

DAFTAR PUSTAKA

- Andrushkevich, T. V. (1993). Heterogeneous Catalytic Oxidation of Acrolein to Acrylic Acid: Mechanism and Catalysts. *Catalysis Reviews: Science and Engineering*, 35:2, 213-259.
- Aries, R. S., & Newton, R. D. (1954). *Chemical Engineering Cost Estimation*. New York: McGraw Hill Book Company Inc.
- Biyantoro, D., & Basuki, K. T. (2007). Pengukuran dan Analisis Unsur - Unsur Pada Air Laut Muria Untuk Air Primer PWR. *Prosiding PPI - PDIPTN 2007*. Yogyakarta: Pustek Akselerator dan Proses Bahan - BATAN.
- Brownell, L. E., & Young, E. H. (1979). *Equipment Design Handbook*. New York: John Wiley and Sons, Inc.
- Campos, P., Jun, M., & Puranmalka, R. (2014). *Production of Acrylic Acid from Ethylene*. Philadelphia: University of Pennsylvania.
- Childress, D. L., Poppe, R. L., & Hayes, W. V. (1980). *United States Patent No. 4208306*. (2018). *China Chemicals Outlook*. ICIS.
- Couper, J. R., Penney, W. R., Fair, J. R., & Walas, S. M. (2005). *Chemical Process Equipment Selection and Design*. Burlington: Elsevier Inc.
- Crowl, D. A., & Louvar, J. F. (2002). *Chemical Process Safety*. Upper Saddle River: Prentice Hall Inc.
- David L. Childress, A., Hayes, W. V., & Poppe, R. L. (1980). *USA Patent No. 4208306*.
- Davis, M. L., & Cornwell, D. A. (2013). *Introduction To Environmental Engineering*. Singapore: McGraw-Hill Book Company.
- Echemi.com. (2022, 10 31). Retrieved from Echemi:
<https://www.echemi.com/cms/603798.html#:~:text=In%202021%2C%20the%20global%20production,which%20is%202.1%20million%20tons.>
- Eduljee, H. E. (1959). Design of Sieve-Type Distillation Plates. *British Chemical Engineering*, 340.
- Evans, F. L. (1980). *Equipment Design Handbook*. Tokyo: Gulf Publishing Company.
- Fu, Q., Tan, L., Wang, R., Ning, Y., Yang, Y., & Xie, X. (2015). Corrosion and Protection of the Condenser Seawater Cooling System. *3rd International Conference on Material, Mechanical and Manufacturing Engineering* (pp. 1753-1757). Guangzhou: Atlantis Press.
- Holman, J. P. (1986). *Heat Transfer*. New York: McGraw-Hill.

- Kampe, P., Giebler, L., Samuelis, D., Kunert, J., Drochner, A., Haab, F., . . . Vogel, H. (2007). Heterogeneously catalysed partial oxidation of acrolein to acrylic acid—structure, function and dynamics of the V–Mo–W mixed oxides. *Physical Chemistry Chemical Physics*, 3577 - 3589.
- Kern, D. Q. (1965). *Process Heat Transfer*. New York: McGraw-Hill Book Company.
- Khairunnisa, U., Elystia, S., & Zultinir. (2015). Efisiensi Penurunan Kadar Natrium (Na+) dan Klorida (Cl-) Pada Air Laut Menggunakan Tanah Lempung Dengan Metode Penukar Ion. *Jurnal Online Mahasiswa Fakultas Teknik Universitas Riau*, 1-7.
- Long, N. V., Lee, D. Y., Jin, K. M., Choongyong, K., Mok, L. Y., Wo, L. S., & Lee, M. (2020). Advanced and Intensified Seawater Flue Gas Desulfurization Processes: Recent Developments and Improvements. *Energies*, 1-20.
- Oo, M. H., & Song, L. (2009). Effect of pH and Ionic Strength on Boron Removal by RO Membranes. *Desalination*, 605-612.
- Powell, S. T. (1954). *Water Conditioning for Industry*. New York: McGraw-Hill Book Company.
- Pushpalatha, N., Sreeja, V., Karthik, R., & Saravanan, G. (2022). Total Dissolved Solids and Their Removal Techniques. *International Journal of Environmental Sustainability and Protection*, 13 - 30.
- Rais, I. U., Irawan, D. M., Syamsudin, Y. A., & Murtyas, S. D. (2018). Analisis Mikro Struktur Absorptivitas Silika Gel Pada Kondisi Temperatur dan Relative Humidity (RH) Dinamis. *Jurnal MER-C*.
- Rase, H. F., & Barrow, M. H. (1977). *Chemical Reactor Design for Process Plant*. New York: Mc Graw Hill Book Company, Inc.
- Sinnot, R. K. (1999). *Coulson & Richardson's Chemical Engineering Volume 6 Third Edition*. Oxford: Butterworth-Heinemann.
- Smith, J. M. (1970). *Chemical Engineering Kinetics Second Edition*. New York: McGraw-Hill Book.
- Susiati, H., Yarianto, S., & Hamzah, I. (2003). Dampak Pencemaran Boron Terhadap Air Laut. *Jurnal Pengembangan Energi Nuklir*, 17-28.
- Timmerhaus, K. D., & Peter, M. S. (2003). *Plant Design and Economics for Chemical Engineers*. New York: Mc.Graw Hill Book Company Inc.
- Ulrich, G. D. (1984). *A Guide to Chemical Engineering Process Design and Economics*. New York: John Wiley & Sons, Inc.
- Wilhelm Ruppel, F., Ulrike Wegerle, W., Andreas Tenten, N., & Ulrich Hammon, M. (1998). *Germany Patent No. 5739391*.
- Wu, S. T., She, Q. M., Tesser, R., Serio, M. D., & Zhou, a. C. (2020). Catalytic glycerol dehydration-oxidation to acrylic acid. *Catalysis Review Vol. 62 No. 4*, 481-523.

Yaws, C. L. (1999). *Chemical Properties Handbook*. New York: Mc Graw Hill Book Co.

Zhang, Y., Gao, Y., & Zhou, J. (2011). . Effects of Additives on Seawater Flue Gas Desulfurization. *2011 International Conference on Environment Science and Engineering IPCBEE* (pp. 119-123). Singapore: IACSIT Press.