

## DAFTAR PUSTAKA

- Aries, R. S. dan Newton, R. D., 1955, "Chemical Engineering Cost Estimation", McGraw-Hill, New York.
- Bank Indonesia, 2022, [https://www.bi.go.id/id/publikasi/ruang-media/news-release/Pages/sp\\_2413622.aspx#:~:text=Rapat%20Dewan%20Gubernur%20\(RDG\)%20Bank,Facility%20sebesar%204%2C25%25.](https://www.bi.go.id/id/publikasi/ruang-media/news-release/Pages/sp_2413622.aspx#:~:text=Rapat%20Dewan%20Gubernur%20(RDG)%20Bank,Facility%20sebesar%204%2C25%25.), diakses pada 7 Juni 2022.
- Bird, R.B., Stewart, W.E., Lightfoot, E.N. (2002). *Transport Phenomena 2<sup>nd</sup> Edition*. John Willey & Sons, Inc., New York.
- Brown, G. G., Katz, D., Foust, A. S., dan Schneidewind, C. (1950). *Unit Operation*, John Wiley and Sons, Inc., New York.
- Brownell, L.E and Young, E.H. (1959). *Equipment Design*, John Willey & Sons, Inc., New York.
- Choi, M. and Yoon, B. (2013) 'Study for production of zirconium sponge by separated-reduction process', 8th Pacific Rim International Congress on Advanced Materials and Processing 2013, PRICM 8, 3, pp. 2313–2316. doi: 10.1002/9781118792148.ch287.
- Concoa Precision Gas Controls. [online]. Available at: <<https://concoa.com/>> [Accessed 5 January 2022].
- Coulson, J. M. and Richardson, J. F. (1983). *Chemical Engineering*. Pergamon Press, Oxford.
- Couper, J.R., Penney, W.R., Fair, J.R., 2012, "Chemical Process Equipment: Selection and Design", 3 ed., Butterworth-Heinemann, Massachusetts
- Crowl, D. A. and Louvar, J. F. (2011). *Chemical Process Safety Fundamentals with Applications Third Edition*. Pearson Education, Inc. Boston.
- David R. Lide, ed. (2005). *CRC Handbook of Chemistry and Physics, Internet Version 2005*, <<http://www.hbcnetbase.com>>, CRC Press, Boca Raton, FL.
- Department of Physics University of Illinois at Urbana-Champaign. [online]. Available at: <<https://van.physics.illinois.edu/>> [Accessed 1 January 2022].

- Geankoplis, C. (1993). *Transport Processes and Unit Operations*. Engelwood Cliffs, N.J.: PTR Prentice Hall.
- Hartoyo dan Kurniawan, W. (2019). Prarancangan Pabrik Zirkonium dari Pasir Zirkon Kalimantan Tengah dengan Kapasitas 1500 Ton/Tahun. Universitas Gadjah Mada.
- Herman, A. dan Jeffress, C. (2000) *Process Safety Management (PSM)*. Washington, D.C.: OSHA.
- Jazini, M. H., Ghoreishi, S. M. and Dadkhah, A. A. (2010) ‘Modeling of carbochlorination of zircon in fluidized bed reactor’, *Metallurgical and Materials Transactions B: Process Metallurgy and Materials Processing Science*, 41(1), pp. 248–254. doi: 10.1007/s11663-009-9322-3.
- Ken Whitelaw. 1997. “ISO 14001 *Environmental System Handbooks*”. Jordan Hillm, Oxford.
- Keputusan Gubernur Kalimantan Tengah Nomor 188.44/445/2021 mengenai Upah Minimum Kabupaten/Kota di Provinsi Kalimantan Tengah Tahun 2022, diakses pada 15 Juni 2022.
- Kern, D.Q. (1950). *Process Heat Transfer : International Student Edition*. Mc.Graw Hill Co .
- Lenntech, 2016, [www.lenntech.com](http://www.lenntech.com), diakses pada 27 Maret 2021.
- Manieh, A.A. dan Spink, D.R. (1973). *Chlorination of Zircon Sand*. Canadian Metallurgical Quarterly, 12(3), 331-340.
- Material Safety Data Sheet*.
- McCabe, W.L, Smith, J.C., Harriott, P. (1993). *Unit Operations of Chemical Engineering 5<sup>th</sup> Edition*, McGeaw-Hill, Inc., New York.
- McGraw-Hill Higher Ed, 2002, <http://www.mhhe.com/engcs/chemical/peters/data/ce.html>, diakses pada 14 Juni 2022.
- Milligan D. dan Miligan J, Matches, 2014, <http://www.matche.com/equipcost/EquipmentIndex.html>, diakses pada 11 Juni 2022.
- Peraturan Kementrian Lingkungan Hidup Republik Indonesia Nomor 5 Tahun 2014 tentang Baku Mutu Air Limbah Industri Petrokimia

Peraturan Pemerintah Republik Indonesia No. 41 Tahun 1999 tentang Pengendalian Pencemaran Udara, diakses 31 Maret 2021.

Perry, R.H. (1997). *Perry's Chemical Engineers' Handbook*, 7<sup>th</sup> ed. United States of America. Mc.Graw Hill Co

Peters, M. S. dan Timmerhaus, K. D., 1991, "Plant Design and Economics for Chemical Engineers", 4<sup>th</sup> ed, McGraw-Hill, Singapura.

Perry, R.H. (1997). *Perry's Chemical Engineers' Handbook*, 7<sup>th</sup> ed. United States of America. Mc.Graw Hill Co

Plant Cost Index, 2022, <https://www.chemengonline.com/site/plant-cost-index/>.

Powell, S.T., 1954, "Water Conditioning for Industry", 1<sup>st</sup> ed., Mc Graw Hill Book Co., Tokyo.

Pubchem.ncbi.nlm.nih.gov. n.d. *Pubchem*. [online] Available at: <<https://pubchem.ncbi.nlm.nih.gov/>> [Accessed 31 December 2021]

Rase, H. F., dan Barrow, M. H. (1977). *Chemical Reactor Design for Process Plant*, 1<sup>st</sup> ed., Mc Graw Hill Book Company, Inc., New York.

Schweitzer, P.A. (1979). *Handbook of Separation Techniques for Chemical Engineers*. McGraw Hill Co.

Shin, J.H dan Park, J.H. (2015). *Diffusion Coefficient of Gaseous Zirconium Tetrachloride* (ZrCl<sub>4</sub>). *Fluid Phase Equilibria*, Volume 389, 2015, Pages 4-8, ISSN 0378-3812, <https://doi.org/10.1016/j.fluid.2015.01.006>.

Smith, J.M., Van Ness, H.C., Abbott, M.M. (2004). *Introduction to Chemical Engineering Thermodynamics*. Mc.Graw Hill Co.

Sulistyo. (2005). Pembuatan Zirkon Tetraklorida dari Pasir Zirkon dengan Proses Kering Secara Langsung. *Ganendra* (8),1, pp. 15-22

Sunardjo, dkk. 2007. Klorinasi Pasir Zirkon dalam Bentuk Briket. P3TM Batan. Badan Tenaga Nuklir Nasional

Suseno, T. et al. (2013) 'Kajian prospek pengembangan usaha peningkatan nilai tambah zirkon', Pusat Penelitian Dan Pengembangan Teknologi Mineral Dan Batubara Badan Penelitian Dan Pengembangan Teknologi Mineral Dan Batubara Kementerian Energi Dan Sumber Daya Mineral.

The Engineering Toolbox. [online]. Available at: <<https://www.engineeringtoolbox.com/>> [Accessed 2 January 2022].

- Treybal, R.E. 1968. *Mass Transfer Operations. 2nd Edition*. New York, McGraw Hill.
- Trivonov, K.I., Larionov, A.S., Krotov, V.E., Nikiforov, A.F. (2021). *Viscosities of the  $KAlCl_4$ - $ZrCl_4$ - $HfCl_4$  Salt Melts*. Russ Metall, 954-956 (2021).  
<https://doi.org/10.1134/S0036029521080188>
- Tsirel'nikov, V.I., Komissarova, L.N., Spitsyn, V.I. (1961). *Thermal Conductivity and Viscosity of Zirconium Tetrachloride and Hafnium Tetrachloride Vapors in The Temperature Range of 300 to 700 C*. Doklady Akad. Nauk S.S.S.R. Vol. 139
- Ulrich G.D., 1984, "A Guide to Chemical Engineering Process Design and Economics", John Wiley & Sons, Inc., New York.
- Walas, S.M. (1990). *Chemical Process Equipment : Selection and Design*. Washington D.C.
- Xu, L., Xiao, Y., Sandwijk, A., Xu, Q., Yang, Y. (2015). *Production of Nuclear Grade Zirconium : A Review*. Journal of Nuclear Materials ,466, pp.21-28
- Yaws, C. L. (1999). *Chemical Properties Handbook : Physical, Thermodynamic, Environmental, Transport, Safety, and Health Related Properties for Organic and Inorganic Chemicals*. New York, McGraw-Hill.