

DAFTAR PUSTAKA

- Agarwal, S. C. 1986. Control System for Prilling Towers. *United States Patent Number* 4.568.417.
- Ahmed, E. M. 2015. Hydrogel: Preparation, Characterization, and Applications: A Review. *Journal of Advanced Research*, 6(2), hal. 105 – 121.
- Akbar, M. F. 2021. Analisis Efisiensi pada Industri Pupuk di Indonesia. *Skripsi*. Fakultas Ekonomi, Universitas Sriwijaya, Palembang.
- Alaquainc. 2020. Evaporators - Types and Applications. (<https://www.alaquainc.com/evaporators-types-and-applications/>).
- Alma, B. 2013. Pengantar Bisnis. Bandung: Alfabeta.
- Aries, R. S. dan Newton, R. D. 1955. Chemical Engineering Cost Estimation. McGraw-Hill Book Company, Inc., New York.
- Asosiasi Produsen Pupuk Indonesia (APPI). 2021. Buletin Pupuk Edisi 2. (n.d.). Hal. 29 – 30.
- Asosiasi Produsen Pupuk Indonesia (APPI). 2022. Fertilizer Consumption. (<https://www.appi.or.id/consumption-report/fertilizer-consumption-631823d429562>).
- Asosiasi Produsen Pupuk Indonesia (APPI). 2022. Fertilizer Production. (<https://www.appi.or.id/supply-report/fertilizer-production-631828f8bd076>).
- AXA XL Risk Consulting. 2020. Oil and Chemical Plant Layout and Spacing. *Property Risk Consulting Guidelines*, USA.
- Azeem, B., Kushaari, K., Man, Z. B., Basit, A., dan Thanh, T. H. 2014. Review on materials & methods to produce controlled release coated urea fertilizer. *Journal of Controlled Release*, 181, 11 – 21.
- Baboo, P. 2016. Sulphur Coated Urea. The Fellow of Institution of Engineers, India.
- Baboo, P. 2018. The Major Safety Hazards in Urea Plants. *ureaknowhow.com*.
- Baboo, P. 2022. Reactor Kinetics and Different Types of Urea Reactor High Efficiency Trays. The Fellow of Institution of Engineers, India.
- Baboo, P. 2022. Some Fact about Urea Stripper. The Fellow of Institution of Engineers, India.
- Bhaskar, K. dan Das, P. C. 2007. Manufacture of Urea. *Tesis*. Department of Chemical Engineering, National Institute of Technology, Rourkela, India.
- Bird, R. B., Stewart, W. E., dan Lightfoot, E. N. 2002. Transport Phenomena 2nd Ed. John Wiley & Sons, Inc., USA

- Boundless. 2022. Water - Heat of Vaporization. *LibreTexts Biology*. 2.13.1 ([https://bio.libretexts.org/Bookshelves/Introductory_and_General_Biology/Book%3A_General_Biology_\(Boundless\)/02%3A_The_Chemical_Foundation_of_Life/2.13%3A_Water_-_Heat_of_Vaporization](https://bio.libretexts.org/Bookshelves/Introductory_and_General_Biology/Book%3A_General_Biology_(Boundless)/02%3A_The_Chemical_Foundation_of_Life/2.13%3A_Water_-_Heat_of_Vaporization)).
- Brown, G. G. 1950. Unit Operations. John Wiley and Sons, Inc., New York
- Brownell, L. E. dan Young, E. H. 1959. Process Equipment Design. John Wiley & Sons, Inc., USA.
- Carrion, G. G., Vrabec, J., dan Hasse, H. 2012. Prediction of Transport Properties of Liquid Ammonia and Its Binary Mixture with Methanol by Molecular Simulation. *International Journal of Thermophysics*, Jerman.
- Cernosek, Z., Holubova, J., Cernoskova, E., dan Ruzicka, A. 2009. Sulfur – A New Information on This Seemingly Well-Known Element. *Journal of Non-Oxide Classes*, 1(1), hal 38 – 42. Technical Paper, *ureaknowhow.com*.
- Chilton, T. H. dan Colburn, A. P. 1934. Mass Transfer (Absorption) Coefficients Prediction from Data on Heat Transfer and Fluid Friction. *Industrial and Engineering Chemistry*, 26(11), hal 1183 – 1187.
- Chinda, R. C., Yamamoto, C. I., Lima, D. F. B., dan Pessoa, F. L. P. 2017. Modeling and Simulating The Synthesis Section of An Industrial Urea Plant Analyzing The Biuret Formation. Technical Paper, *ureaknowhow.com*.
- Choi, M. M. S. dan Meisen, A. 1997. Sulfur Coating of Urea in Shallow Spouted Beds. *Chemical Engineering Science*, 52(7), hal. 1073 – 1086.
- Coulson, J. M. dan Richardson, J. F. 1999. Chemical Engineering. Vol. 6. Pergamon Press, Oxford.
- de Haas, W., Hecker, M., der Linden, M. V., Meulman, R., dan Comas, J. R. 2016. Snamprogetti Urea Production and Purification. *Bachelor Assignment*. Chemical Engineering, University of Groningen, Groningen, Belanda.
- Dwiputri, M. I., Nawasanjani, A., Anugraha, R., dan Anugraha, R. P. 2021. Pra Desain Pabrik Urea dari Amonia dan CO₂ Berbasis Proses *Stamicarbon* CO₂ Stripping. *Jurnal Teknik ITS*, 10 (1), hal. 2337 – 3539.
- Fatimatuzzuhro. 2017. Difusi Ion Ammonium ke Zeolit pada Slow Release Fertilizer Berbahan Baku Urea, Zeolit dan Asam Humat. *Tesis*. Politeknik Negeri Sriwijaya, Palembang.
- Frossling, N. 1938. On the evaporation of falling droplets. *Gerlands Beitr. Geophys. Leipzig* 50:170. German.

- Geankoplis, C. J., Hersel, A. A., dan Lepek, D. H. 2018. *Transport Processes and Separation Process Principles 5th Ed.* Prentice Hall, USA.
- Green, D. W. dan Perry, R. H. 2008. *Perry's Chemical Engineers' Handbook 8th Ed.* McGraw-Hill, USA.
- Harlianti, A. R. F. dan Wulandari, C. 2018. Laporan Kerja Praktek di Departemen Produksi I PT Petrokimia Gresik Periode: 02 Januari 2018 – 28 Februari 2018. *Tugas Akhir*. Fakultas Teknik, Universitas Gadjah Mada, Yogyakarta.
- Herjanto, E. 2008. *Manajemen Operasi 3rd*. Jakarta: Grasindo.
- Isla, M. A., Irazoqui, H. A., dan Genoud, C. M. 1993. Simulation of a Urea Synthesis Reactor 1. *Thermodynamic Framework. Ind. Eng. Chem. Res.*, 32 (11). Hal 2662 – 2670.
- Jonckers, S. K. dan Perree, M. H. F. 2000. Reactor for The Synthesis of Urea. United States Patent Number 6.165.315.
- Juneja, D. dan Kumar, J. 2013. Fabrication of Construction Materials in Urea Manufacturing Plants. *International Journal of Enhanced Research in Science Technology & Engineering*, 2(9), hal 56 – 59.
- Kern, D. Q. 1950. *Process Heat Transfer*. McGraw-Hill, USA.
- Lenntech. 2016. [Online] Available at: <https://www.lenntech.com/> [diakses 24 September 2023]
- Lin, D. T. W. dan Chen, C. K. 2004. A molecular dynamics simulation of TIP4P and Lennard-Jones water in nanochannel. *Acta Mechanica*, 173, hal. 181 – 194.
- Mangosuthu University of Technology. 2020. Equipment Design Lecture 25 Mass Transfer Equipment 3. *Chemical Process Design Principles 3 (CPDP031)*.
- Mathur, K. B. dan Epstein, N. 1974. Spouted Beds, 304.
- Mavrovic. 1975. Decomposition of Ammonium Carbamate. United States Patent.
- Megyesy, E. F. 1973. *Pressure Vessel Handbook 12th Ed.* Pressure Vessel Publishing, Inc., USA.
- Metcalf, dan Eddy. 2003. *Wastewater Engineering Treatment and Reuse*, 4th Ed. McGraw-Hill, USA.
- Mekari. <https://klikpajak.id/blog/metode-transfer-pricing-pajak-wajar/>
- Muljawan, A. 2019. Struktur Organisasi Perguruan Tinggi yang Sehat dan Efisien. *Jurnal Tahdzibi: Manajemen Pendidikan Islam*, 4 (2), hal. 67 – 76. Universitas Muhammadiyah Jakarta, Jakarta.
- NIST Chemistry WebBook. 2021. (<https://webbook.nist.gov/>).
- Noor, I., Arfiana, Finalis, E. R., Tjahjono, E. W., Suratno, H., Hamzah, Mulyono, A., Nuraini, L. D., Jaim, Suradi, dan Saputra, H. 2022. Pengembangan Formula Pupuk Buatan

Controlled Release Fertilizer (CRF) untuk Barang Merah (*Allium cepa*). *Vegetalika*, 11(3), hal. 196 – 206.

Peter max S., Timmer Klaus D., Ronald E.west,. 1968. *Plant Design and Economic for Chemical Engineer*, second Editon, Mc.Graw Hill, North America.

Powell, S. T. 1954. *Water Conditioning for Industry*. McGraw-Hill Book Company, Japan.

Rase, H. F. 1977. *Chemical Reactor Design for Process Plant, Volume One: Principles and Techniques*. John Wiley and Sons, Inc., USA.

Rasheed, S. A. 2011. Revamping Urea Synthesis Reactor using Aspen Plus. *Process Paper*, ureaknowhow.com.

Reksohadiprodjo. 2000. *Manajemen Produksi Edisi 4*. Yogyakarta: BPFE.

Ronaldo, A. dan Ilham, Z. 2018. Pembuatan Pupuk Urea Lepas Lambat Berlapis Sulfur dalam Spouted Bed. *Skripsi*. Fakultas Teknologi Industri, Institut Teknologi Sepuluh Nopember, Surabaya.

Sanou, Y., Pare, S., Baba, G., Segbeaya, N. K., dan Bonzi-Coulibaly, L. Y. 2016. Removal of COD in wastewaters by activated charcoal from rice husk. *Revue Des Sciences de l'Eau*, 29(3), 265–277. <https://doi.org/10.7202/1038927ar>.

Santoso, J. 2000. Perseroan Terbatas sebagai Institusi Kegiatan Ekonomi yang Demokratis. *Jurnal Hukum*, 7 (15), hal. 194 – 203. Universitas Islam Indonesia, Yogyakarta.

Sinnott, R. K., Coulson, J. M., dan Richardson, J. F. 2005. *Coulson and Richardson's Chemical Engineering Vol. 6*. Elsevier Butterworth-Heinemann, USA.

Sinnott, R. dan Towler, G. 2020. *Coulson and Richardson's Chemical Engineering Series: Chemical Engineering Design 6th Ed*. Elsevier, UK.

Smith, J. M., Van Ness, H. C., dan Abbott, M. M. 2005. *Introduction to Chemical Engineering Thermodynamics 7th International Ed.*, McGraw-Hill Chemical Engineering Series, Boston.

The Engineering ToolBox. 2004. www.engineeringtoolbox.com.

Tischer, S., Bornhorst, M., Amsler, J., Schoch, G., dan Deutschmann, O. 2019. Thermodynamics and Reaction Mechanism of Urea Decomposition. *Phys Chem. Chem. Phys.*, 21, hal. 16785 – 16797.

Treybal, R. E. 1981. *Mass Transfer Operation*, 3 ed. McGraw-Hill, Kogakusha, Ltd., Tokyo.

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

UU RI No. 40 Tahun 2007 tentang Perseroan Terbatas.

- Van't Land, C. M. 2004. *Industrial Crytalization Melt* 1st ed. CRC Press, Taylor & Francis Group.
- Walas, S. M. 1988. *Chemical Process Equipment* 3rd ed. Butterworths Series in Chemical Engineering. USA.
- Wang, X., Conway, W., Fernandes, D., Lawrance, G., Burns, R., Puxty, G., dan Maeder, M. 2011. Kinetics of the Reversible Reaction of CO_{2(aq)} with Ammonia in Aqueous Solution. *The Journal of Physical Chemistry*, 11(5), hal. 6405 – 6412.
- Willey, R. J. 2014. Layer of Protection Analysis. *Procedia Engineering*, 84, hal. 12 – 22. International Symposium on Safety Science and Technology, Boston.
- www.alibaba.com
- www.chemengonline.com
- www.matche.com
- www.mhhe.com
- Yaws, C. L. 1999. *Chemical Properties Handbook*. McGraw-Hill Handbooks, New York.
- Yulia, T. S. 2015. Pemupukan Padi Sawah. *Tabloid Sinar Tani*, Ed. 11, No. 3594, Tahun XLV.