

DAFTAR PUSTAKA

- Analisis Dampak Lingkungan Hidup (ANDAL) Kegiatan Terpadu Proyek Pengembangan Tangguh LNG SKK migas
- Arab Aboosadi, Z., Jahanmiri, A. H. and Rahimpour, M. R. (2011) ‘Optimization of tri-reformer reactor to produce synthesis gas for methanol production using differential evolution (DE) method’, *Applied Energy*. Elsevier Ltd, 88(8), pp. 2691–2701. doi: 10.1016/j.apenergy.2011.02.017.
- Arch Chemical, Inc. 1999. *Safety and Handling of Hydrazine Solution*. Washington DC.
- Aries, R. S., and Newton, R. D., 1955, *Chemical Engineering Cost Estimation*, McGraw-Hill, New York.
- Arora, S. and Prasad, R. (2016) ‘An overview on dry reforming of methane: Strategies to reduce carbonaceous deactivation of catalysts’, *RSC Advances*, 6(110), pp. 108668–108688. doi: 10.1039/c6ra20450c.
- Badan Kependudukan dan Keluarga Berencana Nasional (2011). *Database Jumlah Kepala Keluarga dan Jumlah Jiwa dalam Keluarga Menurut Jenis Kelamin Berdasarkan Tahapan*. Diakses pada tanggal 11 April 2019 dari <http://aplikasi.bkkbn.go.id/mdk/MDKReports/Kependudukan/>
- Badan Meteorologi, Klimatologi, dan Geofisika (2019). *Prakiraan Cuaca Kota Bontang*. Diakses pada tanggal 11 April 2019 dari <https://www.bmkg.go.id/>
- Carbo, M. C. *et al.* (2009) ‘Staged water-gas shift configuration: Key to efficiency penalty reduction during pre-combustion decarbonisation in IGCC’, *Energy Procedia*. Elsevier, 1(1), pp. 661–668. doi: 10.1016/j.egypro.2009.01.087.
- Cengel, A. Yunus & Boles, A. Michael. 2015. “Thermodynamics : An Engineering Approach, Fourth Edition”, McGraw-Hill, New York 2002



- Chandrasekhar, K., Lee, Y. J. and Lee, D. W. (2015) 'Biohydrogen production: Strategies to improve process efficiency through microbial routes', *International Journal of Molecular Sciences*, 16(4), pp. 8266–8293. doi: 10.3390/ijms16048266.
- Chein, R. Y., Yu, C. T. and Wang, C. C. (2016) 'Numerical simulation on the effect of operating conditions and syngas compositions for synthetic natural gas production via methanation reaction', *Fuel*. Elsevier Ltd, 185, pp. 394–409. doi: 10.1016/j.fuel.2016.07.123.
- Couper, J. R., Penney, W. R., Fair, J. R., & Walas, S. M. (2012). "Chemical Process Equipment Selection and Design Third Edition". Oxford: Elsevier Inc.
- Crowl, D.A, Louvar, J.F. 2002. *Chemical Process Safety*. Prentice Hall. New Jersey.
- dos Santos, K. G. *et al.* (2017) 'Hydrogen production in the electrolysis of water in Brazil, a review', *Renewable and Sustainable Energy Reviews*. Elsevier, 68(July 2016), pp. 563–571. doi: 10.1016/j.rser.2016.09.128.
- Dybkjaer, I. (1995) 'Tubular reforming and autothermal reforming of natural gas - an overview of available processes', *Fuel Processing Technology*, 42(2–3), pp. 85–107. doi: 10.1016/0378-3820(94)00099-F.
- Ebshish, A. *et al.* (2014) 'Investigation of the process conditions for hydrogen production by steam reforming of glycerol over Ni/Al₂O₃ catalyst using response surface methodology (RSM)', *Materials*, 7(3), pp. 2257–2272. doi: 10.3390/ma7032257.
- European Commission. 2006. "Emission from Storage". Best Available Techniques Document.
- Ferreira-Aparicio, P., Benito, M. J. and Sanz, J. L. (2005) 'New trends in reforming technologies: From hydrogen industrial plants to multifuel microreformers', *Catalysis Reviews - Science and Engineering*, 47(4), pp. 491–588. doi: 10.1080/01614940500364958.



Furniss, B. S., Hannaford, A. J., Smith, P. W., & Tatchell., A. R. (1989). *Vogel's Textbook of Practical Organic Chemistry* (5th ed.). England: John Wiley & Sons, Inc. <https://doi.org/10.1002/pola.1991.080290821>

Herwijnen, T. Van (1973) 'On The Kinetics And Mechanism of the CO-Shift Conversion on a Copper/ZESrC Oxide Catalyst', pp. 1–158.

<http://matche.com>, diakses pada tanggal 22 Mei 2019.

<http://www.mhhe.com>, diakses pada tanggal 22 Mei 2019.

<http://www.bi.go.id>, diakses pada tanggal 22 Mei 2019.

Izquierdo, U. *et al.* (2013) 'Tri-reforming: A new biogas process for synthesis gas and hydrogen production', *International Journal of Hydrogen Energy*, 38(18), pp. 7623–7631. doi: 10.1016/j.ijhydene.2012.09.107.

J, B. S. R., Loganathan, M. and Shantha, M. S. (2010) 'International Journal of Chemical Reactor Engineering : A Review of the Water Gas Shift Reaction Kinetics', 8.

Karthic, P. and Joseph, S. (2014) 'Comparison and Limitations of Biohydrogen Production Processes Comparison and Limitations of Biohydrogen Production Processes', (May 2012).

Kelompok Teknologi Pengelolaan Air Bersih dan Limbah Cair (1995). *Database Debit Aliran Sungai di Indonesia*. Diakses tanggal 11 April 2019 dari <http://www.kelair.bppt.go.id/>

Kementerian Pekerjaan Umum dan Perumahan Rakyat (6 Maret 2007). *Pemakaian Air Rumah Tangga Perkotaan 144 Liter per Hari*. Diakses pada tanggal 11 April 2019 dari <https://www.pu.go.id/berita/view>

Kern, D.Q., 1965, "Process Heat Transfer", Int.ed., p. 102-160, New York, McGraw-Hill Book Company.

Lakhani, P. (2018) 'Reforming Techniques in Chemical Industries-An Overview to



Reforming Techniques', (February).

Maloney, J. O. (2007) *Conversion factors and mathematical symbols, Perrys' Chem. Eng. Handb.* doi: 10.1036/0071511245.

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

Newsome, D. S. (1988) 'The water-gas shift reaction', *Applied Catalysis*, 45(2), p. 359. doi: 10.1080/03602458008067535.

Ohio University (Januari 2008). *P-h Diagram for Water*. Diakses pada tanggal 11 April 2019 dari <https://www.ohio.edu/mechanical>.

Pakowski, Z., & Mujumdar, A. S. (2014). Drying of pharmaceutical products. *Handbook of Industrial Drying, Fourth Edition*, (January), 681–702. <https://doi.org/10.1201/b17208>

Peraturan Menteri Negara Lingkungan Hidup No. 03 Tahun 2010 tentang Baku Mutu Air Limbah bagi Kawasan Industri

Peraturan Pemerintah Republik Indonesia No. 41 Tahun 1999 tentang Pengendalian Pencemaran Udara

Perry, R.H., 1999, "Perry's Chemical Engineer's Handbook", 7 ed., p. 2.37-2.38, New York, McGraw-Hill Book Company.

Peters, M. S., and Timmerhaus, K. D., 1991, *Plant Design and Economics for Chemical Engineers*, 4th ed., McGraw-Hill, Singapore.

Pino, L. *et al.* (2011) 'Hydrogen production by methane tri-reforming process over Ni-ceria catalysts: Effect of La-doping', *Applied Catalysis B: Environmental*. Elsevier B.V., 104(1–2), pp. 64–73. doi: 10.1016/j.apcatb.2011.02.027.

Powell, S.T., 1954, "Water Conditioning for Industry", 1st ed., Mc Graw Hill Book Co., Tokyo.



PT Cipta Teknik Abadi (2018). *Cooling Tower*. Diakses pada tanggal 11 April 2019 dari <https://www.ptcta.com/coolingtower/>

Ramachandran, R. A. M. (1998) '1998-RamachandranMenon-An overview of industrial uses of hydrogen.pdf', 23(7), pp. 593–598. doi: 10.1016/S0360-3199(97)00112-2.

Rönsch, S. *et al.* (2016) 'Review on methanation - From fundamentals to current projects', *Fuel*. Elsevier Ltd, 166, pp. 276–296. doi: 10.1016/j.fuel.2015.10.111.

Rostrup-Nielsen, J. R. and Rostrup-Nielsen, T. (2002) 'Large-scale hydrogen production', *Cattech*, 6(4), pp. 150–159. doi: 10.1023/A:1020163012266.

Samuel H. Yalkowsky, Y. H. (2013). *Handbook of Aqueous Solubility Data*. 日本畜産学会報 (Vol. 84). Retrieved from <http://ir.obihiro.ac.jp/dspace/handle/10322/3933>

Sinnott, R. K., 1983, "Coulson & Richardson's Chemical Engineering Series : Chemical Engineering Design", Chemical Engineering vol. 6 4th ed., Elsevier Butterworth-Heinemann, Oxford.

Song, C. and Pan, W. (2004) 'Tri-reforming of methane: A novel concept for catalytic production of industrially useful synthesis gas with desired H₂/CO ratios', *Catalysis Today*, 98(4), pp. 463–484. doi: 10.1016/j.cattod.2004.09.054.

Teuner, S. C., Neumann, P. and Von Linde, F. (2001) 'CO through CO₂ reforming The Calcor standard and Calcor economy processes', *Oil Gas European Magazine*, 27(3), pp. 44–46.

Treybal, R.E., 1981, "Mass-Transfer Operations", Int.ed., p. 139-210, Singapore, McGraw-Hill Book Company.

Valladares, M.-R. de (2017) 'Global Trends and Outlook for Hydrogen', *IEA Hydrogen*, (December), p. 20. Available at:



papers3://publication/uuid/597C5269-F72C-40FB-8D59-55DDC5FC5665.

Vannier, D. (2011) 'Kinetic study of high temperature water gas shift reaction', (June).

Walker, D. M. *et al.* (2012) 'Synthesis gas production to desired hydrogen to carbon monoxide ratios by tri-reforming of methane using Ni-MgO-(Ce,Zr)O₂ catalysts', *Applied Catalysis A: General*. Elsevier B.V., 445–446, pp. 61–68. doi: 10.1016/j.apcata.2012.08.015.

White, G. A. and Roszkowski, T. R. (1975) 'The RM Process', *Methanation of Synthesis Gas*, 146, pp. 138–148. doi: 10.1021/ba-1975-0146.

Zarei, E., Jafari, M. J. and Mohammadfam, I. (2006) 'Analysis and Simulation of Severe Accidents in a Steam Methane Reforming Plant', 6(January), pp. 120–130. doi: 10.1016/0016-7037(92)90135-6.

Zhu, M. (2017) 'Rational Design of High Temperature Water-Gas Shift Catalysts with Non-Toxic Earth-Abundant Elements Rational Design of High Temperature Water-Gas'.

Yaws, C.L., 1999, "The Yaws Handbook of Vapor Pressure : Antoine Coefficients", p.80-534. Oxford, Elsevier.

Young, E.H., and Brownell, L. E., 1979, *Process Equipment Design*, John Wiley and Sons, Inc., New York. Evans, F. L., 1980, "Equipment Design Handbook", Gulf Publishing Company, Tokyo.