



## PRA RANCANGAN PABRIK

### “PABRIK METIL ASETAT DARI ASAM ASETAT DAN METANOL DENGAN PROSES ESTERIFIKASI”

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#### DAFTAR PUSTAKA

- Agreda, V. H., & Partin, L. R. (1984). *U.S. Patent No. 4,435,595*. Washington, DC: U.S. Patent and Trademark Office.
- Amir Husin, A. H. (2020). Jurnal Teknik Kimia USU. *Jurnal Teknik Kimia USU*, 09(2), 80–86.
- AWWA. (1991), *Coagulant Recovery: A Critical Assessment*, 2<sup>th</sup> edition, United States of America: America Water Works Association.
- Ayu, N., Hapsari, P., Wibowo, A., Kimia, J. T., Malang, P. N., Soekarno, J., & No, H. (2020). *STUDI KASUS SIMULASI REAKTOR EQUILIBRIUM PADA PRODUKSI METIL ASETAT MENGGUNAKAN SOFTWARE CHEMCAD*. 6(9), 49–55.
- Badan Pusat Statistik (2025), Data Impor Metil Asetat, diakses pada tanggal 17 Januari 2026, <https://www.bps.go.id/exim/>
- Badger, WL & Banchero JT 1955, *Introduction to chemical engineering*, New York: McGraw Hill Book Company, Inc.
- Brownell, L. E. & Young, E. H. (1959), *Process Equipment Design*, New Delhi: Wiley Eastern Limited.
- Faith, W. L. (1950) *Industrial Chemicals*. New York: John Wiley & Sons, Inc
- Geankoplis, Christie J. (1993), *Transport Processes and Unit Operations 3<sup>th</sup> Editions*, New York: Prentice-Hall International, Inc.
- Hesse, HC & Rushton, JH 1945, *Process equipment design*, New York: D. Van Nostrand Company, Inc.
- Himmelblau, David M. (1989), *Basic Principles and Calculations in Chemical Engineering*, 5<sup>th</sup> edition, Singapore: Prentice Hall International, Inc.
- Joshi, M. V. (1981), *Process Equipment Design*, Professor of Engineering Departement of Chemical Technology University of Bombay.



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- 
- Kirbaslar, S.I, Baykal, Z.B., and Dramur, U., (2001), Esterification of acetic acid with ethanol catalysed by an acidic ion-exchanger resin, *Journal Engin. Environ Sci.Turk.*, Vol 25, No 1, pp. 569-577.
- Kirk, R. E., and Othmer, V. R. (2005), *Encyclopedia of Chemical Technology*, vol.1, 5th ed, New York: John Wiley & Sons Inc
- Kusuma, H. S., Ansori, A., & Mahfud, M. (2021). *OPTIMIZATION OF SYNTHESIS OF METHYL ACETATE FROM ACETIC ACID AND METHANOL USING MICROWAVE-ASSISTED ESTERIFICATION*. 686–697.
- Lamb, J. C. (1985), *Water Quality and Its Control*, New York: John Willey & Sons Inc.
- Levenspiel, O. (1972), *Chemical Reaction Engineering*, 2<sup>nd</sup> edition, Singapore: John Wiley and Sons Inc.
- Ludwig (1999), *Applied Process Design for Chemical and Petrochemical Plants*, Vol.1 3<sup>rd</sup> ed, Texas: Gulf Publishing CO.
- Mahfud, M. dan Sabara, Z. (2018) *Industri Kimia Indonesia*. Sleman: Deepublish.
- McCabe, W. L., Smith, J. C. & Harriot, P. 2005), *Unit Operation of Chemical Engineering* 5<sup>th</sup> ed, New York: McGraw-Hill.
- Othmer, DF & Kirk, RE (1994). *Encyclopedia of chemical technology*, 4th ed vol. 11, New York: The Inter Science Encyclopedia, Inc.
- Peraturan Daerah Kota Karangayar Nomor 10 Tahun 2003 (2003), vol. 49, pp. 1–33,
- Peraturan Menteri Ketenagakerjaan Republik Indonesia Nomor 16 Tahun 2024 tentang Penetapan Upah Minimum Tahun 2025, PERMENAKER/2024/16, Jakarta: Kementrian Ketenagakerjaan Republik Indonesia
- Perry, R. H., and Green, D. W. (1997), *Perry's Chemical Engineering Handbook* 7<sup>th</sup> ed, New York: McGraw-Hill Book Company
- Perry, R. H., and Green, D. W. (2008), *Perry's Chemical Engineering Handbook* 8<sup>th</sup> ed, New York: McGraw-Hill Book Company
-



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- 
- Perry, R. H., and Green, D. W. (2019), *Perry's Chemical Engineering Handbook 9<sup>th</sup> ed*, New York: McGraw-Hill Book Company
- Peters, M. S & Timmerhaus, K. D. (2003), *Plant Design and Economics for Chemical Engineers 5<sup>ed</sup>*, New York: McGraw-Hill.
- Pitaloka, N.M.A.D.G. dan Budiningsih, N.K. (2025) “Analisis Daya Saing Ekspor Manufaktur Indonesia di Pasar Global,” *OPTIMAL Jurnal Ekonomi dan Manajemen*, 5(4), hlm. 610–634. Tersedia pada: <https://doi.org/10.55606/optimal.v5i4.7955>.
- PT Kaltim Methanol Industry. (2017). Material Safety Data Sheet (MSDS) Methanol.
- PT. Indo Acidatama. 2001. Material Safety Data Sheet (MSDS) Acetic Acid.
- PT. Petro Jordan Abadi. 2014. Material Safety Data Sheet (MSDS) Sulfuric Acid.
- Severns, William H., and Howard E. D. (1948), *Steam Air dan Gas Power*, 4th edition, New York: John Wiley and Sons, Inc.
- Smith, J. M., Van Ness, H. C., & Abbott, M. M. (2001), *Introduction to Chemical Engineering Thermodynamics*, 9<sup>th</sup> ed, New York: McGraw-Hill Book Company Inc.
- Thia, J.P. dan Hu, Y. (2025) “Transport costs and the locations of upstream-downstream sectors in China and Indonesia,” *International Economics*, 183. Tersedia pada: <https://doi.org/10.1016/j.inteco.2025.100602>.
- Wang, D. dkk. (2025) “Industrial Site Selection: Methodologies, Advances and Challenges,” *Applied Sciences (Switzerland)*. Multidisciplinary Digital Publishing Institute (MDPI). Tersedia pada: <https://doi.org/10.3390/app152111379>.
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Ulrich, G. D. (1984), *A Guide to Chemical Engineering Process Design and Economics*, New York: John Wiley & Sons.

Yaws, Carl L. (1999), *Chemical Properties Handbook: Physical, Thermodynamic, Environmental, Transport, Safety, and Health Related Properties for Organic and Inorganic Chemicals*, New York: McGraw-Hill