



SKRIPSI

Prarancangan Pabrik Kimia *Fatty Acid Methyl Ester* dari Minyak
Jelantah dan Metanol
Kapasitas 10.000 Ton/Tahun

DAFTAR PUSTAKA

- Aries, R. S., & Newton, R. D. (1955). *Chemical Engineering Cost Estimation*. New York: McGraw Hill.
- Brown, G. G. (1978). *Unit Operations*. New York: John Wiley & Sons.
- Brownell, L. E., & H, Y. E. (1959). *Process Equipment Design*. New York: John Wiley & Sons.
- Chai, M., Tu, Q., Lu, M., & Yang, Y. J. (2014). Esterification Pretreatment Of Free Fatty Acid In Biodiesel Production, From Laboratory To Industry. *Fuel Processing Technology*, 106-113.
- Changmai, B., Vanlaveni, C., Ingle, A. P., Bhagat, R., & Rokhum, S. L. (2020). Widely used catalysts in biodiesel production: a review. *The Royal Society of Chemistry*, 41625-41679.
- Coulson, J. M., & Richardson, J. F. (1983). *Chemical Engineering*. New York: Pergamon Press.
- Holman, J. P. (2010). *Heat Transfer*. New York: McGraw Hill.
- Kementrian Energi dan Sumber Daya Mineral (ESDM). (2025).
- Kern, D. Q. (1950). *Process Heat Transfer*. New York: McGraw-Hill.
- Kister, H. Z. (1992). *Distillation Design*. New York: McGraw Hill.
- Kumar, V., Das, D., & Mahto, V. K. (2024). A Kinetic Study and Thermometric Analysis on Waste Cooking Oil. *Biomass Conversion and Biorefinery*, 20499-20508.
- Leung, D. Y., Wu, X., & Leung, M. K. (2010). A Review on Biodiesel Production Using Catalyzed Transesterification. *Applied Energy*, 1083-1095.
- Ludwig, E. E. (1999). *Applied Process Design for Chemical and Petrochemical Plants*. Texas: Gulf Publishing Company.
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- Mahendra, D. A., & Jawwad, M. A. (2023). Edukasi tentang Pemanfaatan Limbah Minyak Jelantah Kantin di Sebuah Perusahaan. *KARYA: Jurnal Pengabdian Kepada Masyarakat*, 30-33.
- Nabgan, W., Jalil, A. A., Nabganab, B., Jadhav, A. H., Ikram, M., Ul-Hamid, A., . . . Hassanab, N. S. (2021). Sustainable Biodiesel Generation Through Catalytic Transesterification of Waste Sources: A Literature Review and Bibliometric Survey. *Royal Society of Chemistry*, 1604-1627.
- Nasution, A. I., Harahap, I., & Harahap, M. I. (2024). Analisis Dampak Investasi Dan Konsumsi Pada Sektor Energi Terbarukan Dalam Pembangunan Ekonomi Berkelanjutan. *Jurnal Ilmiah Ekonomi Islam*, 2384-2397.
- Perry, R. H., & Green, D. W. (1999). *Perry's Chemical Engineers' Handbook*. New York: McGraw-Hill.
- Peter, M. S., & Klaus Dieter Timmerhaus. (1991). *Plant Design and Economics for Chemical Engineers*. New York: McGraw Hill.
- Rase, H. F. (1977). *Chemical Reactor Design for Process Plants*. New York: John Wiley & Sons.
- Riyadi, M., Ilham, I., & Hadi, S. (2023). Analysis of Economic and Environmental Feasibility of Using Biodiesel as an Alternative Fuel for Fishing Vessels in Indonesia. *ournal of Maritime Technology and Society*, 96-101.
- Towler, G., & Sinnott, R. (2008). *Chemical Engineering Design: Principles, Practice and Economics of Plant and Process Design*. Oxford: Elsevier.
- Ulrich, G. D. (1984). *A Guide to Chemical Engineering Process Design and Economics*. New York: John Wiley & Sons.
- Yaws, C. L. (1999). *Chemical Properties Handbook*. New Jersey: McGraw Hill.
- Zagita, T., Pitaloka, B. T., Rafael, M. K., Imanuellda, G., & Prasetya, K. H. (2025). Energi Fosil di Era Modern: Pemanfaatan, Dampak Negatif, dan Alternatif



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Energi Terbarukan. *SOLUTIVA: Solusi dan Inovasi Pengabdian Kepada Masyarakat*, 1-8.