

DAFTAR PUSTAKA

- Ade Nahdiatul Hasanah (2025) “Analisa Keuangan dan Industri Perusahaan Barang Baku Kimia Indonesia,” *Journal Intelektual*, 4(1), pp. 1–11. Available at: <https://doi.org/10.61635/jin.v4i1.200>.
- Azis, H. and Hafiz, M.S. (2025) “Hilirisasi Komoditi Mineral: Studi Kasus Nikel di Indonesia Chrissostomus Sitohang Politeknik APP Jakarta Politeknik APP Jakarta,” *Jurnal Ilmiah Ekonomi Dan Manajemen*, 3(2), pp. 1–12.
- “Balchem NV” (2020) *Balchem NV*, 21(1), pp. 21–22. Available at: <https://doi.org/10.1080/09613219308727250>.
- Carrá, S. dkk. (1979) “Synthesis of propylene oxide from propylene chlorohydrins- I. Kinetic aspects of the process,” *Chemical Engineering Science*, 34(9), pp. 1123–1132. Available at: [https://doi.org/10.1016/0009-2509\(79\)85018-6](https://doi.org/10.1016/0009-2509(79)85018-6).
- Economics, I. and Timur, J. (2025) “Imports of Raw Materials , Spillover of Foreign Investment and Technical Efficiency of Indonesia ’ s Manufacturing Industry Exports (Impor Bahan Baku , Limpahan Investasi Asing , dan Efisiensi Teknis Ekspor Industri Manufaktur Indonesia),” 12(2), pp. 150–164.
- EPA (2015) “The Presidential Green Chemistry Challenge.”
- Gao, G. dkk. (2023) “Development and application of slurry-bed production technology of hydrogen peroxide by anthraquinone auto-oxidation process,” *Results in Engineering*, 19(June), p. 101268. Available at: <https://doi.org/10.1016/j.rineng.2023.101268>.
- Hurairah, A.N.A. dkk. (2024) “Improving Energy Efficiency with Energy Recovery for Propylene Production,” *Journal of Chemical Engineering Research Progress*, 1(2), pp. 264–272. Available at: <https://doi.org/10.9767/jcerp.20300>.
- Indri, A.I., Sulisman, A.N. and Tarigan, S.R.D.B. (2023) “JIMMA : Jurnal Ilmiah Manajemen Muhammadiyah Aceh Program Studi Manajemen Fakultas Ekonomi Universitas Muhammadiyah Aceh Volume 13 , Nomor 2 , Desember 2023,” *Jurnal Ilmiah Manajemen Muhammadiyah Aceh*, 13(2), pp. 85–183.

- Kim, K.H. *dkk.* (2025) "Self-driven propylene epoxidation on modified titanium silicalite-1 by in situ generated hydrogen peroxide," *Nature Communications*, 16(1), pp. 1–12. Available at: <https://doi.org/10.1038/s41467-025-63828-x>.
- Kirk, R.E. and Othmer, D.F. (2000) "Encyclopedia of Chemical Technology vol. 1 4th ed.," pp. 1–559.
- Lee, E.G. *dkk.* (2024) "Synthesis of Polyether, Poly(Ether Carbonate) and Poly(Ether Ester) Polyols Using Double Metal Cyanide Catalysts Bearing Organophosphorus Complexing Agents," *Polymers*, 16(6). Available at: <https://doi.org/10.3390/polym16060818>.
- Lu, X. *dkk.* (2016) "Selective synthesis of propylene oxide through liquid-phase epoxidation of propylene with H₂O₂ over formed Ti-MWW catalyst," *Journal of Catalysis*, 342, pp. 173–183. Available at: <https://doi.org/10.1016/j.jcat.2016.07.020>.
- Pratama, F.W. *dkk.* (2025) "Optimization and Modification of the Hydrogen Peroxide to Propylene Oxide (HPPO) Process," *Journal of Chemical Engineering Research Progress*, 2(2), pp. 205–209. Available at: <https://doi.org/10.9767/jcerp.20419>.
- Radatz, H. *dkk.* (2019) "Comparison of capacity expansion strategies for chemical production plants," *Chemical Engineering Research and Design*, 143, pp. 56–78. Available at: <https://doi.org/10.1016/j.cherd.2018.12.018>.
- Rafidanta, N.C. and Lusiani, C.E. (2023) "Penentuan Lokasi Pabrik Menggunakan Metode Factor Rating Pada Pra-Rancangan Pabrik Virgin Coconut Oil (Vco) Dengan Kapasitas 50.000 Ton/Tahun," *DISTILAT: Jurnal Teknologi Separasi*, 7(2), pp. 655–663. Available at: <https://doi.org/10.33795/distilat.v7i2.263>.
- Rani, S. *dkk.* (2017) "Estimating compound growth rate, instability index and annual fluctuation of cotton in Pakistan," *Asian Journal of Agriculture and Rural Development*, 7(4), pp. 86–91. Available at: <https://doi.org/10.18488/journal.1005/2017.7.4/1005.4.86.91>.
- Richardson's, C.& (2005) "Copy of Coulson & Richardson's Chemical Engineering Design #6, 4th edition (2).pdf," 6.

- Safety, M. and Sheet, D. (2012) "HYDROGEN PEROXIDE 50 % HYDROGEN PEROXIDE 50 %," 06(July), pp. 1–9.
- Schmidt, F. dkk. (2014) "The HPPO process - A novel route to propylene oxide," *DGMK Tagungsbericht*, 2014(3), pp. 243–244.
- Schwan, J. dkk. (2025) "Rethinking Chlorine: Essential Chemical or Replaceable Risk?," *ChemSusChem*, 18(13). Available at: <https://doi.org/10.1002/cssc.202402697>.
- Tepzz, T. (2016) "Tepzz 855559b_t (11)," 1(19), pp. 1–11.
- Use, R. dkk. (2024) "SAFETY DATA SHEET (SDS)," Im, pp. 1–7.
- W. M. Haynes, P.. (210AD) *CRC Handbook of Chemistry and Physics - 97th Edition (2016).pdf*.
- Wu, G. dkk. (2013) "Epoxidation of propylene with H₂O₂ catalyzed by supported TS-1 catalyst in a fixed-bed reactor: Experiments and kinetics," *Chemical Engineering Journal*, 215–216, pp. 306–314. Available at: <https://doi.org/10.1016/j.cej.2012.11.055>.



