

## DAFTAR PUSTAKA

- Aries, R. S. and Newton, R. D., 1955, *Chemical Engineering Cost Estimation*, pp. 1-16; 52; 77-78; 97-119; 163-164; 177; 185-197; 203-209, McGraw-Hill Book Company, Inc., New York.
- Brown, G.G., Katz, D., Foust, A.S., dan Schneidewind, C., 1978, "Unit Operation", John Wiley and Sons, Inc., New York.
- Brownell L.E., Young E.H, *Process Equipment Design*, John Wiley & Sons, Ltd., USA, 1959
- Cotson S., Holt S.J., *Studies of Enzyme Cytochemistry. IV. Kinetics of Aerial Oxidation of Indoxyl and Some of Its Halogen Derivatives*, The Royal Society, 1958
- Coulson J.M., Richardson J.M., *Chemical Engineering: An Introduction to Chemical Engineering Design*, Pergamon Press, United Kingdom, 2005
- Crowl, D.A, Louvar, J.F. 2002. *Chemical Process Safety*. Prentice Hall. New Jersey.
- Devakumar D., Saravanan K., Kannadasan T., *Mass Transfer Coefficient Studies in Bubble Column Reactor*, Modern Applied Science, 2010
- Greskovich E.J. and O'Bara J.T., *Perforated-pipe Distributors*, Ind. Eng. Chem. Proc. Dev., 7(4) :593-595
- Hikita H., Asai S., Tanigawa K., Segawa K., Kitao M., *Gas Hold-up in Bubble Columns*, The Chemical Engineering Journal, 1980
- <http://matche.com/equipcost/Default.html>, diakses pada tanggal 26 agustus 2020 pukul 14.00 WIB.
- <http://www.mhhe.com/engcs/chemical/peters/data/ce.html>, diakses pada tanggal 26 agustus 2020 pukul 14.00 WIB.
- Ken Whitelaw. 1997. "ISO 14001 *Environmental System Handbooks*". Jordan Hillm, Oxford.
- Keputusan Gubernur Jawa Timur Nomor 188/568/KPTS/013/2019 tentang Penetapan Upan Minimum Kabupaten/Kota di Jawa Timur Tahun 2020.



- Kulkarni A.V., *Design of Pipe/Ring Type of Sparger for a Bubble Column Reactor*, Chemical Engineering Technology, 2009
- Kulkarni A.V., Badgandi S.V., Joshi J.B., *Design of Ring and Spider Type Spargers for Bubble Column Reactor: Experimental Measurements and CFD Simulation of Flow and Weeping*, Chemical Engineering Research and Design, 2009
- Occupational Safety and Health Act. 2000. *Process Safety Management*. U.S. Department of Labor.
- Pangarkar V.G., *Design Multiphase Reactor*, John Wiley & Sons, Ltd., Canada, 2015
- Perry, R.H. dan Green, D.W., 1987, "Perry's Chemical Engineer's Handbook", 6th ed., Mc Graw Hill Book Co., Singapore.
- Peter, M.S., and Timmerhaus, K.D., 1968, *Plant Design Economics for Chemical Engineers*, 2nd ed., Mc. graw Hill Book Co., New York.
- Powell, S.T., 1954, "Water Conditioning for Industry", 1<sup>st</sup>ed., Mc Graw Hill Book Co., Tokyo.
- Sinnott, R. K., 1983, "Coulson & Richardson's Chemical Engineering Series : Chemical Engineering Design", Chemical Engineering vol. 6 4th ed., Elsevier Butterworth-Heinemann, Oxford.
- Smith R., *Chemical Process Design and Integration*, John Wiley & Sons, Ltd., USA
- Vatavuk, William M., 2002, *Updating the CE Plant Cost Index*, New York
- Ulrich, G. D., 1984, *A Guide to Chemical Engineering Process Design and Economics*, pp. 324-329, John Wiley and Sons, Inc., New York.
- Urza I.J., Jackson M.L., *Pressure Aeration in a 55-ft Bubble Column*, Ind. Eng. Chem. Proc. Dev., 1975
- Yaws C.L., *Chemical Properties Handbook: Physical, Thermodynamic, Environmental, Transport, Safety and Health Related Properties for Organic and Inorganic Chemicals*, McGraw-Hill, USA, 1995