



Laporan Hasil Penelitian

“Pembuatan Biodiesel Dari Minyak Kelapa Sawit Dengan Katalis Basa Heterogen Berbasis Rumput Teki (*Cyperus Rotundus*)”

DAFTAR PUSTAKA

- Agustin, N.C. *et al.* (2022) ‘ Sintesis Biodiesel Minyak Ampas Tahu Terkatalisis Lempung Termodifikasi Kalsium Oksida dengan Pemanasan Microwave’, *Metana: Media Komunikasi Rekayasa Proses dan Teknologi Tepat Guna*, 18(1), pp 14-20. DOI : 10.14710/metana.v18i1.42417
- Aulia, H.N. *et al.* (2022) ‘Pengaruh Ekstrak Daun Bintaro Dan Mangga Terhadap Rumput Teki (*Cyperus rotundus* L.)’, *Jurnal Kehutanan Indonesia*, 3(2), pp. 107–119. Available at: <http://ojs.uho.ac.id/index.php/CELEBICA>.
- Bahar, I. *et al.* (2020) ‘Taming waste : Waste Mangifera indica peel as a sustainable catalyst for biodiesel production at room temperature’, *Renewable Energy*, 161, pp. 207–220. Available at: <https://doi.org/10.1016/j.renene.2020.07.061>.
- Barros, S.D.S. *et al.* (2020) ‘Bioresource Technology Pineapple (*Ananás comosus*) leaves ash as a solid base catalyst for biodiesel synthesis’, *Bioresource Technology*, 312(April), p. 123569. Available at: <https://doi.org/10.1016/j.biortech.2020.123569>.
- Basumatary, B. *et al.* (2021) ‘Waste Musa paradisiaca plant : An ef fi cient heterogeneous base catalyst for fast production of biodiesel’, *Journal of Cleaner Production*, 305, p. 127089. Available at: <https://doi.org/10.1016/j.jclepro.2021.127089>.
- Budiman, A.A. *et al* (2023). 'review Artikel : Produksi Biodiesel Dari Minyak Goreng Bekas Dengan Metode Transesterifikasi Menggunakan Katalis', *UNESA Journal of Chemistry*, 12(2), pp 1-13.
- Darnoko, D. and Cheryan, M. (2000) ‘Kinetics of Palm Oil Transesterification in a Batch Reactor PDF created with FinePrint pdfFactory trial version <http://www.fineprint.com> PDF created with FinePrint pdfFactory trial version <http://www.fineprint.com>’, 12, pp. 1263–1267.
- Dimawarnita, F. *et al.* (2023) 'Karakteristik Sifat Fisika Kimia Biiodiesel Berbasis Minyak Nabati', *warta PPKS*. 28(1), pp 15-26. DOI: <https://doi.org/10.22302/iopri.war.warta.v28i1.98>



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- Erchamo, Y.S. *et al.* (2021) ‘Improved biodiesel production from waste cooking oil with mixed methanol – ethanol using enhanced eggshell - derived CaO nano - catalyst’, *Scientific Reports*, pp. 1–12. Available at: <https://doi.org/10.1038/s41598-021-86062-z>.
- Lee, H.V. *et al.* (2016) ‘Heterogeneous base catalysts for edible palm and non-edible *Jatropha*-based biodiesel production’, pp. 1–9.
- Maroa, S. and Inambao, F. (2021) ‘A review of sustainable biodiesel production using biomass derived heterogeneous catalysts’, (3), pp. 790–824. Available at: <https://doi.org/10.1002/elsc.202100025>.
- Murti, G.W. *et al.* (2015) ‘Optimasi Proses Produksi Biodiesel Dari Minyak Kelapa Sawit dan Jarak Pagar Dengan Menggunakan Katalis Heterogen Kalsium Oksida’, *Jurnal Energi Dan Lingkungan*, 11(2), pp 91-100
- Muthoharoh, H. (2019) ‘ANALISIS KADAR FLAVONOID TOTAL EKSTRAK UMBI RUMPUT TEKI (*Cyperus Rotundus* L.)’, *J-HESTECH (Journal Of Health Educational Science And Technology)*, 2(2), p. 127. Available at: <https://doi.org/10.25139/htc.v2i2.2075>.
- Oko, S. *et al.* (2021) ‘sintesis Biodiesel Dari Minyak Kedelai Melalui Reaksi Transesterifikasi Dengan Katalis Cao/Naoh’, *Jurnal Teknologi*, 13 (1), pp 1-6. DOI: <https://dx.doi.org/10.24853/jurtek.13.1.1-6>
- Oloyede, C.T. and Jekayinfa, S.O. (2023) ‘Exploration of agricultural residue ash as a solid green heterogeneous base catalyst for biodiesel production’, (June 2022), pp. 1–23. Available at: <https://doi.org/10.1002/eng2.12585>.
- Puri, L. *et al.* (2024) ‘Critical review of the role of ash content and composition in biomass pyrolysis’, (March), pp. 1–19. Available at: <https://doi.org/10.3389/ffuel.2024.1378361>.
- Rahayu and Mardiyanto, S. (2019) ‘Gulma Teki-Tekian Di Kebun Kelapa Sawit Desa Makmur Jaya, Tikke Raya, Kabupaten Pasangkayu Sedges in Oil Palm Plantation of Makmur Jaya Village, Tikke Raya, Pasangkayu Regency’, *Jurnal Agrotech*, 9(02), pp. 56–59. Available at: <https://doi.org/10.31970/agrotech.v9i2.34>.
- Ruhaiya, F. *et al.* (2020) ‘JURNAL REVIEW : Transesterifikasi Minyak Kelapa Sawit
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- Pada Produksi Biodiesel Dengan Katalis Heterogen Cao’, 15(30), pp. 23–29.
- Sao, V. *et al.* (2007) ‘Cadmium accumulation by *Axonopus compressus* (Sw.) P. Beauv and *Cyperus rotundus* Linn growing in cadmium solution and cadmium-zinc contaminated soil’, *Songklanakarin Journal of Science and Technology*, 29(3), pp. 881–892.
- Sundaryono, A.(2011). 'karakteristik Biodiesel Dan Blending Biodiesel Dari Oil Losses Limbah Cair Pabrik Minyak Kelapa Sawit', *Jurnal Teknik Industri Pertanian*, 21(1), pp 34-40.
- Tania, A.D. *et al.* (2021) ‘IDENTIFICATION OF CHEMICAL COMPOUND IN NUT GRASS (*Cyperus rotundus* L.) TUBER N-HEXANE EXTRACT BY GC-MS ANALYSIS’, *Pharmacon*, 10(3), pp. 975–985. Available at: <https://ejournal.unsrat.ac.id/index.php/pharmacon/article/download/35600/33323>.
- Tarigan, J.B. (2023) ‘Utilization of waste banana peels as heterogeneous catalysts in room-temperature biodiesel production using a homogenizer †’, pp. 6217–6224. Available at: <https://doi.org/10.1039/d3ra00016h>.
- Tsai, C.H. and Tsai, W.T. (2024) ‘Sustainable Processes Reusing Biomass Potassium-Rich Ash as a Green Catalyst for Biodiesel Production : Sustainable Processes Reusing Biomass Potassium-Rich Ash as a Green Catalyst for Biodiesel Production : A Mini-Review’. Available at: <https://doi.org/10.20944/preprints202410.1791.v1>.
- Tustiyani, I. *et al.* (2019) ‘Identifikasi keanekaragaman dan dominansi gulma pada lahan pertanaman jeruk (*Citrus* sp.)’, *Kultivasi*, 18(1), pp. 779–783. Available at: <https://doi.org/10.24198/kultivasi.v18i1.18933>.
- Ulukardesler, A.H. (2023) ‘Biodiesel Production from Waste Cooking Oil Using Different’.
- Wahyudin (2018) ‘Tinjauan Perkembangan Proses Katalitik Heterogen dan Non-Katalitik untuk Produksi Biodiesel’, *Jurnal Keteknikan Pertanian*, 6(2).
- Yaghi, M. *et al.* (2025) ‘An Overview of Biodiesel Production via Heterogeneous Catalysts : Synthesis , Current Advances , and Challenges’, pp. 1–55.
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