

DAFTAR PUSTAKA

- 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.
- American Chemical Society, 1987, "Key Chemicals, Toluene Diisocyanate.", *Chemical and Engineering News*, Vol: 65, 12.
- Brown, G.G., 1961, "Modern Asia Edition: Unit Operation", p 481, Charles E. Tuttle Co., Tokyo.
- Bhutani S. K. and Haven W., 1976, "Hydrogenation of dinitrotoluene to toluene diamine", U.S. Patent No: 3,935,264.
- Brower, M.E., W.C. Roberts, W.R. Hartley, and C. Abernathy., 1994, "2,4- and 2,6-Dinitrotoluene (DNT).", *Drinking Water Health Advisory: Munitions II*, USEPA Office of Drinking Water Health Advisories, 39-151.
- Carlton, G. S., 1918, "Trinitrotoluenes and Mono and Dinitrotoluenes: Their Manufacture And Properties.", Kessinger Publishing, LLC.
- Fogler, H.S., 1999, "Elements of Chemical Reaction Engineering", pp 10-20, 786, Prentice Hall, Inc., New Jersey.
- Foust, A.S., 1980, "Principles of Unit Operation", 2nd ed, pp 15, 19-24, John Wiley and Sons, New York.
- Hartaya, Kendra, 2010, "Majalah Sains dan Teknologi Dirgantara", Vol.5, No.3, Hlm. 118 – 125.
- Hecht, A., 1978, "Hair dyes, a look at safety and regulation.", FDA Consumer.
- IARC, 1978, "IARC monographs on the evaluation of the carcinogenic risk of chemicals to man: some aromatic amines and related nitro compounds, hair dyes, colouring agents and miscellaneous industrial chemicals", IARC Monograph 16, 83-95.
- Janssen H. J., Kruithof A. J., Steghuis G. J., and Westerterp K. R., 1990, "[Kinetics of the catalytic hydrogenation of 2, 4-dinitrotoluene. 1. Experiments](#),"

[reaction scheme, and catalyst activity](#)”, Ind. Eng. Chem. Res., Vol: 29, 754-766.

Kirk, R.E., and Othmer, D.F., 1981, “Encyclopedia of Chemical Technology”, vol.15 3rd Edition pp. 919, John Wiley and Sons, Inc., New York.

Massel R. and Smith D., 2013, “Toluenediamine Production through Hydrogenation in Methanol Solvent”, Department of Chemical Engineering, Lehigh University.

McKetta, J.J., and Cunningham, W.A., 1990, “Encyclopedia of Chemical Processing and Design”, pp.165-182, Marcel Dekker, Inc., New York.

Peters, M. S. and Timmerhaus, K. D., 1991, *Plant Design and Economics for Chemical Engineers*, 4th ed., pp. 150-209; 618-686; 708-713, McGraw-Hill Book Company, Inc., New York.

Sinnott, R.K., 2005, “Coulson and Richardson’s Chemical Engineering Design”, 4th ed., vol. 6, pp. 426 – 447, 634-793, Elsevier Butterworth-Heinemann, Oxford.

Speight, J.G., 2002, “Chemical and Process Design Handbook”, p 2.356, McGraw-Hill, New York.

Ulrich, G. D., 1984, *A Guide to Chemical Engineering Process Design and Economics*, pp. 324-329, John Wiley and Sons, Inc., New York.

U.S. Environmental Protection Agency, 1986, “Health and Environmental Effect Profile for 2,4-Toluenediamine.”, Environmental Criteria and Assessment Office, Office of Health and Environmental Assessment, Office of Research and Development, Cincinnati, OH.

Vedage, Ananda G., 1999, “Hydrogenation of Meta-Toluenediamine”, U.S. Patent No: 5,973,206.

Wegener et al, 2002, “Raney Nickel Catalysts, A Method for Producing Said Raney Nickel Catalysts and The Use of The Same for Hydrogenating Organic Compounds.”, U.S. Patent No: 6,395,934.

- www.chemnet.com/cas/en/9009-54-5/polyurethane-foam.html diakses pada tanggal 24 November 2014, 19.05
- www.id.airliquide.com/id/who-we-are/tentang-air-liquide-indonesia.html diakses pada 24 November 2014, 17.29
- www.google.com/webhp?sourceid=chrome-instant&ion=1&espv=2&ie=UTF-8#q=industry%20toluene%20diamine%20capacity diakses pada tanggal 24 November 2014, 17.40
- www.cdc.gov/niosh/docs/90-101/ diakses pada tanggal 24 November 2014, 17.51
- www.chemicals-technology.com/projects/bayermaterialsscience/ diakses pada tanggal 24 November 2014, 19:37
- http://repository.upenn.edu/cgi/viewcontent.cgi?article=1015&context=cbe_sdr diakses pada tanggal 24 November 2014, 17.30
- http://perpustakaan.bappenas.go.id/lontar/file?file=digital/125150-%5B_Konten_%5D-Konten%20C8647.pdf diakses pada tanggal 24 November 2014, 18.20
- www.xstchem.en.made-in-china.com/product/doAJXCcuXrpi/China-Meta-Toluenediamine-Industrial-Grade-.html diakses pada tanggal 25 November 2014, 7.29
- www.pharmaceutical-industry.info/modules/pharmaceutical_projects/projects_bayer_ag_vup25caxxpyzc545ek3sme45.html diakses pada tanggal 25 November 2014, 7.31
- www.ciechgroup.com/EN/Media/PressReleases/Pages/Air_Products_and_the_Ciech_Chemical_Group_signed_contract_for_the_supply_of_TDA.aspx diakses pada tanggal 25 November 2014, 7.44
- www.chemchina.com.cn/en/xwymt/hyxw/webinfo/2011/07/1339396718555836.htm diakses pada tanggal 25 November 2014, 8.00
- www.kimteks.com.tr/en-US/polyurethane-systems-general-information/1406/Page.aspx diakses pada tanggal 26 November 2014, 5.34
- www.chemicals-technology.com/news/newsbayer-materialscience-to-boost-thermoplastic-polyurethane-production-in-india-4367990 diakses pada tanggal 26 November 2014, 5.37

<http://en.wikipedia.org/wiki/2,4-Dinitrotoluene> diakses pada tanggal 26

November 2014, 19.50

www.sigmaaldrich.com/MSDS/MSDS/DisplayMSDSPage.do?country=ID&language=en&productNumber=101915&brand=ALDRICH&PageToGoToURL=http%3A%2F%2Fwww.sigmaaldrich.com%2Fcatalog%2Fproduct%2Faldrich%2F101915%3Flang%3Den diakses pada tanggal 26 November 2014,

20.18

<http://id.wikipedia.org/wiki/Hidrogen> diakses pada tanggal 26 November 2014,

21.01

<https://www.google.co.id/maps/@-5.9493235,106.0333676,12z?hl=en> diakses pada tanggal 1 desember 2014, 09.39

<http://www.cmaiglobal.com/marketing/samples/> diakses pada 8 Juni 2015 pukul 11.00 WIB

<http://matche.com/equipcost/> , diakses pada tanggal 5 Juni 2015 pukul 20.00 WIB.

<http://www.mhhe.com/engcs/chemical/peters/data/ce.html>, diakses pada tanggal 9 Juni 2015 pukul 14.30 WIB.

<http://www.molbase.com/en/> diakses pada tanggal 6 Juni 2015 pukul 14.00 WIB.

<http://www.molbase.com/en/> diakses pada 6 Juni 2015 pukul 21.00 WIB,