DAFTAR PUSTAKA

Abbas, S. Z., Dupont, V. and Mahmud, T. (2017) 'Kinetics study and modelling of steam methane reforming process over a NiO/Al 2 O 3 catalyst in an adiabatic packed bed

Arch Chemical, Inc. 1999. *Safety And Handling of Hydrazine Solution.* Washington DC. U.S. Environmental Protection Agency. 1999. *Nitrogen Oxides (NOx), Why and How They Are Controlled.* EPA 456/99/006R. Office of Qir Quality Planning and Standard. Research Triangle Park, NC.

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.

BP Statistical Review of World Energy, 2015, Centre for Energy Economics Research and Policy, Heriot-Watt University

Brown, G.G., Katz, D., Foust, A.S., dan Schneidewind, C., 1978, "Unit Operation", John Wiley and Sons, Inc., New York.

Brownell, L.E. and Young, E.H., 1991, Process Equipment Design, Wiley Eastern India Limited.

Celik, F. E., Lawrence, H., & Bell, A. T. (2008). Journal of Molecular Catalysis A : Chemical Synthesis of precursors to ethylene glycol from formaldehyde and methyl formate catalyzedby heteropoly acids, 288, 87–96.

Chen, Chao and Edward S. Rubin, 2009, CO_2 *Control Technology effects on IGCC Plant Performance and Cost*, Elsevier, Pittsburgh.

D. Q. Kern, 1950, Process Heat Transfer, McGraw-Hill.

European Comission. 2006. "Emission from Storage". Best Available Techniques Document. *Guidance Storage and Handling of Chlorinated Solvent*. 2011. 4th Edition European Chlorinated Solvent Asscociation . Belgium.

Evans, F.L.Jr., 1974. Equipment Design Handbook for Refineries and Chemical Plants, 2nd Ed. Houston. Gulf Publishing Company.

Gangadharan, Preeti., Kanchi, K.C., Lou, H.H. 2012. Evaluation of the Economic and Environmental Impact of Combining Dry Reforming with Steam Reforming of Syngas Production.

Global Asset Protection Services LLC (2001) 'Oil and Chemical Plant Layout and Spacing', GAPS Guidelines, GAP.2.5.2, pp. 1–13.

Glycol, E., & Glycol, E. (1995). A Paper On Manufacturing Of Ethylene Glycol.

http://www.alibaba.com/product-detail/Fly-Ash-Price_60240759065.html, diakses pada tanggal 28 Mei 2016 pukul 18.00 WIB.

http://matche.com/equipcost/Default.html, diakses pada tanggal 26 Mei 2016 pukul 14.00 WIB.

http://www.mhhe.com/engcs/chemical/peters/data/ce.html, diakses pada tanggal 26 Mei 2016 pukul 14.00 WIB.

http://rmrc.wisc.edu/ug-mat-coal-bottom-ashboiler-slag/, diakses pada tanggal 29 Mei 2016 pukul 15.00 WIB.

Industry Fact and Figures, 2016, Kementria Perindustria, Republik Indonesia.

Kajian Substitusi Gas dengan Energi Lain Pada Sektor Industri, 2016, Pusat Data dan Teknologi Informasi Energi dan Sumber Daya Mineral, Kementrian ESDM, Indonesia

Keputusan Gubernur Kalimantan Selatan Nomor 561/K.776/2014 tentang Penetapan Upan Minimum Kabupaten Kutai Selatan Tahun 2016.

Levenspiel O., 1979, Chemical reaction engineering. New. York: John Wiley and Sons Ludwig, E.E. 1999. Applied Process Design for Chemical and Petrochemical Plants, 3rd Ed Vol. 2. Housto. Butterworth-Heinemann.

Luo, N., Ji, Y., Mao, Y., & Zhang, B. (2012). Syn-gas-based mono ethylene glycol synthesis in Pujing Chemical. Applied Petrochemical Research, 2(1–2), 23–26.

Metcalf dan Eddy, 2003, "Wastewater Engineering Treatment and Reuse", 4th ed.,Mc Graw Hill Companies, Inc., Hongkong

Methane. Chemical Engineering Research and Design. Elsevier. Green, D.W., and Perry, R.H. 2008. Perry's Chemical Engineering Handbook, 8th Ed. New York. McGraw-Hill Book Company.

MLA. Perry's Chemical Engineers' Handbook. New York :McGraw-Hill, 1984. Print. APA.

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

Oliveira, E. L. G., Grande, C. A. and Rodrigues, A. E. (2009) 'Steam methane reforming in a Ni/Al2O3 Catalyst: Kinetics and diffusional limitations in extrudates', Canadian Journal of Chemical Engineering, 87(6), pp. 945–956. doi: 10.1002/cjce.20223.

Olsbye, U., Wurzel, T. and Mleczko, L. (1997) 'Kinetic and Reaction Engineering Studies of Dry Reforming of Methane over a Ni/La/Al 2 O 3 Catalyst', Industrial & Engineering Chemistry Research, 36(12), pp. 5180–5188. doi: 10.1021/ie970246l.

Alfapetra Meisky Astawan
Ardian Fauzi
Sangga Hadi Pratama

Pei, Peng, Scott F. Korom, Kegang Ling, and Junior Nasah, 2013, *Cost Comparison of Syngas Production from Natural Gas Conversion and Underground Coal Gasification*, Springer, New York.

Perry, R.H. dan Green, D.W., 1987, "Perry's Chemical Engineer's Handbook", 6th ed., Mc Graw Hill Book Co., Singapore.

Powell, S.T., 1954, "Water Conditioning for Industry", 1st ed., Mc Graw Hill Book Co., Tokyo. reactor', International Journal of Hydrogen Energy, 42(5), pp. 2889–2903. doi:10.1016/j.ijhydene.2016.11.093.

Science Lab Catalogue. Material Safety Data Shee (MSDS) Full Catalogue https://www.sciencelab.com/page/S/CTGY/10403, accessed on May 9th 2018.

ScienceLab, 2017, 1,2-ethanediol Material and Safety Data Sheet, http://www.sciencelab.com/msds.php?msdsId=9927167 (diakses 5 November 2017)

Treybal, R.E., 1975, "Mass Transfer Operation", 3rd ed., pp. 189-210; 252-261, McGraw-Hill Book Company, Singapore.

Ullman's Encyclopedia of Industrial Chemistry 6th ed.Vol 1 p. V8 81. Federal Republic of Germany: Wiley-VCH Verlag GmbH & Co.

Van Der Vaart, D. R., et al. 1995. *Thermal and Catalytic Incinerators*. U.S. Environmental Protection Agency. Research Triangle Park NC 27711.

Washington State Department of Health. 2010. "How to Handle Chlorine Gas Safely". DOH 331-364.

Yaws, C.L., 1999, *Chemical Properties Handbook Physical, Thermodynamic, Enviromental, Transport, Safety, and Health Related Properties For Organic and Inorganic Chemicals,* Mc Graw Hill Book Companies, Inc., New York.

Yu, B. Y., & Chien, I. L. (2017). Design and optimization of dimethyl oxalate (DMO) hydrogenation process to produce ethylene glycol (EG). Chemical Engineering Research and Design, 121, 173–190.

Yue, H., Zhao, Y., Ma, X., and Gong, J., 2012, Ethylene glycol: properties, synthesis, and applications, Chem.Soc. Rev., Vol. 41, 4218-4244

Alfapetra Meisky Astawan
Ardian Fauzi
Sangga Hadi Pratama