

DAFTAR PUSTAKA

- Aspen HYSYS. (2025). *Data perhitungan termodinamika pada 573 K*.
- Ayaou, B., Bodson, A., Dehottay, L., Farai, R., Farcy, A., Hendrickx, D., Liégeois, T., Pastuszenko, J., Paulissen, S., & Rappazzo, J. (2020). *Ethanol production by catalytic hydration of ethylene*. Integrated Project 2019–2020.
- Coulson, J.M., & Richardson, J.F. (1983). *Chemical Engineering Design* (Vol. 6). Oxford: Pergamon Press.
- Ethanol Industry Outlook. (2023). *Kapasitas produksi pabrik etanol dunia*. Renewable Fuels Association.
- James G. Speight. (2002). *The Chemistry and Technology of Petroleum* (4th ed.). Marcel Dekker Inc.
- Kirk R.E. and Othmer, D.F., 1993, “*Encyclopedia of Chemical Technology* “, vol.6, fourth edition, A Willey Interscience Publication, John Wiley and Sons Co., New York.
- Levenspiel, Octave. (1973). *Chemical Reaction Engineering, 2nd Edition*. New York: John Wiley & Sons, Inc.
- Mc Cabe, Warren L & Smith, J. C. 1999. *Operasi Teknik Kimia*. Alih Bahasa Jasiji. E. Ir. Edisi ke-4. Penerbit Erlangga. Jakarta.
- Mc Shane, S. L., & Von Glinow, M. A. (2002). *Organizational Behaviour: Emerging WKnowledge, Global Reality* (9th ed.). McGraw-Hill International.
- Niven, R. K. (2005). *Ethanol in gasoline: environmental impacts and sustainability review article*. Renewable and sustainable energy reviews, 9(6), 535-555.
- NIST Chemistry WebBook. (2025). *Data termodinamika etilena, air, etanol*.
- Othmer, K. (1984). *Encyclopedia of chemical technology, vol. 1, 4th edition*. In Microchemical Journal (Vol. 1, Issue 3, pp. 401-402).
[https://doi.org/10.1016/0026-265x\(84\)90127-9](https://doi.org/10.1016/0026-265x(84)90127-9)
- Perry, R. H., and Green, D. W. (2008). *Perry's Chemical Engineers, 7th ed*. McGraw Hill Companies Inc. USA.

Pubchem. (2025). *Compound Summary*.

<https://pubchem.ncbi.nlm.nih.gov/compound/Ethylene>

Pubchem. (2025). *Compound Summary*.

<https://pubchem.ncbi.nlm.nih.gov/compound/Water>

Pubchem. (2025). *Compound Summary*.

<https://pubchem.ncbi.nlm.nih.gov/compound/Ethanol>

Pubchem. (2025). *Compound Summary*.

<https://pubchem.ncbi.nlm.nih.gov/compound/1004>

Science and Technology Seminar Jakarta. (2022). *Produksi Etanol di Indonesia*.

Seminar Nasional Teknologi dan Energi Alternatif, Jakarta.

Smith, J.M., Van Ness, H.C., & Abbott, M.M. (2018). *Introduction to Chemical Engineering Thermodynamics*.

Statista Research Department. (2025). *Impor Etanol di Dunia dari Tahun 2010 hingga 2019*. Statista.

Treyball, R. E. (1984). *Mass-Transfer Operations* (3rd ed.). McGraw-Hill International.

Ullman. (1988). *Encyclopedia of Industrial Chemistry*, Vol B 2, VCH, Germany.