

DAFTAR PUSTAKA

- AGRONET. (2018). *Jalan Panjang Perkembangan Buah Apel di Indonesia*. Agronet.Co.Id. <https://www.agronet.co.id/detail/indeks/info-agro/2933-Jalan-Panjang-Perkembangan-Buah-Apel-di-Indonesia>
- Agung Dwi Sakti. (2024). *Standar Internasional ISO 14040/44 untuk Life Cycle Assessment (LCA)*. Environment Indonesia Center PT. Sinergi Solusi Indonesia. <https://environment-indonesia.com/standar-internasional-iso-14040-44-untuk-life-cycle-assessment-lca/#:~:text=Standar ini membantu organisasi dalam,ramah lingkungan untuk masa depan>.
- Apel Anna*. (n.d.). PT. Saudagar Muda Nusantara. Retrieved February 6, 2025, from <https://bit.ly/4aNOCQK>
- Azis, R. A. (2020). *Analisis Dampak Lingkungan Produksi Kayu Lapis Dengan Metode Life Cycle Assessment (Studi Kasus PT. Sengon Kondang Nusantara)*. 41.
- Bodoga, A., Nistorac, A., Loghin, M. C., & Isopescu, D. N. (2024). Environmental Impact of Footwear Using Life Cycle Assessment—Case Study of Professional Footwear. *Sustainability (Switzerland)*, 16(14), 1–14. <https://doi.org/10.3390/su16146094>
- Chen, X., Matthews, H.S., Griffin, W. M. (2021). Uncertainty caused by life cycle impact assessment methods: case studies in process-based LCI databases. *Resour. Conserv. Recycl.*, 172.
- Datta, S., Mitra, M., & Roy, S. (2024). Sustainable Solid Waste Disposal to Mitigate Water Pollution Problem and Its Social Environmental Impact. *Cham: Springer Nature Switzerland.*, 47–65. https://link.springer.com/chapter/10.1007/978-3-031-58253-0_3
- Ecochain. (2024). *Impact Categories (LCA) – The complete overview*. Ecochain Technologies. <https://ecochain.com/blog/impact-categories-lca/>
- GB/T 24040-2008 English PDF (GB/T 24040-1999)*. (2025). Chinesestandard.Net.

- <https://www.chinesestandard.net/PDF/English.aspx/GBT24040-2008>
- Goedkoop, M., & Spriensma, R. (2001). The eco-indicator 99: a damage oriented method for life cycle impact assessment, Methodology annex. https://www.pre-sustainability.com/download/EI99_annexe_v3.pdf; *Pre Consultants*, 1-83 [accessed 17.01.15]. <http://ci.nii.ac.jp/naid/10014712580/en/>
- Gong, C., Lyu, F., & Wang, Y. (2023). Spatiotemporal change and drivers of ecosystem quality in the Loess Plateau based on RSEI: A case study of Shanxi, China. *Ecological Indicators*, 115. <https://doi.org/https://doi.org/10.1016/j.ecolind.2023.111060>
- IKHSAN KURNIA AWWAL. (2023). PEMANFAATAN Lactobacillus plantarum DALAM PEMBUATAN MINUMAN PROBIOTIK SARI BUAH APEL ANNA DENGAN PERBANDINGAN PENAMBAHAN SUKROSA DAN LAMA FERMENTASI. In *Etheses of Maulana Malik Ibrahim State Islamic University* (Vol. 13, Issue 1). Maulana Malik Ibrahim State Islamic University.
- Kementerian Lingkungan Hidup (KLH) Republik Indonesia. (2023). Panduan Produksi Bersih dan Sistem Manajemen Lingkungan untuk Usaha/ Industri Kecil dan Menengah, Jakarta. In *Panduan Produksi Bersih dan Sistem Manajemen Lingkungan untuk Usaha/ Industri Kecil dan Menengah*, Jakarta.
- Latifah, S. W. (2017). Triple Bottom Line Terhadap Nilai Perusahaan, Gross Profit Margin Sebagai Indikator Ekonomi. *EKUITAS (Jurnal Ekonomi Dan Keuangan*, 4, 544–563. <https://doi.org/https://doi.org/10.24034/j25485024.y2020.v4.i4.4249>
- Le Féon, S., Benezech, T., Yannou-Le Bris, G., Aubin, J., Sampers, I., Herreman, D., & Pénicaud, C. (2023). Life cycle assessment of a small-scale and low-input organic apple value chain including fresh fruit, juice and applesauce. *Cleaner Environmental Systems*, 11(April). <https://doi.org/10.1016/j.cesys.2023.100141>
- Luo, Y., & Su, R. (2024). Environmental Impact of Waste Treatment and Synchronous Hydrogen Production: Based on Life Cycle Assessment Method.

Toxics, 12(9), 652. <https://doi.org/10.3390/toxics12090652>

Maisarah, M., & 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), 15–23. <https://doi.org/10.56211/tabela.v2i1.452>

Martín, M. (Ed. . (2021). Sustainable Design for Renewable Processes: Principles and Case Studies. *Elsevier Science: Amsterdam, The Netherlands*, 626, 102–115.

Martini, N. (2021). Apple cider vinegar. *Journal of Primary Health Care*, 13, 191–192.

Milà I Canals, L., Bauer, C., Depéstele, J., Dubreuil, A., Knuchel, R. F., Gaillard, G., Michelsen, O., Müller-Wenk, R., & Rydgren, B. (2007). Key elements in a framework for land use impact assessment within LCA. *International Journal of Life Cycle Assessment*, 12(1), 5–15. <https://doi.org/10.1065/lca2006.05.250>

Panduyasa, I. G., Yuliana, E. D., & Sudiartawan, I. P. (2024). *PENGOLAHAN BUAH APEL DI KUSUMA INDUSTRI AGROWISATA KOTA BATU , PROVINSI JAWA TIMUR APPLE PROCESSING IN KUSUMA INDUSTRY AGROWISM , BATU CITY , EAST JAVA PROVINCE*. 15.

Paperpile. (2024). *Type of Research Papers*. Paperpile LLcC. <https://paperpile.com/g/types-of-research-papers/#analytical-research-paper>

Patel, K., & Singh, S. K. (2024). Sustainable waste management: a comprehensive life cycle assessment of bioethanol production from agricultural and municipal waste. *Environmental Science and Pollution Research*, 31(39), 51431–51446. <https://doi.org/10.1007/s11356-024-34612-z>

Peraturan Menteri PU Nomor 3/PRT/M/ 2013. (2013). Penyelenggaraan Prasarana dan Sarana Persampahan dalam Penanganan Sampah Rumah Tangga dan Sampah Sejenis Sampah Rumah Tangga. *Permen PU Nomor 3/PRT/M/ 2013, Nomor 65(879)*, 2004–2006.

<https://peraturan.bpk.go.id/Home/Details/144707/permendagri-no-03-prtm-2013-tahun-2013>

PRé Sustainability. (2024). *Interpretation of metrics: DALYs and damage to human health.* PRé Sustainability B.V. All Rights Reserved. <https://pre-sustainability.com/articles/metrics-interpretation-daly-and-damage-to-human-health/#:~:text=As%20a%20result%2C%20the%20different,%20more%20important%20choices.>

Puspitasari, & Juliati. (2022). RANCANG BANGUN FERMENTOR PADA LABORATORIUM BIOPROSES. *Prosiding 6th Seminar Nasional Penelitian & Pengabdian Kepada Masyarakat*, 6(1), 75–79.

Rasyid, M., & Anggriani, R. (2024). Penerapan Life Cycle Assessment (LCA) Pada Proses Produksi Minyak Kayu Putih Di Desa Sawa-Namlea. *INNOVATIVE: Journal Of Social Science Research*, 4, 18970–18984.

SOEDJATMIKO, S., TJAHHADI, B., & SOEWARNO, N. (2021). Do Environmental Performance and Environmental Management Have a Direct Effect on Firm Value? *Journal of Asian Finance, Economics and Business*, 8(1), 687–696. <https://doi.org/10.13106/jafeb.2021.vol8.no1.687>

Stephan, A., Crawford, R.H., Bontinck, P.A. (2019). A model for streamlining and automating path exchange hybrid life cycle assessment. *Int. J. Life Cycle Assess*, 24, 237–252.

Tazkia Farida. (2023). FENOMENA PERALIHAN USAHATANI APEL KE KOMODITAS LAIN DI KECAMATAN BUMIAJI KOTA BATU. *SEAGRI (Jurnal Sosial Ekonomi Pertanian Dan Agribisnis)*, 1(12), 2439–2450. <https://jim.unisma.ac.id/index.php/SEAGRI/article/view/20860/15541>

ULYA, I. H. (2023). ANALISIS KANDUNGAN CUKA APEL MANALAGI (*Malus sylvestris* Mill.) DENGAN LAMA FERMENTASI BERBEDA. In *Etheses of Maulana Malik Ibrahim State Islamic University*. Maulana Malik Ibrahim State Islamic University.

Weston, N. C., & Stuckey, D. C. (1994). Cleaner technologies and the UK chemical

industry. *Process Safety and Environmental Protection*, 72, 91–101.

Zhao, X., & You, F. (2022). Life Cycle Assessment of Microplastics Reveals Their Greater Environmental Hazards than Mismanaged Polymer Waste Losses. *Environmental Science and Technology*, 56(16), 11780–11797.
<https://doi.org/10.1021/acs.est.2c01549>