

DAFTAR PUSTAKA

- Aries, R. S., & Newton, R. D. (1955). *CHEMICAL ENGINEERING COST ESTIMATION*. McGRAW-HILL BOOK COMPANY, INC.
- Badan Nasional Penanggulangan Bencana. (2025). *Indeks Risiko Bencana Indonesia Tahun 2024* (Vol. 03).
- Crane, R. A., Brown, S. H., & Caul, L. D. (1999). Ethylacetate Synthesis From Ethylene and Acetic Acid Using Solid Acid Catalysts. *Catalysis*, 19, 7–9.
- Fasel, H., Gru, M., & Riese, J. (2020). *New Column Design to Enhance Flexibility : Concept for Hydrodynamic Characterization*. 12, 2035–2040. <https://doi.org/10.1002/cite.202000055>
- Group, B. (2020). *14. Failure Mode and Effects Analysis*.
- Haq, I. S., Darma, A. Y., & Batubara, R. A. (2021). *Penggunaan Metode Failure Mode and Effect Analysis (FMEA) dalam Identifikasi Kegagalan Mesin untuk Dasar Penentuan Tindakan Perawatan di Pabrik Kelapa Sawit Libo*. 3(1).
- Ifes. (2025). *Ini Strategi Kemenperin dan Industri untuk Kurangi Ketergantungan Impor Sektor Kimia*. <https://fiki.id/2025/11/18/ini-strategi-kemenperin-dan-industri-untuk-kurangi-ketergantungan-impor-sektor-kimia/>
- Kementrian Lingkungan Hidup dan Kehutanan. (2021). *Pedoman Penyusunan Laporan Penilaian Daur Hidup (LCA)*.
- Kern, D. Q. (1983). *PROCESS HEAT*.
- Lee, H. Y., Huang, H. P., & Chien, I. L. (2007). Control of reactive Distillation Process for Production of Ethyl Acetate. *Journal of Process Control*, 17(4), 363–377. <https://doi.org/10.1016/j.jprocont.2006.10.002>
- Lestari, A. (2025). Life Cycle Assesment Produksi Biofuel Biji Karet dengan Metode Pirolisis. *Jurnal Energi Baru & Terbarukan*, 6(2), 1–12. <https://doi.org/10.14710/jebt.2025.2681>
- Mailani, D. P., & Pratiwi, N. (2019). Pra Rancangan Pabrik Etil Asetat Dari Asam Asetat Dan Etanol Dengan Proses Esterifikasi Menggunakan Katalis Amberlyst-15 Kapasitas 57.000 Ton/Tahun. *Jurnal Tugas Akhir Teknik Kimia*, 4(2), 73–77.
- Maisarah, & Dian, R. (2023). *Penggunaan Metode Life Cycle Assessment (LCA) Sebagai*

- Pendukung Pengambilan Keputusan Dampak Lingkungan Pada Industri Kelapa Sawit. *Jurnal Ilmiah Betahpa*, 02(02).
- MSDS. (2024). *Water deionized*. 2024(1272), 1–9.
- Peters, M. S., & Timmerhaus, K. D. (1991). *PLANT DESIGN AND ECONOMICS FOR CHEMICAL ENGINEERS* (4th ed.).
- Sakhre, V. (2019). *Reactive Distillation: Modeling, Simulation, and Optimization* (V. Steffen (ed.)). IntechOpen. <https://doi.org/10.5772/intechopen.85433>
- Senseney, C. T., Harvey, J., Butt, A. A., & Meijer, J. (2023). Recommendations for cradle-to-gate environmental product declarations (EPD) in “Buy Clean” procurement based on CDOT’ s experience. *Environmental Research: Infrastructure and Sustainability*, 3(3), 035004.
- Smith, J. M., Van Ness, H. C., & Abbot, M. M. (2001). *INTRODUCTION TO Sixth Edition in SI Units*.
- Sonnemans, M. H. W. (1993). Hydration of propene over acidic zeolites. *Applied Catalysis A: General*, 94, 94, 215–229.
- Subagiyo, D. T., Wulandari, S., & Salviana, F. M. (2017). *Hukum Perusahaan*.
- U.S. Department of Agriculture. (2014). *Isopropanol*.
- Ulrich, G. D. (1984). *A Guide to Chemical Engineering Process Design and Economics*. Wiley. <https://books.google.co.id/books?id=pdVTAAAAMAAJ>
- Vaccari, M., Baglioni, F., Zandó, L., & Tognotti, L. (2025). *Simulation and Analysis of a Novel Isopropanol and Acetone Production via Propylene*. 117(December 2024), 1069–1074. <https://doi.org/10.3303/CET25117179>
- Vijayaragavan, B., Asok, S. P., Ramalekshmi, C., & Ganesh, S. (2023). *HEAT TRANSFER CHARACTERISTICS OF DOUBLE PIPE HEAT EXCHANGER HAVING EXTERNALLY ENHANCED INNER PIPE*. 63(1), 65–74.
- Walas, S. M. (2005). *Chemical Process Equipment: Selection and Design*.
- Yaws, C. L. (1999). *Chemical Properties Handbook*.