

DAFTAR PUSTAKA

- Anonim. (2009). *Safety Data Sheet Biphenyl-92-52-4*. www.ThermoFisher.com.
- Anonim. (2010). *Safety Data Sheet P-Terphenyl-92-94-4l*. www.ThermoFisher.com.
- Anonim. (2020). *Safety Data Sheet Benzene-001062*. www.airgas.com.
- Anonim. (2020). *Safety Data Sheet Hydrogen-001026*. www.airgas.com.
- Anonim. (2021). *Safety Data Sheet Benzene-100000068511*. www.CPChem.com.
- Anonim. (2023). *Chemical Safety Data Sheet Benzene (MSDS)-71-43-2*. www.chemicalbook.com.
- Anonim. (2023). *Efficient and Reliable: The Advantages Pumps*. www.avaet.com.
- Anonim. (2023). *Safety Data Sheet Biphenyl-92-52-4*. www.sigmaaldrich.com.
- Anonim. (2023). *Chemical Safety Data Sheet Hydrogen (MSDS)-1333-74-0*. www.chemicalbook.com.
- Ahuja, K., Bayas. S. (2022, January). *Global Biphenyl Market Size, Share and Industry Analysis Report by Type (Crude Oil Biphenyl, Coal Tar Biphenyl, Natural Gas Biphenyl) and Application (Dyestuff Carrier for Textiles, Food & Beverages, Fungicide, Heat Transfer Fluids, Chemicals Intermediate, Solvents for Pharmaceutical Production), Regional Outlook, Application Development Potential, Competitive Market Share & Forecast, 2021 – 2027*. <https://www.gminsights.com/industry-analysis/global-biphenyl-market>
- Anonymous. (2023). *Iklim dan Cuaca Rata-rata Sepanjang Tahun di Tuban*. <https://id.weatherspark.com/y/125009/Cuaca-Rata-rata-pada-bulan-in-Tuban-Indonesia-Sepanjang-Tahun>.
- Anonymous. (2023, March). *Benzene in Indonesia*. <https://oec.world/en/profile/bilateral-product/benzene/reporter/idn#subnational-data>.
- Aries, R., & Newton, R. (1955). *Chemical Engineering Cost Estimation* (pp. 1–263). McGraw-Hill Education.
- Branan. C. (2002). *Rules of Thumb for Chemical Engineers* (Third Edition). New York: Elsevier Butterworth Heineman.
- Bernotat, S., Schonert, K. (2012). Size Reduction. *Ullmann's Encyclopedia of Industrial Chemistry*, 33, 159-198.
- Brown, G. G. (1950). *Unit Operation*. John Wiley & Sons.
- Brown. G.B. (1978). *Unit Operations*. New York: John Wiley & Sons, Inc.
- Brownell, L. E., Young, E. H. (1959). *Equipment Design*. John Wiley & Sons: New York.
- BPS Kementerian Perindustrian Republik Indonesia. (2016). *Perkembangan Impor Kelompok Kimia Dasar Organik Yang Bersumber Dari Minyak*. <https://kemenperin.go.id/statistik/barang.php?ekspor=&kode=202020005>
- Candra Wijaya, D., & Rifa'i, M. (2016). Dasar Dasar Manajemen Mengoptimalkan Pengelolaan Organisasi Secara Efektif dan Efisien. In *Perdana*.

- <http://repository.uinsu.ac.id/2836/>
- Carberry. J.J., Fair. J.R., Peters. M.S., Schowalter. W.R., Wei. J. (1981). *Mass-Transfer Operations*. Singapore: McGraw-Hill.
- Coulson, J.M., Richardson, J.S., Sinnott, R.K. (1983). *Chemical engineering: an introduction to chemical engineering design (Volume 6)*. Oxford: Pergamon Press.
- Couper, J.R., Penney, W.R., Fair. J.R., Walas, S.M. (2012). *Chemical Process Equipment*. Oxford: Elsevier.
- Crowl, Daniel A. dan Louvar, Joseph F. (2002). *Chemical Process Safety*. Upper Saddle River : Prentice Hall Inc.
- Darrien. M., Malmaison. R., Cosyns. J., Maule. *PROCESS FOR PRODUCING BENZENE BY HYDRODEALKYLATION OF A HYDROCARBON FRACTION COMPRISING ALKYL-AROMATIC HYDROCARBONS, OLEFINIC HYDROCARBONS AND SULFUR COMPOUNDS*. United State. (Patent No. 4,463,206). July 31, 1984.
- Dasgupta, R., & Maiti, B. R. (1986). Thermal dehydrocondensation of benzene to diphenyl in a nonisothermal flow reactor. *Industrial & Engineering Chemistry Process Design and Development*, 25(2), 381–386. doi:10.1021/i200033a007
- Dey, A. K. *What is a Reboiler? Types and Selection of Reboilers*. www.whatispiping.com.
- Dey, A. K. *Plate Tower vs Packed Tower: Selection, Differences, Advantages, and Disadvantages*. www.whatispiping.com.
- Drysdale, L.M., Poulsen, P.B., Stardesen, M. (2015). *Survey of Biphenyl (CAS no. 92-52-4)*. The Danish Environmental Protection Agency Strandgade: Copenhagen.
- ECHA. (2014). *C&L Inventory database*. Available at: <http://echa.europa.eu/web/guest/informationon-chemicals/cl-inventory-database>
- Eigenberger, G., 1992, "Ullmann's Encyclopedia of Industrial Chemistry", Volume B.4., p.199-236., Stuttgart, VCH Publishers, Inc.
- Evans. F.L. (1980). *Equipment Design Handbook: for Refineries and Chemical Plants* (Second Edition). New York: Gulf Publishing Company.
- Fadlillah, M. N. (2021). *Laporan Eksekutif Keadaan Angkatan Kerja Kabupaten Tuban 2021*. <https://tubankab.bps.go.id/publication/2021/12/28/61cb78996b4212e4f08f5dc7/laporan-eksekutif-keadaan-angkatan-kerja-kabupaten-tuban-2021.html>
- Fanta, P. E. (1946). The Ullmann Synthesis of Biaryls. *Chemical Reviews*, 38(1), 139–196. doi:10.1021/cr60119a004
- Froment, G. F., Bischoff, K. B. (1979). *Chemical Reactor Analysis and Design*. John Wiley & Sons: New York.
- Global Asset Protection Services LLC. (2015). *GAPS Guidelines: Oil and Chemical Plant Layout and Spacing*, 1–13.
- Hall, S. M. (2018). *Rules of Thumb for Chemical Engineers* (Sixth Edition). New York: Elsevier Butterworth Heineman

- Herman, Alexis M. (2000). *Process Safety Management*. Accessed May 21, 2020. Retrieved from <https://www.osha.gov/Publications/OSHA3132.html#psi>.
- Holman, J.P. (2010) Heat Transfer. 10th Edition, McGraw-Hill, New York.
- International Organization for Standardization (ISO). (2010). *ISO 14001 Environmental Management Systems*. Switzerland. ISO/ITC
- Jain, Zenish J., Paraag S. Gide, and Rani S. Kankate. 2013. Biphenyls and Their Derivatives as Synthetically and Pharmacologically Important Aromatic Structural Moieties. *Arabian Journal of Chemistry*. Accessed Mei 2023. doi:DOI: 10.1016/j.arabjc.2013.07.035.
- Kern, D. Q. (1965). *Process Heat Transfer*. McGraw-Hill Book Company. Japan
- Kern, D.Q. (1983). *Process Heat Transfer* (International Student Edition). Tokyo: McGraw-Hill.
- Kirk, R. E., Othmer, D. F., Grayson, M., & Eckroth, D. (1985). *Kirk-Othmer Concise encyclopedia of chemical technology*. New York: Wiley.
- Kunii, D., & Levenspiel, O. (1991). Fluidization Engineering. 2nd Edition. In *Series in Chemical Engineering*. Butterworth-Heinemann, Boston. [https://doi.org/10.1016/0032-5910\(93\)87011-c](https://doi.org/10.1016/0032-5910(93)87011-c)
- Lenntech. (2016). “Desalination Pretreatment: Dechlorination”. <https://www.lenntech.com/processes/desalination/pretreatment/pretreatment/dechlorination.htm>. Diakses pada 20 November 2023.
- Lestari, R. (2021, Dec 24). *Tuban Petro Genjot Kapasitas Produksi Paraxylene dan Benzene*. <https://ekonomi.bisnis.com/read/20211224/257/1481395/tubanpetro-genjot-kapasitas-produksi-paraxylene-dan-benzene>
- Levenspiel. (1999). *Chemical Reaction Engineering (Third Edition)*. John Wiley & Sons: New York.
- Levenspiel, O. (1999). *Chemical Reaction Engineering* (W. Anderson & K. Santor (eds.); 3rd ed.). John Wiley & Sons, Inc. [https://doi.org/10.1016/0009-2509\(80\)80138-2](https://doi.org/10.1016/0009-2509(80)80138-2)
- McGlinchey, D. (2008) *Bulk Solids Handling*. Oxford: Blackwell Publishing
- Meier, G. B., Weickert, G., & Van Swaaij, W. P. M. (2001). Gas-phase polymerization of propylene: Reaction kinetics and molecular weight distribution. *Journal of Polymer Science, Part A: Polymer Chemistry*, 39(4), 500–513. [https://doi.org/10.1002/1099-0518\(20010215\)39:4<500::AID-POLA1019>3.0.CO;2-S](https://doi.org/10.1002/1099-0518(20010215)39:4<500::AID-POLA1019>3.0.CO;2-S)
- Metcalf, & Eddy. (2003). Wastewater Engineering Treatment and Resource Recovery. In *Environmentally Conscious Materials and Chemicals Processing* (5th ed.). McGraw-Hill Education. <https://doi.org/10.1002/9780470168219.ch8>
- Meylan, William M., and Phillip H. Howard. (1977). *Chemical Market Input/Output Analysis of Selected Chemical Substances to Assess Sources of Environmental Contamination Task II: Biphenyl and Diphenyl Oxide*. Washington. Accessed Mei 2023. <https://nepis.epa.gov/Exe/ZyPDF.cgi/91012GZW.PDF?Dockey=91012GZW.PDF>.

- Moran, S., Henkei, K. D. (2016). Reactor Types and Their Industrial Applications. *Ullmann's Encyclopedia of Industrial Chemistry*, 1-49.
- Material Safety Data Sheet
- Myers, P. (1997) *Aboveground Storage Tanks*. New York: McGraw-Hill
- National Center for Biotechnology Information. (2023). *PubChem Compound Summary for CID 7095, Biphenyl*. Retrieved May 26, 2023 from <https://pubchem.ncbi.nlm.nih.gov/compound/Biphenyl>.
- Newterra. (2014). Deaerators for Industrial Applications Combined Cycle Power Plant – Deaeration. *Robust, High Purity Treatment Systems That Maximize the Efficiency and Lifespan of Your Boiler*, 2–12.
- Occupational Safety and Health Act. (2000). *Process Safety Management*. U.S. Department of Labor.
- Ohki, K., Kowalczyk, L. *Thermal Conductivity of Some Organic Compounds at Their Melting Point*. Urawa City
- Pakpahan, N. S. (1997). Perseroan Terbatas Sebagai Instrumen Kegiatan Ekonomi. *Jurnal Hukum Bisnis Vol. 2/1997*. [https://ditppu.menlhk.go.id/portal/uploads/laporan/1593664790_Permen No. 13 Tahun 2009-Emisi MIGAS_Combine.pdf](https://ditppu.menlhk.go.id/portal/uploads/laporan/1593664790_Permen%20No.%2013%20Tahun%202009-Emisi%20MIGAS_Combine.pdf)
- Poling, B.E., Prausnitz, J.M., O'connell, J.P. (2001). *The Properties of Gases and Liquids* (Fifth Edition). New York: McGraw-Hill.
- Perry, R. (1999). *Perry's Chemical Engineers' handbook* (Seventh Edition). New York: McGraw-Hill
- Perry, R. H., & Green, D. W. (2008). *Perry's Chemical Engineers Handbook 8th Edition* (Vol. 8).
- Peters, & Timmerhaus, K. D. (2002). *Plant design and economics for chemical engineers* (5th ed.). McGraw-Hill Education.
- Powell, S. (1954). *Water Conditioning for Industry*. McGraw-Hill Education.
- Purwosutjipto, H.M.N. (1981). *Pengertian Pokok Hukum Dagang Indonesia: Hukum Pertanggungan*. Djambatan: Banda Aceh.
- Rase, H.F., Holmes, J.R. (1977). *Chemical Reactor Design for Process Plants: Principles and Techniques* (Volume One). New York: John Wiley & Sons, Inc.
- Rase, H.F., Holmes, J.R. (1977). *Chemical Reactor Design for Process Plants: Case Studies and Design Data* (Volume Two). New York: John Wiley & Sons, Inc.
- Regoli, N. (2018). *7 Advantages and Disadvantages of Reciprocating Pump*. www.connectusfund.org.
- Rudiawan, H. (2021). Peranan Manajemen Produksi dalam Menyelaraskan Kinerja Perusahaan. *Jurnal Manajemen FE-UB*, 9(2), 66.
- Saleh, S. N., Ahmed, S. M., Al-Mosuli, D., Barghi, S. (2015). Basic Design Methodology for a Prilling Tower. *The Canadian Journal of Chemical Engineering*, 93, 1403-1409.
- Sauer, J., Dahmen, N., Henrich, E. (2015). Chemical Reactor Types. *Ullmann's Encyclopedia of Industrial Chemistry*, 1-2.
- Saunders, E.A.D. (1988). *Heat Exchangers: Selection, Design, & Construction*. Longman Scientific & Technical: New York.

- Shah, R. K., Mueller, A. C., Sekulic, D. P (2015). Heat Exchangers, 1. Fundamentals and General Design Methodology. *Ullmann's Encyclopedia of Industrial Chemistry*, 1-39.
- Sinnott, R.K. (1988). *Chemical Engineering Design* (Fourth Edition). London: Elsevier Butterworth Heineman.
- Sinnott, R. K., Towler, G. (2013). *Chemical Engineering Design: Principles, Practice and Economics of Plant and Process Design* (Second Edition). Amsterdam: Elsevier.
- Sinnott, R., & Towler, G. (2019). Chemical Engineering Design. In *Chemical Engineering Design: SI Edition*. <https://doi.org/10.1016/B978-0-08-102599-4.09980-X>
- Sinnott, R.K., Towler, G. (2020). *Chemical Engineering Design: Coulson and Richardson's Chemical Engineering Series* (Sixth Edition). Oxford: Elsevier Butterworth Heineman.
- Stichlmair, J. (2012). Distillation, 2. Equipment. *Ullmann's Encyclopedia of Industrial Chemistry*, 11, 455-475.
- Supartha, W. gede, & Sintaasih, D. K. (2017). Pengantar perilaku Organisasi; Teori, kasus dan Aplikasi penelitian. In *Universitas Udayana*. https://simdos.unud.ac.id/uploads/file_pendidikan_1_dir/b9ca64feeb1d962d5d06f51ea4d7577b.pdf
- The Dow Chemical Company. (2009). *Product safety assessment sheet of DOW™ Biphenyl*. http://msdssearch.dow.com/PublishedLiteratureDOWCOM/dh_0270/0901b80380270bcd.pdf?filepath=productsafety/pdfs/noreg/233-00584.pdf.&fromPage=GetDoc
- Treybal, R.E. (1980). *Mass Transfer Operation*. Mc. Graw-Hill Kogakusha Ltd. Tokyo.
- Ulrich, G. (1984) *A Guide to Chemical Engineering Process Design and Economics*. New York: John Wiley & Sons
- Walas, S. (1990). *Chemical Process Equipment Selection and Design*. Washington: Butterworth-Heinemann
- Wijaya, C.D., Rifa'i, M. (2017). Dasar-dasar Manajemen Mengoptimalkan Pengelolaan Organisasi Secara Efektif dan Efisien. Perdana: Medan.
- World Health Organisation (WHO). (1999). *Concise International Chemical Assessment Document (CICAD) 6: Biphenyl*. <http://www.who.int/ipcs/publications/cicad/en/cicad06.pdf>
- Yaws, C.L. (1999). *Chemical Properties Handbook: Physical, Thermodynamic, Environmental, Transport, Safety, and Health Related Properties for Organic and Inorganic Chemical*. New York: McGraw-Hill.