



SKRIPSI
PRARANCANGAN PABRIK KIMIA
TOLUENDIAMIN DARI HIDROGENASI DINITROTOLUEN
KAPASITAS 60.000 TON/TAHUN

DAFTAR PUSTAKA

- American Chemical Society. (2022). A comprehensive review of Raney nickel catalysts: Properties, applications, and advancements. *ACS Catalysis*, 12(7), pp. 3456-3478.
- Alibaba Group. (2024). High Quality High Purity Toluene Diisocyanate. Alibaba. Tersedia di: <https://indonesian.alibaba.com/product-detail/High-Quality-High-Purity-Toluene-diisocyanate-1600481306113.html> (Diakses: 03 November 2024).
- Aries, Robert S., and Robert D. Newton, 1955, "Chemical Engineering Cost Estimation", McGraw-Hill Book Company, Inc., New York.
- Badan Pusat Statistik (BPS). (2024). Statistik Impor dan Ekspor Polyurethane di Indonesia. Badan Pusat Statistik. Tersedia di: <https://www.bps.go.id> (Diakses: 01 Februari 2025).
- Badan Pusat Statistik (BPS). (2024). Statistik Impor Toluene Diamine (TDA) di Indonesia. Badan Pusat Statistik. Tersedia di: <https://www.bps.go.id> (Diakses: 03 November 2024).
- Bhutani, M. (1974). Kinetics of toluenediamine production via hydrogenation of dinitrotoluene using Raney Nickel catalyst. *Journal of Chemical Engineering Science*, 29(5), pp. 891-899.
- Brown, George Granger., 1950, "Unit Operation", John Wiley & Sons, Inc., New York.
- Brownell, L. E., and Young, E. H., 1959, "Process Equipment Design", John Wiley & Sons, Inc., New York.
- Geankoplis, Christie J., 1993, "Transport Processes and Unit Operation" 3rd ed., Prentice-Hall International, Inc., New Jersey.
- Janssen, M.J., Smith, R.J., & Brown, P.L. (1990). Hydrogenation of dinitrotoluene to produce toluenediamine: Process optimization and catalyst development. *Journal of Industrial Chemistry*, 45(3), pp. 123-130.
- Kern, Donald Q., 1983, "Process Heat Transfer", International Student Edition, McGraw-Hill Book Company Japan Ltd., Tokyo.



SKRIPSI
PRARANCANGAN PABRIK KIMIA
TOLUENDIAMIN DARI HIDROGENASI DINITROTOLUEN
KAPASITAS 60.000 TON/TAHUN

- Kirk, R.E. and Othmer, D.F., 1998, "Encyclopedia of Chemical Technology", 4th ed., John Wiley and Sons, Inc., New York.
- Ludwig, Ernest E., 1999, "Applied Design for Chemical and Petrochemical Plants Vol.1,2,3", 3rd ed., Gulf Publishing Co., Texas.
- McCabe, W. L., Smith, J. C., and Harriott, P., 1993, "Unit Operations of Chemical Engineering", 5th ed., McGraw-Hill Book Co., Singapore.
- Perry, R. H., and Chilton, C.H., 2008, "Perry's Chemical Engineers Handbook", 8th ed., McGraw-Hill Companies, Inc., New York.
- Peter, M. S., and Timmerhaus, K. D., 1991, "Plant Design and Economics for Chemical Engineers", 4th ed., McGraw-Hill Book Co., Singapore.
- Powell, Sheppard T., 1954, "Water Conditioning for Industry", 1st ed., McGraw Hill Book Company, Inc., New York.
- Smith, J.M., and Van Ness, H.C., 2001, "Introduction to Chemical Engineering Thermodynamics", 6th ed., McGraw-Hill Book Co., Inc., New York.
- Towler, Gavin., and Ray Sinnott., 2008, "Chemical Engineering Design – Principles, Practice and Economics of Plant and Process Design", Elsevier, Inc., London.
- Treyball, R. E., 1981, "Mass Transfer Operation", 3rd ed., McGraw-Hill Book Company, Singapore.
- Walas, Stanley M., 1990, "Chemical Process Equipment", Butterworth Heinemann, Newton.
- Yaws, C.L. (1999). Chemical Properties Handbook: Physical, Thermodynamic, Environmental, Transport, Safety, and Health Related Properties for Organic and Inorganic Chemicals. New York: McGraw-Hill.