

- Aries, R. S. and Newton, R. D. (1954) *Chemical Engineering Cost Estimation*. New York: McGraw-Hill Book Company Inc.
- ASME (2013) *Rules for Construction of Pressure Vessels, ASME Boiler and Pressure VesselCode*. New York.
- Badan Penanggulangan Bencana Daerah Kabupaten Karanganyar. (2022). <https://bpbd.karanganyarkab.go.id/>
- Badan Pusat Statistik Kabupaten Karanganyar. (2022). <https://karanganyarkab.bps.go.id/>
- Badan Pusat Statistik Provinsi Jawa Tengah. (2022). <https://jateng.bps.go.id/indicator/6/64/1/tingkat-pengangguran-terbuka-tpt-.html>
- Bengawan Solo River Basin Development Agency. (2021). *Database Informasi Sumber Daya Air TAHUN 2021*.
- Brownell. (1959). *Process Equipment Design Handbook*. In *Advances in Applied Science Research* (Vol. 3, Issue 3, p. 408). <https://books.google.com/books?id=QtQWiZSkBzMC&pgis=1>
- Browns, G. G. (1950). *Unit Operations*.
- Chemanalyst. (2021). *Acetaldehyde Market Analysis 2015-2030*.
- Chhabra, R. and Shankar, V. (2018) *Coulson and Richardson's Chemical Engineering Volume 1A: Fluid Flow: Fundamentals and Applications*, Coulson and Richardson's Chemical Engineering. doi: 10.1016/b978-0-08-101099-0.09997-3.
- Crowl, D.A, Louvar, J.F. (2002) *'Chemical Process Safety'*. New Jersey: Prentice Hall. E. Ludwig, E. (1999) *'Applied Process Design for Chemical and Petrochemical Plants'*.
- Dzulqornain, F. (2015). *Prinsip Kerja Pompa Centrifugal*. <https://www.insinyoer.com/prinsip-kerja-pompa-centrifugal/>
- Elsay, J. (2017). *What a Drag: Effects of Fluid Viscosity on Centrifugal Pumps*. <https://www.pumpsandsystems.com/what-drag-effects-fluid-viscosity-centrifugal-pumps>.
- Evans, F. L. (1974) *'Fired Heaters and Boilers'*, *Equipment Design Handbook for Refineries and Chemical Plants*, pp. 1–27.
- Fogler, H. S. (2016) *Elements of Chemical Reaction Engineering*. 5th edn. Pearson Education, Inc.
- Global Asset Protection Services (2000) *Oil and Chemical Plant Layout and Spacing*. HSB Industrial Risk Insurers.

Haynes, W.M. (Ed.). (2016). CRC Handbook of Chemistry and Physics (97th ed.). CRC Press. <https://doi.org/10.1201/9781315380476>

Henderson, E. (2013, March). *Ethanol Tanks—Have They Been Inspected Lately?* <https://ethanolproducer.com/articles/9684/ethanol-tanksundefinedhave-they-been-inspected-lately>

Huang, X., Wu, S., Xiao, Z., Kong, D., Liang, T., Li, X., Luo, B., Wang, B., & Zhi, L. (2022). Predicting the optimal chemical composition of functionalized carbon catalysts towards oxidative dehydrogenation of ethanol to acetaldehyde. *Nano Today*, 44, 101508. <https://doi.org/10.1016/j.nantod.2022.101508>

Hunan Jetvision Industrial Co. Ltd. (2022). *What are the differences Between Elliptical Head and Torispherical Heads?* <https://www.jetvisionengineering.com/newsdetail/473.html>

Insiyah, S. (2014). *Tutup Bejana*. <https://www.academia.edu/>

Inspection Consultants. (2022). *API 510 Pressure Vessel Inspection*. <https://incon.co.uk/specialist-services/api-510-pressure-vessel-inspection/>

Ken Whitelaw (1997) 'ISO 14001 Environmental System Handbooks'. Oxford: Jordan Hillm.

Kern, D. Q. (1950). Process Heat Transfer. In *Process Heat Transfer*. <https://doi.org/10.1016/B978-0-12-373588-1.X5000-1>.

Kirk R.E. and Othmer, D.F., 1982, "Encyclopedia of Chemical Technology", vol.1, 2nd edition, A Willey Interscience Publication, John Wiley and Sons.

Kiss, Anton. et all. (2014) "Computer Aided Chemical Engineering Volume 13, Second Edition – Integrated Design and Simulation of Chemical Process., Elsevier Science.

Levenspiel, O. (1999) *Chemical reaction engineering, Industrial and Engineering Chemistry Research*. doi: 10.1021/ie990488g.

Material Safety Data Sheet Acetaldehyde MSDS, (2013).

Mahardhika, P., & Ratnasari, A. (2018). Perancangan Tangki Stainless Steel untuk Penyimpanan Minyak Kelapa Murni Kapasitas 75 m3. *Jurnal Teknologi Rekayasa*, 3(1), 39. <https://doi.org/10.31544/jtera.v3.i1.2018.39-46>.

McKetta, J.J.. 1976. Encyclopedia of Chemical Processing and Design, volume 1, Marcel Dekkert, Inc., New York Design and Economic. New York : John Wiley and Sons

Moridor Intellegence. (2022). ACETALDEHYDE MARKET - GROWTH, TRENDS, COVID 19 IMPACT, AND FORECASTS (2022 - 2027).

Jurnal Hukum Bisnis, Vol. 2.

Peraturan Daerah Kabupaten Karanganyar Nomor 24 Tahun 2015 tentang Perlindungan Industri, (2015).

Perry, R. H. (2008). Perry's Chemical Engineers Handbook. Kansas: McGraw-Hill

Peter, M.S. dan Timmerhaus, K.D. (2003) 'Plant Design and Economics for Chemical Engineers', 4th ed., McGraw-Hill Book Company, New York (Chapter 6 dan 7).

Peters, M., Timmerhaus, K., & West, R. (2002). *Plant Design and Economics for Chemical Engineers*. McGraw-Hill Education. <https://www.ptonline.com/articles/how-to-get-better-mfi-results>.

Plant Cost Index. (2022) <https://www.chemengonline.com/site/plant-cost-index/>

PT Indo Acidatama Tbk. (2019). Annual Report 2019 PT INDO ACIDATAMA Tbk. *Annual Report*, 126. <https://www.acidatama.co.id/laporan-keuangan.php>.

Purwosutjipto, H.M.N. (1981) *Pengertian Pokok Hukum Dagang Indonesia*. Jakarta: Djambatan.

R. Sinnott and G. Towler. (2020) 'Chemical Engineering Design', 6th Edition, Butterworth-Heinemann (Chapter 6).

Rase, H. (1977) 'Chemical Reactor Design for Process Plant'. John Wiley & Sons, Ltd.

Sanseverino, J. (2005). *Encyclopedia of Toxicology (Second Edition)* (P. Wexler (Ed.)). Elsevier. <https://doi.org/10.1016/B0-12-369400-0/00009-0>.

ScienceLab.com. (2005). *Material Safety Data Sheet Ethyl alcohol 200 Proof MSDS*. 4, 1–7.

ScienceLab.com. (2013). *Material Safety Data Sheet Acetaldehyde MSDS*.

Sinnott, R. K. (1983) 'Coulson and Richardson's Chemical Engineering: Chemical Engineering Design'.

Smith, J. M., Van Ness, H. C. and Abbott, M. M. (2001) 'Introduction to Chemical Engineering Thermodynamics'. 6th edn. New York: The McGraw Hill Companies, Inc.

Sukma, D. A., Indrawati, L. R., & Juliprijanto, W. (2019). Analisis Pengaruh Tingkat Pengangguran dan Rasio Ketergantungan Terhadap Pertumbuhan Ekonomi di Provinsi Jawa Tengah Tahun 2001-2017. *DINAMIC: Directory Journal of Economic*, 1(3), 269–281.

Supartha, W. G. dan Sintaasih, D. K. (2017). *PENGANTAR PERILAKU ORGANISASI: Teori, Kasus, dan Aplikasi Penelitian*. Denpasar: CV Setia Bakti.

Tchobanoglous, et al. (2003) 'Wastewater Engineering Treatment and Reuse'. 4th Ed. McGraw-Hill.



UNIVERSITAS
GADJAH MADA

Prarancangan Pabrik Asetaldehida dari Etanol dengan Proses Dehidrogenasi Etanol dengan Kapasitas

35.000 Ton/Tahun

Eva Maisaramita Gayoris, Prof. Ir. Suryo Purwono, MA.Sc., Ph.D.

Universitas Gadjah Mada, 2023 | Diunduh dari <http://etd.repository.ugm.ac.id/>

Thulukkanam, K. (2000) Heat Exchanger Design Handbook, Heat Exchanger Design Handbook. doi: 10.1201/9781420026870.

Treybal, R. (1980) 'Mass Transfer Operations'.

Ulrich D, G. (1984). "*A Guide to Chemical Engineering Process Design and Economics.*"

Yaws, C. L. (1999). Chemical Properties Handbook. In *McGRAW-HILL* (Vol. 5, Issue 3).