

DAFTAR PUSTAKA

- Argus MTBE Annual 2017 Market Reporting Petrochemicals illuminating the markets
Consulting Events Argus MTBE Annual 2017. (2017).
- Bartholomew, C.H., 2004. Catalyst Market, Present and Future, in preparation.
- Bartholomew, C., 2003. Catalyst Deactivation Regeneration-Heterogeneous, in
Encyclopedia of Catalysis, ed. I.T. Horvath. John
- Basu, S. (n.d.). *Plant Hazard Analysis and Safety Instrumentation Systems*.
- Bragg, L. M., Miller, M. E., Chairman, V., Crawford, C. T., Hillman, J. A., Askey, T. J.,
& Rogowsky, R. A. (1999). Methyl Tertiary-Butyl Ether (MTBE): Conditions
Affecting the Domestic Industry U . S . International Trade Commission, (332).
- Brown, G. G., Katz, D., Foust, A.S., and Schneidewind, R., 1950, *Unit Operations*, John
Wiley and Sons, Tokyo.
- Bundesanstalt, P., & General, A. (2001). Determining the incendivity of electrostatic
discharges without explosive gas mixtures, 0.
- Center for Chemical Process Safety (CCPS)-Guidelines for Engineering Design for
Process Safety (Process Safety Guidelines and Concept)-John Wiley & Sons (2012)
- Chauvel, A., & Lefebvre, G. (1989). Petrochemical Process v.1 Syntheses-Gas
Derivatives and Major Hydrocarbons.
- Chinchen G.C., Denny P.J., Jennings J.R. Synthesis of methanol - part 1. Catalysis and
kinetics. Applied Catalysis. 1988, Vol. 36, pp. 1-36.
- Di Girolamo, M. (1999). MTBE and alkylate co-production: fundamentals and operating
experience. Catalysis Today, 52(2-3), 307-319. [https://doi.org/10.1016/S0920-5861\(99\)00084-X](https://doi.org/10.1016/S0920-5861(99)00084-X)
- English, A.J., Rovner, J. B., and Davies, S., 1995. Methanol, in Kirk-Othmer
Encyclopedia of Chemical Technology, eds. J. Kroschwitz and M. Howe-Grant,
16:537-556.
- Evans, F. L., 1980, *Equipment Design Handbook for Refineries and Chemical Plants*,
2nd ed., Gulf Pub. Co, Houston.
- Fogler, H. S., 2004, *Elements of Chemical Reaction Engineering*, 3rd ed., Prentice Hall
of India, New Delhi.
- Gary, J. H. (2007). *Petroleum Refining Technology and Economics*.

- Government, K. R. (2016). Production of Methyl Tertiary Butyl Ether.
- H.F. Rase, Handbook of commercial catalysts: heterogeneous catalysts (CRC Press LLC, 2000), p. 430
- Halim, H., & Mohammad, A. (2004). Handbook of MTBE and Other Gasoline Oxygenates.
- Hansen, J. B.; Højlund, N. In Handbook of Heterogeneous Catalysis; Ertl, G., Knozinger, H., Schuth, F., Weitkamp, J., Eds.; Wiley: Weinheim, Germany, 2008; Vol. 6, p 2920.
- http://inatews.bmkg.go.id/new/query_gmpqc.php diakses pada tanggal 2 November 2017 pukul 13.00
- <https://balikpapankota.bps.go.id/linkTabelStatis/view/id/26> diakses pada tanggal 2 November 2017 pukul 13.00
- <https://balikpapankota.bps.go.id/linkTabelStatis/view/id/3> diakses pada tanggal 2 November 2017 pukul 13.00
- <https://balikpapankota.bps.go.id/linkTabelStatis/view/id/33> diakses pada tanggal 2 November 2017 pukul 13.00
- <https://balikpapankota.bps.go.id/linkTabelStatis/view/id/51> diakses pada tanggal 2 November 2017 pukul 13.00
- Kern, D.Q., 1965, *Process Heat Transfer*, McGraw-Hill, Singapore.
- Kunii, D., and Levenspiel, O., 1991, *Fluidization Engineering, 2nd ed.*, Butterworth Heinemann, United States.
- Kwon, H., Lee, C., Seo, D., & Moon, I. (2016). Journal of Loss Prevention in the Process Industries Korean experience of process safety management (PSM) regulation for chemical industry. *Journal of Loss Prevention in the Process Industries*, 42, 2–5. <https://doi.org/10.1016/j.jlp.2015.10.001>
- L. E. Wade, R. B. Gengelbach, J. L. Trumbley, and W. L. Hallbauer, in Kirk-Othmer Encyclopedia of Chemical Technology, 3rd ed., Vol. 15 (M. Grayson and D. Eckroth, eds.), John Wiley and Sons, New York, 1981, pp. 398415.
- Lee, K., Kwon, H., Cho, S., Kim, J., & Moon, I. (2016). Journal of Loss Prevention in the Process Industries Improvements of safety management system in Korean chemical industry after a large chemical accident. *Journal of Loss Prevention in the Process Industries*, 42, 6–13. <https://doi.org/10.1016/j.jlp.2015.08.006>

- Levenspiel, O., 1999, *Chemical Reaction Engineering*, 3rd ed., John Wiley and Sons, Inc., New York.
- Liu, K., Song, C., & Subramani, V. (2009). *Hydrogen and Syngas Production and Purification Technologies. Hydrogen and Syngas Production and Purification Technologies.*
- Liu, K., Song, C., & Subramani, V. (2009). *Hydrogen and Syngas Production and Purification Technologies. Hydrogen and Syngas Production and Purification Technologies.*
- Lormand C.. Industrial Production of Synthetic Methanol. *Ind. Eng. Chem.* 1925, Vol. 17, pp. 430-432.
- Luyben, W. L. (2014). Design and control of the dry methane reforming process. *Industrial and Engineering Chemistry Research*, 53(37), 14423–14439.
- Luyben, W. L. (2014). *Design and control of the dry methane reforming process. Industrial and Engineering Chemistry Research*, 53(37), 14423–14439.
- Marschner, F. and Moeller, F.W., 1983. Methanol Synthesis, in *Applied Industrial Catalysis*, ed. B.E. Leach. Academic Press, vol.2, chap. 6, pp. 2 15-243.
- Mäyrä, O., & Leiviskä, K. (2008). Modelling in methanol synthesis.
- Mokheimer, E. M. A., Ibrar Hussain, M., Ahmed, S., Habib, M. A., & Al-Qutub, A. A. (2014). On the Modeling of Steam Methane Reforming. *Journal of Energy Resources Technology*, 137(1), 12001.
- Mokheimer, E. M. A., Ibrar Hussain, M., Ahmed, S., Habib, M. A., & Al-Qutub, A. A. (2014). *On the Modeling of Steam Methane Reforming. Journal of Energy Resources Technology*, 137(1), 12001.
- Panahi, P. N., Mousavi, S. M., Niaei, A., Farzi, A., & Salari, D. (2012). *Simulation of methanol synthesis from synthesis gas in fixed bed catalytic reactor using mathematical modeling and neural networks*, 3(2), 1–7.
- Rahman, D. (2012). *Kinetic Modeling Of Methanol Synthesis From Carbon Monoxide , Carbon Dioxide , And Hydrogen Over A Cu / ZnO / Cr₂O₃ Catalyst.*
- Repository, I. (2013). Institutional Repository Systems thinking , the Swiss Cheese Model and accident analysis: a comparative systemic analysis of the Grayrigg train derailment using the ATSB , AcciMap and STAMP models.

- Rezaie, N., Jahanmiri, A., Moghtaderi, B., & Rahimpour, M. R. (2005). *A comparison of homogeneous and heterogeneous dynamic models for industrial methanol reactors in the presence of catalyst deactivation*, 44, 911–921.
- Simpson, A. P., & Lutz, A. E. (2007). Exergy analysis of hydrogen production via steam methane reforming. *International Journal of Hydrogen Energy*, 32(18), 4811–4820.
- Sinnott, R. K., 1983, “*Coulson & Richardson’s Chemical Engineering Series : Chemical Engineering Design*”, *Chemical Engineering vol. 6 4th ed.*, Elsevier Butterworth-Heinemann, Oxford.
- Skrzypek, J., Lachowska, M., Grzesik, M., Sloczynski, J., Nowak, P., 1995. Thermodynamics and kinetics of low pressure methanol synthesis. *Chem. Eng. J.* 58 (2), 101-108.
- Skrzypek, J., Lachowska, M., Moroz, H., 1991. Kinetics of methanol synthesis over commercial copper/zinc oxide/alumina catalysts. *Chem. Eng. Sci.* 46 (11), 2809-2813.
- Swuste, P., Theunissen, J., Schmitz, P., Reniers, G., & Blokland, P. (2016). Journal of Loss Prevention in the Process Industries Process safety indicators , a review of literature. *Journal of Loss Prevention in the Process Industries*, 40, 162–173. <https://doi.org/10.1016/j.jlp.2015.12.020>
- Treybal, R. E., 1955, *Mass-Transfer Operations, 3rd ed.*, McGraw-Hill, Singapore.
- Ullmann, F., & Bohnet, M. (2005). *Ullmann’s Encyclopedia of Industrial Chemistry*, Vols, 1 to 39.
- Waugh K.C. Methanol Synthesis. *Catalysis Today*. 1992, Vol. 15, 1, pp. 51-75.
- Wu, W., Yang, H. T., & Hwang, J. J. (2015). Dynamic control of a stand-alone syngas production system with near-zero CO₂ emissions. *Energy Conversion and Management*, 89, 24–33.
- Yaws, Carl L., 1999, *Chemical Properties Handbook*, McGraw-Hill, New York.
- Young, E.H., and Brownell, L. E., 1979, *Process Equipment Design*, John Wiley and Sons, Inc., New York.
- Z.Yang, M.Liu ,X.Luan, 1984, Macroscopic Kinetics for MTBE sythsesis using macroporous-Exchange Resin Catalyst, *Qilu Petrochem. Technol. (China)* 12(1)