/10.1016/j.mcat.2021.111696

Kaewtrakulchai, N., Kaewmeesri, R., Itthibenchapong, V., Eiad-Ua, A., & Faungnawakij, K. (2020). Palm oil conversion to bio-jet and green diesel fuels over cobalt phosphide on porous carbons derived from palm male flowers. *Catalysts*, *10*(6), 1–18. https://doi.org/10.3390/catal10060694

Kantama, A., Narataruksa, P., Hunpinyo, P., & Prapainainar, C. (2015). Techno-economic assessment of a heat-integrated process for hydrogenated renewable diesel production from palm fatty acid distillate. *Biomass and Bioenergy*, *83*, 448–459. https://doi.org/10.1016/j.biombioe.2015.10.019

Khan, Z. A., Saeed, A., Hadfield, M., Ghafoor, A., Khan, Z. A., Saeed, A., Gregory, O., & Ghafoor, A. (2016). A Review of Biodiesel Performance within Internal Combustion Engine Fuel System Numerical simulation of contacts working under mixed lubricating conditions View project Sustainable Design View project Tribology in Industry Biodiesel Performance within Internal Combustion Engine Fuel System-A Review (Vol. 38, Issue 2). https://www.researchgate.net/publication/285588505

Kubičková, I., & Kubička, D. (2010). Utilization of triglycerides and related feedstocks for production of clean hydrocarbon fuels and petrochemicals: A review. Waste and Biomass Valorization, *1*(3), 293–308. https://doi.org/10.1007/s12649-010-9032-8

Liu, Y., Sotelo-Boyás, R., Murata, K., Minowa, T., & Sakanishi, K. (2011). Hydrotreatment of vegetable oils to produce bio-hydrogenated diesel and liquefied petroleum gas fuel over catalysts containing sulfided Ni-Mo and solid acids. *Energy and Fuels*, *25*(10), 4675–4685. https://doi.org/10.1021/ef200889e

Liu, Y., Yang, X., Adamu, A., & Zhu, Z. (2021). Economic evaluation and production process simulation of biodiesel production from waste cooking oil. *Current Research in Green and Sustainable Chemistry*, *4*. https://doi.org/10.1016/j.crgsc.2021.100091

Mahdi, H. I., & Muraza, O. (2016). Conversion of Isobutylene to Octane-Booster Compounds after Methyl tert-Butyl Ether Phaseout: The Role of Heterogeneous Catalysis. In *Industrial and Engineering Chemistry Research* (Vol. 55, Issue 43, pp. 11193–11210). American Chemical Society. https://doi.org/10.1021/acs.iecr.6b02533

Mahdi, H. I., & Muraza, O. (2019). An exciting opportunity for zeolite adsorbent design in separation of C4 olefins through adsorptive separation. In *Separation and Purification Technology* (Vol. 221, pp. 126–151). Elsevier B.V. https://doi.org/10.1016/j.seppur.2018.12.004

Mannu, A., Vlahopoulou, G., Urgeghe, P., Ferro, M., del Caro, A., Taras, A., Garroni, S., Rourke, J. P., Cabizza, R., & Petretto, G. L. (2019a). Variation of the chemical composition of waste cooking oils upon bentonite filtration. *Resources*, *8*(2). https://doi.org/10.3390/resources8020108

Mannu, A., Vlahopoulou, G., Urgeghe, P., Ferro, M., del Caro, A., Taras, A., Garroni, S., Rourke, J. P., Cabizza, R., & Petretto, G. L. (2019b). Variation of the chemical composition of waste cooking oils upon bentonite filtration. *Resources*, *8*(2). https://doi.org/10.3390/resources8020108

Orozco, L. M., Echeverri, D. A., Sánchez, L., & Rios, L. A. (2017). Second-generation green diesel from castor oil: Development of a new and efficient continuous-production process. *Chemical Engineering Journal*, *322*, 149–156. https://doi.org/10.1016/j.cej.2017.04.027

Papageridis, K. N., Charisiou, N. D., Douvartzides, S. L., Sebastian, V., Hinder, S. J., Baker, M. A., AlKhoori, S., Polychronopoulou, K., & Goula, M. A. (2020). Effect of operating parameters on the selective catalytic deoxygenation of palm oil to produce renewable diesel over Ni supported on Al2O3, ZrO2 and SiO2 catalysts. *Fuel Processing Technology*, *209*. https://doi.org/10.1016/j.fuproc.2020.106547

Pimenta, J. L. C. W., Barreto, R. D. T., dos Santos, O. A. A., & de Matos Jorge, L. M. (2020). Effects of reaction parameters on the deoxygenation of soybean oil for the sustainable production of hydrocarbons. *Environmental Progress and Sustainable Energy*, *39*(5). https://doi.org/10.1002/ep.13450

Purnami, Wardana, I., & Veronika, K. (2015). Pengaruh Penggunaan Katalis Terhadap Laju Dan Efisiensi Pembentukan Hidrogen. *Jurnal Rekayasa Mesin*, *6*(1), 51–59.

Putri, R. U., Susanto, B. H., Pratama, D. F., & Prakasa, M. B. (2018). Synthesis of green diesel through hydrolysis and hydrodeoxygenation reaction from waste cooking oil using NiMo/Al2O3 catalyst. *IOP Conference Series: Earth and Environmental Science*, *105*(1). https://doi.org/10.1088/1755-1315/105/1/012051

Rakmae, S., Osakoo, N., Pimsuta, M., Deekamwong, K., Keawkumay, C., Butburee, T., Faungnawakij, K., Geantet, C., Prayoonpokarach, S., Wittayakun, J., & Khemthong, P. (2020). Defining nickel phosphides supported on sodium mordenite for hydrodeoxygenation of palm oil. *Fuel Processing Technology*, *198*. https://doi.org/10.1016/j.fuproc.2019.106236

Rasidi, I., Agung Bawa Putra, A., & Wayan Suarsa, dan I. (n.d.). Preparasi Katalis Nikel-Arang Aktif Untuk Reaksi Hidrogenasi Asam Lemak Tidak Jenuh Dalam Minyak Kelapa.

Setiono, I., . M., & Broto, R. W. (2019). Production of Biodiesel from Palm Oil Oil Using Nizn /Al2o3 Catalyst As Biomass Alternative Energy. *KnE Social Sciences*. https://doi.org/10.18502/kss.v3i18.4764

Setyawan, M. (2014). Studi Pengendalian Pemanas Pada Reaktor Hidrogenasi Minyak Nabati Menjadi Green diesel Dengan Jaket Pemanas. *1*(1), 27–32.

Singh, D., Sharma, D., Soni, S. L., Sharma, S., & Kumari, D. (2019). Chemical compositions, properties, and standards for different generation biodiesels: A review. In *Fuel* (Vol. 253, pp. 60–71). Elsevier Ltd. https://doi.org/10.1016/j.fuel.2019.04.174

Siregar, Y. D. I. (2010). *Produksi Gas Hidrogen Dari Limbah Alumunium Yusraini Dian Inayati Siregar* (Vol. 2, Issue 1).

Sotelo-Boyas, R., Trejo-Zarraga, F., & Jesus Hernandez-Loyo, F. de. (2012). Hydroconversion of Triglycerides into Green Liquid Fuels. In *Hydrogenation*. InTech. https://doi.org/10.5772/48710

Srifa, A., Faungnawakij, K., Itthibenchapong, V., & Assabumrungrat, S. (2015). Roles of monometallic catalysts in hydrodeoxygenation of palm oil to green diesel. *Chemical Engineering Journal*, *278*, 249–258. https://doi.org/10.1016/j.cej.2014.09.106

Srifa, A., Faungnawakij, K., Itthibenchapong, V., Viriya-empikul, N., Charinpanitkul, T., & Assabumrungrat, S. (2014). Production of bio-hydrogenated diesel by catalytic hydrotreating of palm oil over $NiMoS_2/\gamma$-Al_2O_3 catalyst. *Bioresource Technology*, *158*, 81–90. https://doi.org/10.1016/j.biortech.2014.01.100

Tran, T. T. V., Kaiprommarat, S., Kongparakul, S., Reubroycharoen, P., Guan, G., Nguyen, M. H., & Samart, C. (2016). Green biodiesel production from waste cooking oil using an environmentally benign acid catalyst. *Waste Management*, *52*, 367–374. https://doi.org/10.1016/j.wasman.2016.03.053

Vignesh, P., Remigious, A., Kumar, P., Ganesh, S., Jayaseelan, V., Sudhakar, K., Jayaseelan, V.-D., Biodiesel, K. S., & Ganesh, N. S. (n.d.). *DSC used to follow the evolution of W/O emulsions versus time on ground and in space in the ISS (International Space Station)*. https://doi.org/10.2516/ogst/2020088ï

Widayat, Hilman, M. H., Bagus, B. S., & Rahmawan, A. (2014). Pengaruh Jenis Packing Dan Tekanan Vakum dalam Peningkatan Mutu Minyak Cengkeh. *Simposium Nasional RAPI , XIII*.

Zhao, X., Wei, L., Cheng, S., Kadis, E., Cao, Y., Boakye, E., Gu, Z., & Julson, J. (2016). Hydroprocessing of carinata oil for hydrocarbon biofuel over Mo-Zn/Al_2O_3. *Applied Catalysis B: Environmental*, *196*, 41–49. https://doi.org/10.1016/j.apcatb.2016.05.020

Zikri, A., & Aznury, M. (2020a). Green diesel production from Crude Palm Oil (CPO) using catalytic hydrogenation method. *IOP Conference Series: Materials Science and Engineering*, *823*(1). https://doi.org/10.1088/1757-899X/823/1/012026

Zikri, A., Puspita, I., PLAgus, S. M., & Zalita, E. P. (2021). *Production of Green Diesel From Crude Palm Oil (CPO) Through Hydrotreating Process by Using Zeolite Catalyst*.