



SKRIPSI
PRARANCANGAN PABRIK KIMIA AKRILAMIDA DARI
AKRILONITRIL DAN AIR DENGAN PROSES HIDRASI
KATALITIK DENGAN KAPASITAS 15.000 TON/TAHUN

DAFTAR PUSTAKA

- Agency for Toxic Substances and Disease Registry. (2012). *Toxicological Profile for Acrylamide*. U.S. Department of Health and Human Services, Public Health Service.
- Aries, R.S and Newton, RD., (1955). Chemical Engineering Cost Estimation. Mc Grow – Hill Book Company, New York.
- Atkins, P., Paula, J. de, & Keeler, J. (2006). *Physical Chemistry* (Eleventh e).
- Brownell, L. E., dan Young, E. H. (1959). *Process Equipment Design*. New York: John Wiley & Sons.
- Carl L. Yaws. (1999). "Chemical Properties Handbook", McGraw-Hill Companies, Inc., New York, p. 770. et al, Z. (2010). United States Patent : 7413882 United States Patent : 7413882. *October, 183*(8), 551–565.
- Coulson, J. M., Richardson, J. F., Backhurst, J. R., dan Harker, J. H. (2015). *Chemical Engineering, Volume 6: Design*. 6th Edition. Oxford: Butterworth-Heinemann.
- Geankoplis, C.J., (1993), Transport Processes and Unit Operations, 3rd ed., PrenticeHall, Inc., New Jersey
- Holland F.A and Chapman F.S. (1966). Liquid Mixing an Processing. Lever Brothers Company. New york.
- Kern, D. Q. (1988). Process Heat Transfer. Tokyo: McGraw-Hill.
- Kirk, R. E., Othmer, D. F., & Newburger, S. H. (1953). Encyclopedia of Chemical Technology. In *Journal of AOAC INTERNATIONAL* (Eleventh e, Vol. 36, Issue 4). <https://doi.org/10.1093/jaoac/36.4.1190a>



SKRIPSI
PRARANCANGAN PABRIK KIMIA AKRILAMIDA DARI
AKRILONITRIL DAN AIR DENGAN PROSES HIDRASI
KATALITIK DENGAN KAPASITAS 15.000 TON/TAHUN

-
- Kurita Water Industries Ltd. (1999). *Kurita Water Treatment Handbook* (3rd ed.). Tokyo: Kurita Water Industries Ltd.
- Ludwig, Ernest E. (2001). *Applied Process Design for Chemical and Petrochemical Plants*, Volume 3, 3rd edition. London: Gulf Professional Publishing.
- Mankenberg GmbH. (2004). *Technical Catalogue: Pressure and Control Valves*. Lübeck, Germany: Mankenberg GmbH.
- Matche. (2025). Matche's Equipment Cost Estimates. Diakses dari website: Matche.com
- McCabe, W.I. and Smith, J.C., (1985), *Unit Operation of Chemical Engineering*, 4th edition, McGraw Hill Book Company, Singapore.
- Mukherjee, R. (1998). *Chemical Engineering Thermodynamics*. New Delhi: Prentice-Hall of India Private Limited.
- Onuoha, N. I., & Wainwright, M. S. (1984). Catalyst deactivation in the hydrolysis of acrylonitrile to acrylamide over raney copper. *Chemical Engineering Communications*, 29(1–6), 13–25.
<https://doi.org/10.1080/00986448408940146>
- Patent, U. S. (1981). *Method for the Hydration of Acrylonitrile To Acrylamide*. 19.
- Perry, Robert H., and Don W. Green. (2008). *Perry's Chemical Engineers' Handbook* 8th edition. McGraw-Hill Companies, Inc. New York.
- Peters, M. S., & Timmerhaus, K. D. (1991). *Plant Design and Economics for Chemical Engineering*. New York: McGraw-Hill, Inc.
- Powell, S. T. (1954). *Water Conditioning for Industry*. New York: McGraw-Hill Book Company, Inc.



SKRIPSI
PRARANCANGAN PABRIK KIMIA AKRILAMIDA DARI
AKRILONITRIL DAN AIR DENGAN PROSES HIDRASI
KATALITIK DENGAN KAPASITAS 15.000 TON/TAHUN

Rase, H. F. (1977). *Chemical Reactor Design for Process Plants, Volume 1: Principles and Techniques*. New York: John Wiley & Sons.

Towler, G. and Sinnott, R. K., (1983), *Chemical Engineering Design*, Elsevier Butterworth-Heinemann, Oxford.

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

Wardani, T., & Nurwathi, N. (2024). Analisis Kecelakaan Kerja Menggunakan HIRARC dan SCAT di PT Alkan Chemical Indonesia. *Rekayasa Industri Dan Mesin (ReTIMS)*, 5(2), 49. <https://doi.org/10.32897/retims.2024.5.2.3260>

Werges, D. L. (1975). Process for making acrylamide. US3900516A.

Yaws C. L. (1999), "Chemicals Properties Handbook: Physical, Thermodynamic, Enviromental, Transport, Safety, and Health Realted Properties for Organic and Inorganic Chemical", pp.33-84,111-129, McGraw-Hill, New York.

<https://www.alibaba.com>, diakses pada 25 April 2024

<https://www.bps.go.id>, diakses pada 18 April 2024

<https://www.comtrade.un.org/data/>, diakses pada 4 Juni 2024

<https://ekonomi.republika.co.id/>, diakses pada 4 Juni 2024

<https://maps.google.com>, diakses pada 7 Juni 2024