

DAFTAR PUSTAKA

- 14044, I. (2006), "ISO 14044 - *Environmental Management - Life Cycle Assessment - Principles, frameworks and guidelines*," *International Organization for Standardization*, ISO 14040, hlm. 57.
- Ahmad, A., Idral Amri dan Wida Sri Wani (2020), "Pengaruh *Pretreatment* pada Fermentasi Bioetanol Generasi Kedua dari Serat Buah Kelapa Sawit," *Journal of Bioprocess, Chemical and Environmental Engineering Science*, 1(1) hlm. 28–38. Tersedia pada: <https://doi.org/10.31258/jbchees.1.1.28-38>.
- Alpandari, H. dan Prakoso, T. (2021), "*Palm Oil Mill Waste Return Measures as an Effort to Maximize Zero waste*," *Journal of Agribusiness and Agrotechnology*, 2(2) hlm. 48–58.
- Anyaocha, K.E. dan Zhang, L. (2023), "*Technology-based comparative Life Cycle Assessment for palm oil industry: the case of Nigeria*," *Environment, Development and Sustainability*, 25(5) hlm. 4575–4595. Tersedia pada: <https://doi.org/10.1007/s10668-022-02215-8>.
- Asadullah, dan Azdarpour, A. (2014), "*Life cycle Energy balance analysis for producer gas production from bio-oil for power generation*," *Energy Procedia. Elsevier Ltd*, hlm. 2814–2817. Tersedia pada: <https://doi.org/10.1016/j.egypro.2014.12.288>.
- Azis, R.A. (2020), "Analisis Dampak Lingkungan Produksi Kayu Lapis Dengan Metode *Life Cycle Assessment* (Studi Kasus PT. Sengon Kondang Nusantara)," hlm. 41.
- Bwalya, J.M. (2012), *Estimation Of Net Carbon Sequestration Potential Of Citrus Under Different Management Systems Using The Life Cycle Approach*.
- Cheah, W.Y. dkk. (2023), "*Circular bioeconomy in palm oil industry: Current practices and future perspectives*," *Environmental Technology and Innovation*, 30. Tersedia pada: <https://doi.org/10.1016/j.eti.2023.103050>.
- Ciptomulyono, U. dan Dewi Hajar, D. (2018), *Pemilihan Alternatif Perbaikan Kinerja Lingkungan Produk Lampu Berbasis Simapro-5 Dengan Metoda*

Life Cycle Assessment (Lca) Dan Analytical Hierarchy Proces (Ahp) Selection Of Environmental Performance Improvement Alternatives Of Lamp Products Based On Simapro-5 Using Life Cycle Assessment (Lca) And Analytical Hierarchy Proces (Ahp) Methods.

- Dewi dkk (2022), “Pemanfaatan Biomassa Padat Kelapa Sawit Sebagai Energi Baru Terbarukan DI PLTU Pabrik Kelapa Sawit PT. Perkebunan Nusantara VI Unit Usaha Bunut,” *Journal of Electrical Power Control and Automation (JEPCA)* 5(1) hlm. 17. Tersedia pada: <https://doi.org/10.33087/jepca.v5i1.71>.
- Dino Erivianto, Dan Ahmad Dhani. (2022), “Pengolahan Biomassa Tandan Kosong Kelapa Sawit Sebagai Bahan Bakar Pembangkit Listrik Tenaga Uap,” 10(1) hlm. 1–52. Tersedia pada: <https://doi.org/10.21608/pshj.2022.250026>.
- Gani, A. dkk. (2024), “Comparative analysis of HHV and LHV values of biocoke fuel from palm oil mill solid waste,” *Case Studies in Chemical and Environmental Engineering*, 9. Tersedia pada: <https://doi.org/10.1016/j.cscee.2023.100581>.
- Havrysh, V. dkk. (2021), “Life cycle Energy consumption and carbon dioxide emissions of agricultural residue feedstock for bioEnergy,” *Applied Sciences (Switzerland)* 11(5) hlm. 1–18. Tersedia pada: <https://doi.org/10.3390/app11052009>.
- Heryadi, E. dkk. (2021), “Potensi Biogas Dan Energi Dari Limbah Padat (Tandan Kosong Kelapa Sawit (Tkks) Serat Mesocarp Dan Lumpur Decanter) Industri Kelapa Sawit Di Kalimantan Timur Biogas and BioEnergy Potential From Solid Wastes (Empty Fruit Bunch, Mesocarp Fiber, and Decanter,” *Jurnal Riset Teknologi Industri*, 15(2) hlm. 487–497.
- Hikmawan dkk, (2020), “Pemanfaatan Cangkang Dan Serat Kelapa Sawit Sebagai Bahan Bakar Boiler,” *Jurnal Teknik dan Teknologi*, hlm. 18–26.
- Huijbregts dkk (2016), “ReCiPe 2016 A harmonized Life Cycle Impact Assessment method at Midpoint and endpoint level Report I: Characterization.”
- Imam Arifandy dkk (2021), “Potensi Limbah Padat Kelapa Sawit Sebagai Sumber Energi Terbarukan Dalam Implementasi Indonesian Sustainability Palm

- Oil PKS Sungai Galuh,” *Jurnal Sains, Teknologi dan Industri*, 19(1) hlm. 116–122.
- Kayati, F.N. dkk. (2016), “Studi Kinetika Hidrolisis Tandan Kosong Kelapa Sawit (TKKS) Dengan Proses Fermentasi Padat Menggunakan Jamur *Aspergillus niger*,” *Reaktor*, 16(1) hlm. 1–8. Tersedia pada: <https://doi.org/10.14710/reaktor.16.1.1-8>.
- Khairul, M. dkk. (2019), “Bio-Methane from Palm Oil Mill Effluent (POME) : Transportation Fuel Potential in Malaysia,” *Journal of Advanced Research in Fluid Mechanics and Thermal Sciences Journal homepage*, 63, hlm. 1–11.
- Maisarah, M. dan Dian, R. (2024), “Metode *Life Cycle Assessment* (LCA) Dalam Penilaian Dampak Lingkungan Industri Kelapa Sawit Untuk Kelapa Sawit Berkelanjutan,” *Tabela Jurnal Pertanian Berkelanjutan*, 2(1) hlm. 15–23. Tersedia pada: <https://doi.org/10.56211/tabela.v2i1.452>.
- Nabila, R. dkk. (2023), “Oil palm biomass in Indonesia: Thermochemical upgrading and its utilization,” *Renewable and Sustainable Energy Reviews*. Elsevier Ltd. Tersedia pada: <https://doi.org/10.1016/j.rser.2023.113193>.
- Novia Yanti, R. dan Hutasuhut, I.L. (2020), “Potensi Limbah Padat Perkebunan Kelapa Sawit Di Provinsi Riau,” *Wahana Forestra: Jurnal Kehutanan*, 15(2) hlm. 1–11. Tersedia pada: <https://doi.org/10.31849/forestra.v15i2.4696>.
- Nurrahmah dkk (2023), “Pengembangan Lembar Kerja Peserta Didik (LKPD) Berbasis *Green Chemistry* pada Praktikum Laju Reaksi di Laboratorium SMA,” *Jurnal Pendidikan Kimia Undiksha*, 7(1) hlm. 33–40. Tersedia pada: <https://doi.org/10.23887/jipk.v7i1.59083>.
- Peng, P. dan Zhou, W. (2014), “The Next Generation Feedstock of Biofuel: *Jatropha* or *Chlorella* as Assessed by Their Life-Cycle Inventories,” *Agriculture (Switzerland)* 4(3) hlm. 217–230. Tersedia pada: <https://doi.org/10.3390/agriculture4030217>.
- Rambe, S.M. (2016) “Bioreaktor Intermediate Proses Pada Pra Pembuatan.”

- Razman, K.K. dkk. (2022), “*Life Cycle Assessment of an Integrated Membrane Treatment System of Anaerobic-Treated Palm Oil Mill Effluent (POME),” Membranes*, 12(2). Tersedia pada: <https://doi.org/10.3390/membranes12020246>.
- Sagala dkk (2023), “Potensi Energi Terbarukan dari Pemanfaatan Energi Biogas POME (*Palm Oil Mill Effluent*) sebagai Sumber Energi Terbarukan di Provinsi Jambi,” *Jurnal Ilmu Lingkungan*, 22(1) hlm. 205–214. Tersedia pada: <https://doi.org/10.14710/jil.22.1.205-214>.
- Sonia, R. dan Purwaningsih, R. (2024), “Desain Peningkatan *Eco-Efficiency* Produk Jenang Pada UMKM Jenang Kudus Rizqina dengan Menggunakan Pendekatan *Life Cycle Assessment* (LCA),” *Industrial Engineering Online Journal*, 13(1) hlm. 4.
- Statistik, B.P. (2022) *statistik kelapa sawit indonesia*, Badan Pusat Statistik/BPS–*Statistics Indonesia*.
- Supriatna, J. dkk. (2022), “Composting for a More Sustainable Palm Oil Waste Management: A Systematic Literature Review,” *Scientific World Journal*. Hindawi Limited. Tersedia pada: <https://doi.org/10.1155/2022/5073059>.
- Susanto, J.P., Santoso, A.D. dan Suwedi, N. (2017), “Perhitungan Potensi Limbah Padat Kelapa Sawit untuk Sumber Energi Terbaharukan dengan Metode LCA,” *Jurnal Teknologi Lingkungan*, 18(2) hlm. 165. Tersedia pada: <https://doi.org/10.29122/jtl.v18i2.2046>.
- Usman, A. dkk. (2025), “Renewable Energy from Various Oil Palm Varieties in Penajam Paser Utara, Indonesia,” *Jurnal Keteknik Pertanian*, 13(2) hlm. 284–301. Tersedia pada: <https://doi.org/10.19028/jtep.013.2.284-301>.
- Wahyono, Y. dkk. (2020), “Assessing the environmental performance of palm oil biodiesel production in indonesia: *A Life Cycle Assessment approach*,” *Energies*, 13(12). Tersedia pada: <https://doi.org/10.3390/en13123248>.
- Wati, D.S., Nursilawati, N. dan Purwita, R. (2024) “*Literature Review*:

Pengembangan Potensi Limbah Kelapa Sawit Sebagai Sumber Energi Terbarukan Dengan Proses Hidrolisis Guna Menyongsong Indonesia Emas 2045,” *CHEDS: Journal of Chemistry, Education, and Science*, 8(2) hlm. 197–202. Tersedia pada: <https://doi.org/10.30743/cheds.v8i2.10053>.

Yoricya, G. dkk. (2016), “Kelapa Sawit dalam Sistem Cairan Ionik,” *Jurnal Teknik Kimia*, 5(1) hlm. 1–7.



(halaman ini sengaja dikosongkan)

