

DAFTAR PUSTAKA

- 200717-katalisis-cpo-menjadi-biodiesel-dengan-k(2).pdf. (n.d.).
- Ahmad Reza Zulham (UNJ/PTM). (2022). *PEMBUATAN BIODIESEL MENGGUNAKAN KATALIS KARBON AKTIF SEKAM PADI*. Universitas Negeri Jakarta.
- Akhabue, C. E., Osa-Benedict, E. O., Oyedoh, E. A., & Otoikhian, S. K. (2020). Development of a bio-based bifunctional catalyst for simultaneous esterification and transesterification of neem seed oil: Modeling and optimization studies. *Renewable Energy*, 152, 724–735.
<https://doi.org/10.1016/j.renene.2020.01.103>
- Alagumalai, A., Mahian, O., Hollmann, F., & Zhang, W. (2021). Environmentally benign solid catalysts for sustainable biodiesel production: A critical review. *Science of the Total Environment*, 768, 144856.
<https://doi.org/10.1016/j.scitotenv.2020.144856>
- Carbon, A., Of, M., Shell, C., & From, C. (2018). *SINTESIS KARBON AKTIF DARI ARANG TEMPURUNG KELAPA LIMBAH MESIN BOILER SEBAGAI BAHAN PENYERAP LOGAM Cd, Cu dan Pb ACTIVATED CARBON MADE OF COCONUT SHELL CHARCOAL FROM BOILER*.
- Du, L., Li, Z., Ding, S., Chen, C., Qu, S., Yi, W., Lu, J., & Ding, J. (2019). Synthesis and characterization of carbon-based MgO catalysts for biodiesel production from castor oil. *Fuel*, 258(June), 116122.
<https://doi.org/10.1016/j.fuel.2019.116122>
- Hamza, M., Ayoub, M., Shamsuddin, R. Bin, Mukhtar, A., Saqib, S., Zahid, I., Ameen, M., Ullah, S., Al-Sehemi, A. G., & Ibrahim, M. (2021). A review on the waste biomass derived catalysts for biodiesel production. *Environmental Technology and Innovation*, 21, 101200.
<https://doi.org/10.1016/j.eti.2020.101200>
- Iii, P., & Nabara, A. E. K. (2018). *Penentuan kadar kotoran pada minyak produksi*.
- Jayachandran, M., Kishore Babu, S., Maiyalagan, T., Rajadurai, N., & Vijayakumar, T. (2021). Activated carbon derived from bamboo-leaf with effect of various aqueous electrolytes as electrode material for supercapacitor

- applications. *Materials Letters*, 301(May), 130335.
<https://doi.org/10.1016/j.matlet.2021.130335>
- Jenderal, S. (2007). *Gambaran Sekilas Industri Minyak Kelapa Sawit*.
- Jume, B. H., Gabris, M. A., Rashidi Nodeh, H., Rezania, S., & Cho, J. (2020). Biodiesel production from waste cooking oil using a novel heterogeneous catalyst based on graphene oxide doped metal oxide nanoparticles. *Renewable Energy*, 162, 2182–2189.
<https://doi.org/10.1016/j.renene.2020.10.046>
- Jurnal, Q., Sains, K., Harahap, I. S., Wahyuningsih, P., & Amri, Y. (2020). *ANALISA KANDUNGAN BETA KAROTEN PADA CPO (CRUDE PALM OIL) DI PUSAT PENELITIAN KELAPA SAWIT (PPKS) MEDAN MENGGUNAKAN SPEKTROFOTOMETRI UV-VIS kandungan minyak dalam perikap sekitar 30 % - 40 %. Kelapa sawit menghasilkan dua Konsentrasi beta karoten sampe*. 2(April), 9–13.
- Kaban, G. S., Kimia, D. T., Teknik, F., & Utara, U. S. (2018). *Universitas Sumatera Utara*.
- Khoiruummah, D., Sundari, N., Zamhari, M., & Yuliati, S. (2020). *APLIKASI KATALIS BERBASIS KARBON AKTIF DARI KAYU AKASIA (Acacia mangium) DIIMPREGNASI BASA PADA SINTESIS BIODIESEL APPLICATION OF CATALYST BASED ON ACTIVATED CARBON FROM AKASIA WOOD (Acacia mangium) IMPREGNATED WITH ALKALI IN BIODIESEL SYNTHESIS*. 01(01), 20–28.
- Kimia, I., Fadhillah, N. H. B., & Aziz, I. (2017). *Penggunaan H-Zeolit dan Tawas dalam Pemurnian Crude Glycerol dengan Proses Adsorpsi dan Koagulasi*. 3(06), 35–43.
- Krishnasamy, A., & Bukkarapu, K. R. (2021). A comprehensive review of biodiesel property prediction models for combustion modeling studies. *Fuel*, 302(July), 121085. <https://doi.org/10.1016/j.fuel.2021.121085>
- Mishra, S., Bukkarapu, K. R., & Krishnasamy, A. (2021). A composition based approach to predict density, viscosity and surface tension of biodiesel fuels. *Fuel*, 285(August 2020), 119056. <https://doi.org/10.1016/j.fuel.2020.119056>
- Mujtaba, M. A., Kalam, M. A., Masjuki, H. H., Razzaq, L., Khan, H. M., Soudagar, M. E. M., Gul, M., Ahmed, W., Raju, V. D., Kumar, R., & Ong,

- H. C. (2021). Development of empirical correlations for density and viscosity estimation of ternary biodiesel blends. *Renewable Energy*, 179, 1447–1457. <https://doi.org/10.1016/j.renene.2021.07.121>
- Ningsih, E., Sato, A., Mustikasari, Y. R., Dewi, R. C., Kimia, J. T., Teknologi, I., Tama, A., Industri, J. T., Teknologi, I., & Tama, A. (2017). *RATIO MOLAR MINYAK SAWIT DENGAN ETANOL KONSENTRASI RENDAH DALAM PEMBUATAN BIODIESEL MOLAR RATIO OF PALM OIL WITH LOW CONCENTRATION*. 12(1), 4–6.
- Perhimpunan, K., PertaPerhimpunan, K., Pertanian, T., Pertanian, F. T., Pertanian, J. K., & Pertanian, F. T. (n.d.). No Title.nian, T., Pertanian, F. T., Pertanian, J. K., & Pertanian, F. T. (n.d.). *No Title*.
- Rahardja, I. B., & Ramadhan, A. I. (2019). *Analisis Kalori Biodiesel Crude Palm Oil (CPO) dengan Katalis Abu Tandan Kosong Kelapa Sawit (ATKKS)*. 1–12.
- Salahudin, M. (2016). *No Title*.
- Sankaranarayanan, R., N., R. J. H., J., S. K., & Krolczyk, G. M. (2021). A comprehensive review on research developments of vegetable-oil based cutting fluids for sustainable machining challenges. *Journal of Manufacturing Processes*, 67(May), 286–313. <https://doi.org/10.1016/j.jmapro.2021.05.002>
- Sarin, A., Sharma, N., Devgan, K., & Singh, M. (2020). Study of kinematic viscosity and density of biodiesels exposed to radiations. *Materials Today: Proceedings*, 46(xxxx), 5516–5522. <https://doi.org/10.1016/j.matpr.2020.09.257>
- Sriwijaya, P. N. (2021). *PEMBUATAN KATALIS BERBASIS KARBON AKTIF DARI TEMPURUNG KELAPA (Cocos nucifera) DIIMPREGNASI KOH PADA REAKSI TRANSESTERIFIKASI SINTESIS BIODIESEL CATALYST SHYNTHESES FROM ACTIVATED CARBON OF COCONUT SHELL (Cocos nucifera) IMPREGNATEDPOTASSIUM HYDROXIDE*. 12(01), 23–31.
- Wang, L., Zhao, M., Ma, H., Han, G., Yang, D., Chen, D., Zhang, Y., & Zhou, J. (2020). Extraction of SiO₂ from gasified rice husk carbon simultaneously rice husk activated carbon production: Restudy on product properties,

activation mechanism, and evolution law of pore structure. *Energy Reports*, 6, 3094–3103. <https://doi.org/10.1016/j.egyr.2020.11.031>

Yadav, A., Singh, Y., Singh, S., & Negi, P. (2021). Sustainability of vegetable oil based bio-diesel as dielectric fluid during EDM process - A review. *Materials Today: Proceedings*, 46(xxxx), 11155–11158. <https://doi.org/10.1016/j.matpr.2021.01.967>

Yulva Gemy, Sri Helianty, Y. (Universitas R. K. (2015). *PEMBUATAN BIODIESEL DARI SAWIT OFF GRADE DENGAN MENGGUNAKAN KATALIS ZnO KOMERSIAL PADA PROSES TRANSESTERIFIKASI*. 2, 1–8.

Zailan, Z., Tahir, M., Jusoh, M., & Zakaria, Z. Y. (2021). A review of sulfonic group bearing porous carbon catalyst for biodiesel production. *Renewable Energy*, 175, 430–452. <https://doi.org/10.1016/j.renene.2021.05.030>

