



Pra Rancangan Pabrik

Pabrik Magnesium Sulfat Heptahidrat dari Magnesium Karbonat dan Asam Sulfat dengan Proses Sintesis Basah Kapasitas 95.000 Ton/Tahun

DAFTAR PUSTAKA

- Badger, W.L. & Banchero, J.L. 1957. *Introduction To Chemical Engineering*. Australia: McGraw-Hill.
- Badan Pusat Statistik. 2024. Data Impor dan Ekspor Magnesium Sulfat di Indonesia Tahun 2020–2024. Diakses 25 Juli 2025.
- Brownell, L.E. & Young, E.H. 1959. *Process Equipment Design 3d*. New York: John Wiley & Sons.
- Coulson, J.M. & Richardson, J.F. 1989. *Chemical Engineering Vol. 6*. Pergamon Press, New York.
- Dean, J.A. 1999. *Lange's Handbook of Chemistry 5th Edition*. New York: McGraw-Hill.
- Farnsworth, W.H. 1941. *Preparation of Magnesium Products*. US Patent 2231327A.
- Geankoplis, C.J. 1993. *Transport Processes and Unit Operation 3d*. New Jersey: Allyn & Bacon Inc.
- Hesse, Herman C. 1959. *Process Equipment Design 7th Edition*. New York: D. Van Nostrand Co., McGraw-Hill Inc.
- Himmelblau, D.M. 1989. *Basic Principles and Calculations in Chemical Engineering 5th ed.*, Singapore: Prentice-Hall International.
- Hugot, E. 1972. *Handbook of Cane Sugar Engineering 2nd ed.*, p. 490. Elsevier Publishing Company, Amsterdam.
- Joshi, M.V. 1981. *Process Equipment Design*. New York: McGraw-Hill Indian Ltd.
- Kem, D.Q. 1983. *Process Heat Transfer*. New York: McGraw-Hill Book Company.
- Kirk-Othmer. 1998. *Encyclopedia of Chemical Technology 4th Edition*. New York: John Wiley & Sons, Inc.
- Ludwig, E. 1964. *Applied Process Design for Chemical and Petrochemical Vol. I*. Houston, Texas: Gulf Publishing Co.
- Matche. 2019. Equipment Cost. <https://www.matche.com/equipcost/Default.html>. Diakses 20 Agustus 2022 pukul 12.00 WIB.
- McCabe, W.L. & Smith, J.C. 1993. *Unit Operations of Chemical Engineering 5th ed.*, New York: McGraw-Hill.

Program Studi S-I Teknik Kimia

Fakultas Teknik & Sains

Universitas Pembangunan Nasional "Veteran" Jawa Timur Surabaya



Pra Rancangan Pabrik

Pabrik Magnesium Sulfat Heptahidrat dari Magnesium Karbonat dan Asam Sulfat dengan Proses Sintesis Basah Kapasitas 95.000 Ton/Tahun

-
- MSDS Carbon Dioxide. 2025. Lembar Data Keselamatan Bahan (LDKB) Carbon Dioxide. MerckMillipore. Diakses 25 Juli 2025.
- MSDS Magnesium Carbonate. 2023. Lembar Data Keselamatan Bahan (LDKB) Magnesium Carbonate. PT Mitra Tsalasa Jaya. Diakses 25 Juli 2025.
- MSDS Magnesium Sulphate. 2024. Lembar Data Keselamatan Bahan (LDKB) Magnesium Sulphate. MerckMillipore. Diakses 25 Juli 2025.
- MSDS Sulphuric Acid. 2023. Lembar Data Keselamatan Bahan (LDKB) Sulphuric Acid. PT Petro Jordan Abadi. Diakses 25 Juli 2025.
- Othmer, D.F. & Kirk, R.E. 1994. *Encyclopedia of Chemical Technology 4th ed., Vol. 15*. The Interscience Encyclopedia, New York.
- Perry, R.H. & Green, D.W. 1997. *Chemical Engineering Handbook 7th Edition*. New York: McGraw-Hill.
- Peter, M.S. & Timmerhaus, K.D. 1980. *Plant Design and Economics for Chemical Engineers 2nd ed.*, Singapore: McGraw-Hill Book Company.
- Peter, A.L.S. & Timmerhaus, K.D. 1980. *Plant Design and Economics for Chemical Engineers 3rd ed.*, Singapore: McGraw-Hill Book Company.
- Ranawat, P.S., Kumar, K.M. & Sharma, N.K. 2009. "Production of Epsom, Gypsum and Other Industrial Products from the Mill Tailings of Jhamarkoiria Rock Phosphate Project, India." *Current Science*, pp. 713–717.
- Rasmito, A., Asri, N.Y. & Suwarno, J. 2010. "Pembuatan Kristal Epsomite dari Air Tua." *Seminar Rekayasa Kimia dan Proses*.
- Severn, W.H. & Friend. 1964. *Steam, Air and Gas Power 4th Edition*. New York: John Wiley & Sons Inc.
- Sherwood, T. 1977. *The Properties of Gases and Liquids 3rd ed.*, Singapore: McGraw-Hill Book Company Inc.
- Smith, J.M. & Van Ness, H.C. 1975. *Introduction to Chemical Engineering Thermodynamics 3rd ed.*, New York: McGraw-Hill Inc
- Sokolov, et al. 1981. United States Patent – 4,264,570.
- Sugiharto. 1987. *Dasar-Dasar Pengelolaan Air Limbah*. Jakarta: Universitas Indonesia Press.
- Ullmann. 2008. *Ullmann's Chemical Engineering and Plant Design 7th Edition*. Wiley & Sons Inc., New York.



Pra Rancangan Pabrik

Pabrik Magnesium Sulfat Heptahidrat dari Magnesium Karbonat dan Asam Sulfat dengan Proses Sintesis Basah Kapasitas 95.000 Ton/Tahun

Ulrich, D. Gael. 1984. *A Guide to Chemical Engineering Process Design and Economics*. Canada: John Wiley & Sons Inc.

UNdata. 2022. The Import Data of Magnesium Sulphate in Indonesia. Dilihat 10 Januari 2022.

Yaws, C.L. 1999. *Chemical Properties Handbook*. McGraw-Hill, New York.