



## PRA RANCANGAN PABRIK

”Pabrik N-Phosphonomethyl Glycine Dari N-(Phosphonomethyl) Iminodiacetic Acid (N-PMIDA) Dengan Proses Oksidasi Kapasitas 60.000 Ton/Tahun”

---

### DAFTAR PUSTAKA

- Alibaba Group. (2025). *Product and Equipment Price*. Diakses pada 15 Januari 2026, dari <https://www.alibaba.com/>
- Badger, W. L., & Banchero, J. L. (1957). *Introduction to Chemical Engineering*. McGraw-Hill, Australia.
- Badan Pusat Statistik. (2025). *Data Impor N-Phosphonomethyl Glycine*. Diakses pada 25 Desember 2025, dari <https://www.bps.go.id/>
- Brownell, L. E., & Young, E. H. (1959). *Process Equipment Design* (3rd ed.). John Wiley & Sons, New York.
- CEPCI. (2021). *Annual Index*. Diakses pada 25 April 2026, dari <https://www.chemengonline.com/pci-home>
- CN Patent. (2011). *CN102040623A*.
- Coulson, J. M., & Richardson, J. F. (1983). *Chemical Engineering* (Vol. 6). Pergamon Press, Oxford.
- Eka Wulandari, Resiworo, D. J., Sembodo, D. R., & Sriyani, N. (2014). Efikasi herbisida glifosat untuk persiapan lahan budidaya jagung (*Zea mays* L.) tanpa olah tanah. *Jurnal Agrotek Tropika*, 2(1), 49–54.
- Geankoplis, C. J. (1993). *Transport Processes and Unit Operations* (3rd ed.). Allyn & Bacon Inc., New Jersey.
- Google Inc. (2026). *Google Maps: Peta Lokasi Gresik, Jawa Timur*. Diakses pada 1 April 2026, dari <http://maps.google.com/>
- Himmelblau, D. M., & Riggs, J. B. (1989). *Basic Principles and Calculations in Chemical Engineering* (5th ed.). Prentice Hall, Englewood Cliffs, New Jersey.
- Jiangsu Jurong Chemical. (2025). *Data N-(Phosphonomethyl)iminodiacetic Acid*. Diakses pada 15 Januari 2026.
- Kern, D. Q. (1983). *Process Heat Transfer*. McGraw-Hill Book Company, New York.



## PRA RANCANGAN PABRIK

”Pabrik N-Phosphonomethyl Glycine Dari N-(Phosphonomethyl) Iminodiacetic Acid (N-PMIDA) Dengan Proses Oksidasi Kapasitas 60.000 Ton/Tahun”

- 
- Ludwig, E. (1964). *Applied Process Design for Chemical and Petrochemical Industries* (Vol. I). Gulf Publishing Co., Houston, Texas.
- Matche. (2014). *Equipment Cost*. Diakses pada 15 April 2026, dari <https://www.matche.com/>
- McCabe, W. L., Smith, J. C., & Harriott, P. (1993). *Unit Operations of Chemical Engineering* (5th ed.). McGraw-Hill Book Company, Singapore.
- McCabe, W. L., Smith, J. C., & Harriott, P. (2005). *Unit Operations of Chemical Engineering* (7th ed.). McGraw-Hill Book Company, Singapore.
- MSDS. (2017). *Merck Lembar Data Keselamatan Bahan Air*. Diakses pada 15 Januari 2026, dari <https://www.merckmillipore.com/ID/id/product/msds/MDA>
- MSDS. (2020, 20 Januari). *Lembar Data Keselamatan Bahan Formic Acid*. Diakses pada 15 Januari 2026, dari <http://www.pancasakti.co.id>
- MSDS. (2022). *AK Scientific, Inc. Safety Data Sheet (United States): N-(Phosphonomethyl)iminodiacetic Acid*. Diakses pada 15 Januari 2026, dari [https://aksci.com/sds/S317\\_SDS.pdf](https://aksci.com/sds/S317_SDS.pdf)
- MSDS. (2023). *Supelco Lembar Data Keselamatan Arang Aktif*. Diakses pada 15 Januari 2026, dari <https://www.sigmaaldrich.com/>
- MSDS. (2025a). *Airgas Safety Data Sheet Oxygen*. Diakses pada 15 Januari 2026, dari <https://www.airgas.com/msds/001043.pdf>
- MSDS. (2025b, 10 Maret). *ROTICHROM Safety Data Sheet N-(Phosphonomethyl)glycine*. Diakses pada 15 Januari 2026, dari <https://www.carlroth.com/>
- Perry, R. H. (Ed.). (2008). *Perry's Chemical Engineers' Handbook* (8th ed.). McGraw-Hill. <https://doi.org/10.1036/0071422943>
- Perry, R. H., & Green, D. W. (1998). *Chemical Engineering Handbook* (7th ed.). McGraw-Hill, New York.
- Perry, R. H., & Green, D. W. (2008). *Chemical Engineering Handbook* (8th ed.). McGraw-Hill, New York.
-



## PRA RANCANGAN PABRIK

”Pabrik N-Phosphonomethyl Glycine Dari N-(Phosphonomethyl) Iminodiacetic Acid (N-PMIDA) Dengan Proses Oksidasi Kapasitas 60.000 Ton/Tahun”

- 
- Peters, M. S., & Timmerhaus, K. D. (1980). *Plant Design and Economics for Chemical Engineers* (4th ed.). McGraw-Hill Book Company, Singapore.
- Peters, M. S., & Timmerhaus, K. D. (1980). *Plant Design and Economics for Chemical Engineers* (5th ed.). McGraw-Hill Book Company, Singapore.
- PT Adil Makmur Fajar. (2025). *Introducing PT. Adil Makmur Fajar (AMCO)*. Diakses pada 17 Januari 2026, dari <https://adilmakmurfajar.com/en/tentang-kami>
- Rosalyn Sigalingging, D., Sembodo, D. R., & Sriyani, N. (2014). Efikasi herbisida glifosat untuk mengendalikan gulma pada pertanaman kopi (*Coffea canephora*) menghasilkan. *Jurnal Agrotek Tropika*, 2(2).
- Smith, J. M., & Van Ness, H. C. (1975). *Introduction to Chemical Engineering Thermodynamics* (3rd ed.). McGraw-Hill Inc., New York.
- Treybal, R. E. (1981). *Mass Transfer Operations* (3rd ed.). McGraw-Hill Inc., New York.
- Ulrich, G. D. (1984). *A Guide to Chemical Engineering Process Design and Economics*. John Wiley & Sons Inc., Canada.
- United States Patent. (1993). *Preparation of N-Phosphonomethylglycine by Oxidation of N-Phosphonomethyliminodiacetic Acid* (Patent No. 5,179,228).
- United States Patent. (2016). *Mitigating Necrosis in Transgenic Glyphosate-Tolerant Cotton Plants Treated with Herbicidal Glyphosate Formulations* (Patent No. US 9,364,003 B2). Diakses dari <http://www.epa.gov/chemrtk/pubs/summaries/>
- Yaws, C. L. (1999). *Chemical Properties Handbook*. McGraw-Hill, New York.
- Zhengzhou Zhongchuang. (2026). *Bubuk Karbon Aktif*. Diakses pada 15 Januari 2026, dari [https://www.alibaba.com/product-detail/Virgin-Coalbased-Powdered-Activated-Carbons-Charcoal\\_1601206994389.html?spm=a2700.galleryofferlist.p\\_offer.d\\_image.41f7](https://www.alibaba.com/product-detail/Virgin-Coalbased-Powdered-Activated-Carbons-Charcoal_1601206994389.html?spm=a2700.galleryofferlist.p_offer.d_image.41f7)
-