

## DAFTAR PUSTAKA

- Ahmed, M. A. (2013). Catalyst Deactivation Common Causes. *Nitrogen and Syngas Conference*. Berlin.
- Bussche, V. K., & Froment, G. (1996). A Steady-State Kinetic Model for Methanol Synthesis and the Water Gas Shift Reaction on a Commercial Cu/ZnO/Al<sub>2</sub>O<sub>3</sub> Catalyst. *Journal of Catalysis*.
- Cheremisinoff, N. P. (2002). *Handbook of Fluid Filtration (2nd ed.)*. Butterworth-Heinemann.
- Crittenden, J. C., Trussell, R. R., Hand, D. W., Howe, K. J., & Tchobanoglous, G. (2012). *MWH's Water Treatment: Principles and Design (3rd ed.)*. John Wiley & Sons.
- Davis, M. (2010). *Water and Wastewater Engineering Design Principles and Practice*. McGraw-Hill.
- Guchi, H., Efriyeldi, E., & Suherman, S. (2020). Kualitas air laut ditinjau dari parameter fisika kimia di Perairan Dumai Provinsi Riau. *Jurnal Ilmu-Ilmu Perikanan dan Budidaya Perairan*, 8.
- Hambali, E., & Rivai, M. (2017). The Potential of Palm Oil Waste Biomass in Indonesia in 2020 and 2030. *IOP Conference Series: Earth and Environmental Science*. Canada: IOP Publishing.
- Haydary, J., Suhaj, P., & Husar, J. (2021). Waste Biomass to Methanol-Optimisation of Gasification Agent to Feed Ratio Vol. 11. *Biomass Conversion and Biorefinery*, 419-428.
- IRENA and Methanol Institute. (2021). *Innovation Outlook : Renewable Methanol*. Abu Dhabi: International Renewable Energy Agency.
- Kawamura, S. (2000). *Integrated Design and Operation of Water Treatment Facilities (2nd ed.)*. John Wiley & Sons.
- Kucera, J. (2010). *Reverse Osmosis : Design, Processes, and Applications for Engineers*. Massachusetts: John Wiley & Sons.
- Maarif, S., & Harahap, S. (2017). Optimisasi Gasifikasi Sekam Padi Tipe Fixed Bed Downdraft dengan Memvariasikan Hisapan Blower supaya Menghasilkan Kandungan Tar sesuai Standar. *Jurnal Teknik Mesin Vol. 06, No. 4*, 231-236.
- Martin, A., & O'Malley, J. (2021). Kompatibilitas Campuran Bahan Bakar Metanol pada Kendaraan dan Mesin Berbahan Bakar Bensin di Indonesia. *The International Council on Clean Transportation*.
- Metcalf, & Eddy. (2003). *Wastewater Engineering Treatment and reuse*. New York: McGraw-Hill.
- Millero, F. (2006). *Chemical Oceanography*. CRC Press.
- NalcoWater. (2017). *The Nalco Water Handbook (4th ed.)*. McGraw-Hill Education.



- Nevers, N. d. (1991). *Fluid Mechanics for Chemical Engineers Second Edition*. New York: McGraw-Hill International.
- Perry, R. H., & Green, D. W. (2008). *Perry's Chemical Engineers' Handbook (8th ed.)*. McGraw-Hill.
- Pujotomo, I. (2017). Potensi Pemanfaatan Biomassa Sekam Padi untuk Pembangkit Listrik melalui Teknologi GASIFIKASI. *Jurnal Energi & Kelistrikan Vol. 9 No. 2*, 126-135.
- Shannon, M. A., Bohn, P. W., Elimelech, M., G., G. J., Mariñas, B. J., & Mayes, A. M. (2008). Science and technology for water purification in the coming decades. *Nature*, 301-310.
- Suseno, T., & Umar, D. F. (2021). Prospect of coal-based methanol market in Indonesia. *IOP Conference Series: Earth and Environmental Science*. Canada: IOP Publishing.
- Ullman. (2005). *Processes and Process Engineering Vol 3*. Wiley-VCH: Weinheim.
- Vouchkov, N. (2018). *Seawater Reverse Osmosis Desalination: Assessment and Pre-treatment of Concentrate and Permeate Streams*. CRC Press.
- Wang, S., Madekufamba, M., Lesage, K., Bernard, F., Gelfand, B., Davis, P., . . . Botros, K. (2020). Dithiazine Vapour Saturation in Natural Gas Mixtures. *Journal of Natural Gas Science & Engineering*.
- Welasih, T. (2006). PENENTUAN KOEFISIEN PERPINDAHAN MASSA LIQUID SOLID DALAM KOLOM PACKED BED DENGAN METODE ADSORPSI. *Jurnal Teknik Kimia, Vol. 1, No. 1*, 15-20.
- Yaws, C. (1999). *Chemical Properties Handbook*. Texas: McGraw-Hill.
- Zook, D., Bonne, U., & Samad, T. (2015). Sensors in Control Systems. *CONTROL SYSTEMS, ROBOTICS, AND AUTOMATION VOL. XXI*.