



Pra-Rancangan Pabrik

Diethyl Phthalate dari Phthalic Anhydride dan 2-Ethyl Hexanol dengan Katalis Asam Sulfat menggunakan Proses Esterifikasi

DAFTAR PUSTAKA

- Ataman (2020) *Diethyl Phthalate*, *AtamanKimya.com*. Available at: <https://atamankimya.com/sayfalar.asp?LanguageID=2&cid=3&id=2565&id2=10453> (Accessed: 4 January 2025).
- Badan Pusat Statistika (2024), (<https://www.bps.go.id>), Diakses pada tanggal 12 Desember 2024 pada pukul 15.00 WIB
- Badan Pusat Statistik (2024) Upah Minimum Kabupaten/Kota di Jawa Timur (Rupiah) 2022-2024, <https://probolinggokab.bps.go.id/indikator/19/288/1/upah-minimumkabupaten-kota-di-jawa-timur.html>, Diakses pada tanggal 25 Februari 2025.
- Badan Standarisasi Nasional (2015) Air Demineral, Badan Standardisasi Nasional Indonesia, Jakarta
- Badger, W.L., and Banchero, J.T., 1955, *Introduction to Chemical Engineering*, 1st ed, McGraw-Hill Book Company Inc, N.Y.
- Brownell, L.E. Young. (1959). *Process Equipment Design*. John Wiley & Sons Inc., N.Y.
- CEPCI (2024), *Plant Cost Index*, diakses 20 Juli 2024 pukul 20.18 WIB, <https://www.chemengoline.com/site/plant-cost-index/>
- Faith, Keyes and Clark, (1963), *Industrial Chemicals*, Fourth edition. John Wiley and Sons, Inc, New York.
- Goodwin A D (2000), *Plasticizers*. Basic Chemicals and Intermediates Technology Texas: Exxon Chemical Company
- Geankoplis, C.J. (1983). *Transport Processes and Unit Operations* 2ed. Allyn and Bacon Inc. Boston
- Hesse, H.C., (1962), *Process Equipment Design*, 8th print, Van Nostrand Reinhold Company Inc., New Jersey.
- Himmelblau, D M, (1989), *Basic Principles and Calculation in Chemical Engineering*, 5^{ed}, Prentice-Hall International, Singapore.



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- JIPE (2024) Java Integrated Industrial and Ports Estate Kawasan Ekonomi Khusus, Gresik, East-Java - Indonesia, <https://www.jiipe.com/>, Diakses pada tanggal 10 Mei 2024
- Joshi ,M.V., (1976) , *Proses Equipment Design*, McGraw Hill Company Ltd.
- Kern,D.Q., (1965) , *Process Heat Transfer*, In ted , McGraw Hill Book Company Inc. ,N.Y.
- Kemenperin. 2024. Daftar Inventarisasi Barang/ Jasa Produksi dalam Negeri. Retrieved from : tkdn.kemenperin.go.id
- Kirk R.E. and Othmer, D.F. (2007), *Encyclopedia of Chemical Technology*, vol.4, 2nd edition, A Willey Interscience Publication, John Wiley and Sons Co., New York.
- Lamb J.C. (1985) *Water Quality And Its Control*. John Wiley & Sons, Inc, New York
- Ludwig (1977) , *Applied Process Design for Chemical and Petrochemical Plants* , Vol. 1-2 , 2nd ed , Gulf Publishing Co. Houston , Texas. Wiley & Sons, Inc.
- Li, H. *et al.* (2007) ‘Synthesis of dioctyl phthalate using acid functionalized ionic liquid as catalyst’, *Catalysis Communications*, 8(11), pp. 1759–1762.
- McCabe ,W L (1993) , *Unit Operation of Chemical Engineering* , 5th ed . Int. ed , McGraw-Hill Inc. , New York.
- Perry, R. H. (2019), *Perry's Chemical Engineers Hand Book Ninth Edition*. McGrawHill. New York.
- Perry, R. H. (2007), *Perry's Chemical Engineers Hand Book seventh Edition*. McGrawHill. New York.
- Setiyowati, P.A.I., Bukhori, F.N.F.P. and Ramadani, A.H. (202) ‘Analisis Kelimpahan dan Karakteristik Mikroplastik pada Perairan Hilir Sungai Bengawan Solo’, *BEST Journal (Biology Education, Sains and Technology)*, 7(1), pp. 317–323. Available at: <https://jurnaltest.uisu.ac.id/index.php/best/article/view/8632>.
- Severn ,W H (1954) , *Steam , Air , and Gas Power* , Modern Engineering Asia Edition , John Willey & Sons Inc., New York.
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Dioctyl Phthalate dari Phthalic Anhydride dan 2-Ethyl Hexanol dengan Katalis Asam Sulfat menggunakan Proses Esterifikasi

- Sherwood, T (1977), *The Properties of Gasses and Liquid*, 3th ed, McGraw Hill Book Company Inc, Singapore
- Skrzypek, J. *et al.* (1994) 'Kinetics of the esterification of phthalic anhydride with 2-ethylhexanol. I. Sulfuric acid as a catalyst', *Chemical Engineering and Processing*, 33(6), pp. 413–418.
- Thorat, T.S., Yadav, V.M. and Yadav, G.D. (1992) 'Esterification of phthalic anhydride with 2-ethylhexanol by solid superacidic catalysts', *Applied Catalysis A, General*, 90(2), pp. 73–96.
- Ullmann (2002). *Ullmann's Encyclopedia of Industry Chemistry 5th Edition*. Weinheim: Wiley -Vch. Verlag GmbH & co. KgaA. Germany.
- Ulrich, G.D., (1984), *A Guide to Chemical Engineering Process Design and Economics*, John Willey & Sons Inc., New York
- Van Ness, H.C., Smith, J.M., (1987), *Introduction to Chemical Engineering Thermodynamics, 5ed*, McGraw-Hill Book Company, New York.
- Wallace, D. R. (2005). *Dibutyl phthalate*. In *Encyclopedia of Toxicology* (pp. 1-2).
- Winkle, Matthew V (1967), *Distillation*, Mc Graw Hill Book Co, Inc, United States of America.
- Yaws, Carl L., (1999), *Chemical Properties Handbook*, Mc Graw Hill Book Co, Inc, United States of America