



PRA RANCANGAN PABRIK

Pabrik Asam Akrilat Dari Gliserol Dengan Proses Dehidrasi-Oksidasi Kapasitas 60.000 Ton/Tahun

DAFTAR PUSTAKA

- Agency for Toxic Substances and Disease Registry (ATSDR). (2025), Toxicological Profile for Acrolein, Atlanta GA: U.S. Department of Health and Human Services, diakses pada tanggal 8 Oktober 2025, <https://www.atsdr.cdc.gov/toxprofiles/tp124.pdf>
- AWWA. (1991), *Coagulant Recovery: A Critical Assessment*, 2th edition, United States of America : America Water Works Association.
- Badan Pusat Statistik (2025), *Data Impor dan Ekspor Asam Akrilat*, diakses pada tanggal 18 Agustus 2025, <https://www.bps.go.id/exim/>
- Badan Pusat Statistik (2025), *Data Jumlah Penduduk Kabupaten Gresik*, diakses pada tanggal 18 Agustus 2025, <https://www.bps.go.id/exim/>
- Badan Pusat Statistik (2025), *Data Tingkat Pengangguran Kabupaten Gresik*, diakses pada tanggal 18 Agustus 2025, <https://www.bps.go.id/exim/>
- Badan Pusat Statistik (2025), *Data Upah Minimum Kabupaten Gresik*, diakses pada tanggal 24 Agustus 2025, <https://www.bps.go.id/exim/>
- Bank Indonesia (2025), *Data Inflasi*, Diakses pada tanggal 24 Agustus 2025, <https://www.bi.go.id/id/statistik/indikator/data-inflasi.aspx>
- Bank Jatim (2025), *Suku Bunga*, Diakses pada tanggal 24 Agustus 2025, <https://bankjatim.co.id/id/suku-bunga-/suku-bunga>
- Braga, et al (2020), “Economic Analysis and Technicalities of Arcylic Acid Production from Crude Glycerol”, *Chemi Industry and Chemical Engineering Quarterly*, 26 (1), pp. 59-69
- Brownell, L. E. & Young, E. H. (1959), *Process Equipment Design*, New Delhi : Wiley Eastern Limited.
- CEPCI (2025), *Annual index*, diakses pada tanggal 24 Agustus 2025, <https://www.chemeng-online.com/pci-home>
- Coulson, J. M., & Richardson, J. F. (2005), *Chemical Engineering Design vol. 6*, 4th ed., Oxford : Elsevier Butterworth-Heinemann.
-



PRA RANCANGAN PABRIK

Pabrik Asam Akrilat Dari Gliserol Dengan Proses Dehidrasi-Oksidasi Kapasitas 60.000 Ton/Tahun

- Crowl, D. & Josph, L. (2002), *Chemical Process Safety Fundamentals with Applications Second Edition*, New Jersey : Prentice Hall PTR.
- Dow, (1997), *Dowtherm A Heat Transfer Fluid : Product Technical Data*, USA : The Dow Chemical Company.
- Etzkorn, W. G., and Harkreader G. G. (1993), *Anhydrous Diluents for The Propilen Oxidation Reaction to Acrolein and Acrolein Oxidation to Acrylic Acid*, U.S. Patent 5,198,578. United States.
- Evans, F. L. (1980), *Equipment Design Handbook for Refineries and Chemical Plants 2^{ed}*, London : Gulf Publishing Company.
- Geankoplis, Christie J. (1993), *Transport Processes and Unit Operations 3th Editions*, New York : Prentice-Hall International, Inc.
- Google Maps (2025), *Analisis Jarak Tempuh dan Waktu Tempuh*, diakses pada tanggal 24 Agustus 2025, <https://www.googlemaps.com>
- Himmelblau, David M. (1989), *Basic Principles and Calculations in Chemical Engineering, 5th edition*, Singapore : Prentice Hall International, Inc.
- JIIPE Industri (2025), *Kawasan Industri JIIPE*, diakses pada tanggal 24 Agustus 2025, https://www.jiipe.com/id/home/industri_jiipe
- Joshi, M. V. (1981), *Process Equipment Design*, Professor of Engineering Departement of Chemical Technology University of Bombay.
- Kemenperin (2025), *Kapasitas Produksi Wilmar Nabati Indonesia*, diakses pada tanggal 18 Agustus 2025, <https://tkdn.kemenperin.go.id>
- Kern, D. Q. (1965), *Process Heat Transfer*, Japan : McGraw-Hill Book Company
- Kirk, R. E., and Othmer, V. R. (1998), *Encyclopedia of Chemical Technology*, vol.1, 4th ed, New York : John Wiley & Sons Inc
- Kirk, R. E., and Othmer, V. R. (1998), *Encyclopedia of Chemical Technology*, vol.11, 4th ed, New York : John Wiley & Sons Inc
- Lamb, J. C. (1985), *Water Quality And Its Control*, New York : John Willey & Sons Inc.
- Levenspiel, O. (1972), *Chemical Reaction Engineering, 2nd edition*, Singapore : John Wiley and Sons Inc.
-



PRA RANCANGAN PABRIK

Pabrik Asam Akrilat Dari Gliserol Dengan Proses Dehidrasi-Oksidasi Kapasitas 60.000 Ton/Tahun

- Ludwig (1999), *Applied Process Design for Chemical and Petrochemical Plants, Vol 1 3rd ed*, Texas : Gulf Publishing CO.
- Matche (2025), *Equipment Cost*, diakses pada tanggal 24 Agustus 2025, <http://www.matche.com/equipcost/Default.html>
- McCabe, W. L., Smith, J. C. & Harriot, P. (1993), *Unit Operation of Chemical Engineering 5th ed*, New York : McGraw-Hill.
- Merck, 2024. *Material Safety Data Sheet (MSDS) of Acrylic Acid*, diakses pada tanggal 18 Desember 2024, <https://www.merckmillipore.com/>
- Merck, 2024. *Material Safety Data Sheet (MSDS) of Glycerol*, diakses pada tanggal 18 Desember 2024, <https://www.merckmillipore.com/>
- Nippon Shokubai. (2024), *Inauguration Ceremony Held for a New Acrylic Acid Facility in Indonesia*, diakses pada tanggal 18 Desember 2024 <https://www.shokubai.co.jp/>
- Peraturan Menteri Kesehatan Republik Indonesia Nomor 32 tahun 2017 tentang *Standar Baku Mutu Kesehatan Lingkungan dan Persyaratan Kesehatan Air untuk Keperluan Higiene Sanitasi, Kolam Renang, Solus Per Aqua dan Pemandian Umum*, PERMENKES 2017/32, Jakarta : Kementrian Kesehatan Republik Indonesia
- 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. (1950), *Perry's Chemical Engineering Handbook 3th ed*, Tokyo : McGraw-Hill Book Company
- Perry, R. H., and Green, D. W. (1984), *Perry's Chemical Engineering Handbook 6th ed*, New York : McGraw-Hill Book Company
- Perry, R. H., and Green, D. W. (1997), *Perry's Chemical Engineering Handbook 7th ed*, New York : McGraw-Hill Book Company
- Perry, R. H., and Green, D. W. (2008), *Perry's Chemical Engineering Handbook 8th ed*, New York : McGraw-Hill Book Company



PRA RANCANGAN PABRIK

Pabrik Asam Akrilat Dari Gliserol Dengan Proses Dehidrasi-Oksidasi Kapasitas 60.000 Ton/Tahun

- Peters, M. S & Timmerhaus, K. D. (1991), *Plant Design and Economics For Chemical Engineers 4^{ed}*, New York : McGraw-Hill.
- Peters, M. S & Timmerhaus, K. D. (2003), *Plant Design and Economics For Chemical Engineers 5^{ed}*, New York : McGraw-Hill.
- Presiden Republik Indonesia 2021, *Peraturan Pemerintah Republik Indonesia Nomor 71 Tahun 2021 Tentang Kawasan Ekonomi Khusus Gresik*, Presiden Republik Indonesia, Jakarta : Kementerian Sekretariat Negara Republik Indonesia.
- Pubchem (2025), *Pubchem Compound Summary for Glycerol*, Diakses pada 24 Agustus 2025, <https://pubchem.ncbi.nlm.nih.gov/compound/Glycerol>
- Pubchem (2025), *Pubchem Compound Summary for Hydroxyacetone*, Diakses 24 Agustus 2025, <https://pubchem.ncbi.nlm.nih.gov/compound/Hydroxyacetone>
- Towler, Gavin, & Ray Sinnot. (2008), *Chemical Engineering Design Principles, Practice and Economics of Plant and Process Design*, London : Elsevier, Inc.
- Tsuneki, H., Nonoguchi, M., and Nishi, K. (2016), *Processes for Producing Acrolein, Acrylic Acid and Derivatives Thereof*, US Patent Publication No. 9,422,377 B2. United States.
- Seader, J. D., & Henley, E. J. (2006), *Separation Process Principles 2nd Edition*, New York : John Wiley & Sons, Inc.
- 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, 6th ed*, New York : McGraw-Hill Book Company Inc.
- Smith, J. M., Van Ness, H. C., & Abbott, M. M. (2004), *Introduction to Chemical Engineering Thermodynamics, 7th ed*, New York : McGraw-Hill Book Company Inc.
- Smith, J. M., Van Ness, H. C., & Abbott, M. M. (2014), *Introduction to Chemical Engineering Thermodynamics, 8th ed*, New York : McGraw-Hill Book Company Inc.
-



PRA RANCANGAN PABRIK

Pabrik Asam Akrilat Dari Gliserol Dengan Proses Dehidrasi-Oksidasi Kapasitas 60.000 Ton/Tahun

Smith, Robin. (2005), *Chemical Process Design and Integration*, England : John Wiley & Son Ltd.

Syahrullah & Nasrullah 2020, “Sejarah Perkembangan Perseroan Terbatas di Indonesia”, *Jurnal Publikasi Hukum*, 1(9), hh. 68-76

Ulrich, G. D. (1984), *A Guide to Chemical Engineering Process Design and Economics*, New York : John Wiley & Sons.

Underwood, A. L. (1986), *Analisa Kimia Kuantitatif*, Jakarta : Erlangga.

Wesley, A.V. (1993), *Mikrobiologi Dasar Jilid*, Jakarta : Erlangga.

Winkle, Mattew V. (1967), *Distilation*, New York : McGraw-Hill Book.

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