



## DAFTAR PUSTAKA

- Akhabue, C. E., & Ogogo, J. A. (2018). Modelling and optimization of transesterification of palm kernel oil catalysed by calcium oxide derived from hen eggshell wastes. *Ife Journal of Science*, 20(1), 127. <https://doi.org/10.4314/ijss.v20i1.13>
- Aries, R. S., & Newton, R. D. (1955). *Chemical engineering cost estimation* (No. 660.28 A75)
- Badan Pusat Statistik. (2018). *Proyeksi Penduduk Indonesia 2015-2045*.
- Badan Pusat Statistik. (2019). *Rata-Rata Suhu Udara Menurut Bulan (°C)*, 2018-2020. <https://pelalawankab.bps.go.id/indicator/151/143/1/rata-rata-suhu-udara-menurut-bulan.html>
- Badan Pusat Statistik. (2020). *Produksi Perkebunan Besar Menurut Jenis Tanaman (Ton)*. <https://www.bps.go.id/indicator/54/94/2/produksi-perkebunan-besar-menurut-jenis-tanaman.html>
- Badan Standardisasi Nasional. (1994). Standar mutu sabun mandi. *SNI 06-3532-1994*, 16.
- Brown, G. G., Foust, A. S., Brown, G. M., & Schneidewind, R. (1951). *Unit operations*.
- Brownell, L. E., & Young, E. H. (1959). *Process equipment design: vessel design*. John Wiley & Sons.
- Chong, C. L., & Siew, W. L. (1994). Chemical and Physical Properties of Palm Kernel Oil. In *Proceedings of the World Conference on Lauric Oils* (hal. 79–83). AOCS Publishing. <https://doi.org/10.1201/9781439832066>
- Crowl, D. A., & Louvar, J. F. (2001). *Chemical process safety: fundamentals with applications*. Pearson Education.
- Darnoko, D., & Cheryan, M. (2000). Kinetics of palm oil transesterification in a batch reactor. *Journal of the American Oil Chemists' Society*, 77(12), 1263-1267.
- Das, K., Sahoo, P., Sai Baba, M., Murali, N., & Swaminathan, P. (2011). Kinetic studies on saponification of ethyl acetate using an innovative conductivity-



monitoring instrument with a pulsating sensor. *International Journal of Chemical Kinetics*, 43(11), 648-656.

Fogler, H. S., & Fogler, S. H. (1999). *Elements of chemical reaction engineering*. Pearson Educacion.

Fortune Business Insights. (2020). *Soap Market Size, Share & Industry Analysis, By Product Type (Bath & Body Soaps, Kitchen Soaps, and Laundry Soaps), Form (Solid and Liquid), Application (Household and Commercial), Distribution Channel, and Regional Forecast, 2020-2027*.  
<https://www.fortunebusinessinsights.com/soap-market-102841>

Green, D. W., & Perry, R. H. (2008). *Perry's Chemical Engineers' Handbook* (8 ed.). McGraw-Hill.

Hall, S. (2017). *Rules of thumb for chemical engineers*. Butterworth-Heinemann.

ISO 14001:2015(en) - Environmental management systems —  
<https://www.iso.org/> (Diakses pada 30 Mei 2022).

IUPAC-IUB Commission on Biochemical Nomenclature. (1977). The nomenclature of lipids: Recommendations (1976). *Lipids*, 12, 455–468.

Kent, J. A. (1992). *Riegel's Handbook of Industrial Chemistry* (9 ed.). Springer Science & Business Media.

Kern, D. Q. (1950). *Process heat transfer* (Vol. 5). New York: McGraw-Hill.

Kirk, R. ., & Othmer, D. F. (1998). *Encyclopedia of Chemical Technology: Volume 22* (4 ed.). Wiley.

Kostik, V., Memeti, S., & Bauer, B. (2013). Fatty acid composition of edible oils and fats. *Journal of Hygienic Engineering and Design*, 4, 112–116.

*Material Safety Data Sheet*.

McBain, J. W., & Sierichs, W. C. (1948). The solubility of sodium and potassium soaps and the phase diagrams of aqueous potassium soaps. *Journal of the American Oil Chemists Society*, 25(6), 221–225.  
<https://doi.org/10.1007/BF02645899>

National Center for Biotechnology Information. (2021). *PubChem Compound Summary for CID 6144, Edetate sodium*.  
<https://pubchem.ncbi.nlm.nih.gov/compound/Edetate-sodium>

NEMA. 2016. *Motors and Generators*.



<https://www.nema.org/standards/view/motors-and-generators>

Occupational Safety and Health Act. 2000. *Process Safety Management*. U.S. Department of Labor.

Ogoshi, T., & Miyawaki, Y. (1985). Soap and related products: Palm and lauric oil. *Journal of the American Oil Chemists' Society*, 62(2), 331–335.  
<https://doi.org/10.1007/BF02541400>

Peters, M. S., Timmerhaus, K. D., & West, R. E. (2003). *Plant design and economics for chemical engineers* (Vol. 4). New York: McGraw-Hill.

Powell, S. T. (1954). *Water conditioning for industry*. McGraw-Hill Companies.  
Rase, H. F., & Holmes, J. R. (1977). *Chemical reactor design for process plants* (Vol. 2). New York: Wiley.

Reinisch, M. D. (1952). Soaps from Fatty Acids. *Journal of the American Oil Chemists' Society*, 29(11), 506–510.

Sinnott, R., Richardson, J. F., & Coulson, J. M. (2013). *Chemical engineering: An introduction to chemical engineering design*. Elsevier.

Spitz, L. (2016). *Soap Manufacturing Technology* (2 ed.). Elsevier.

Statista. (2020). *Which Countries Produce The Most Palm Oil?*  
<https://www.statista.com/chart/23097/amount-of-palm-oil-produced-in-selected-countries/>

Towler, G., & Sinnott, R. (2013). Chemical Engineering Design: Principles. *Practice and Economics of Plant and Process Design*, 5.

Ulrich, G. D. (1984). *A guide to chemical engineering process design and economics* (p. 295). New York: Wiley.

Walker, S., & McMahon, D. M. (2008). *Biochemistry Demystified*. McGraw-Hill.