

DAFTAR PUSTAKA

- Alibaba.com (2023). Retrieved November 27, 2023, from <https://www.alibaba.com/>
- Aries, R. S., & Newton, R. D. (1955). Chemical Engineering Cost Estimation. In McGraw-Hill (Vol. 33, Issue 4). <https://doi.org/10.1021/ed033p19>
- Asset Integrity Engineering. AIE's Safety Engineering Team Discuss Major Accident Hazards and Bowtie Analysis. Retrieved November 27, 2023, from <https://www.assetintegrityengineering.com/aies-safety-engineering-team-discuss-major-accident-hazards-and-bowtie-analysis/>
- Australian Industrial Chemicals (2020). *Difference between blending and manufacturing chemicals*. Department of Health and Age Care, Australian Government. Dilihat pada 7 November 2022.
- Buku Data Status Lingkungan Hidup Daerah Kabupaten Indragiri Hilir (2009). Pemerintah Kabupaten Indragiri Hilir Provisin Riau.
- Bintoro, A., & Abidin, D. M. (2016). Pengukuran Total Alkalinitas Di Perairan Estuari Sungai Indragiri Provinsi Riau. *Buletin Teknik Litkayasa Sumber Daya Dan Penangkapan*, 12(1), 11–14. <http://ejournal-balitbang.kkp.go.id/index.php/btl/article/view>
- Brown. G.G. and Foust. A.S. (1961). "Unit Operation". John Willey and Sons Inc. New York.
- Brownell. L.E. and Young. E.H. (1959). "Process Equipment Design". 2nd Ed. John Willey and Sons. Inc. New York.
- Cavallo, P. Cesar. *et al.* (2014). Extracting Kinetic Parameters of Aniline Polymerization from Thermal Data of a Batch Reactor. Simulation of the Thermal Behavior of a Reactor. Wiley Periodicals Inc. DOI: 10.1002/app.39409
- Chan W. C. R. (1983). Ph.D. thesis, Department of chemical engineering, University of Washington
- Chemo. High Quality Chemical Properties. (Online) Chemo.com.
- Chemicals & Laboratory Equipment. Material Safety Data Sheet (sciencelab.com)
- Chemistry LibreTexts. Chapter 15.5: Heats of Formation. (2019). Visited on December 28, 2022.



- Dirisu, J. O. Salawu E. Y., Oyedepo S. O., Fayomi O. S. I., Banjo, S. O., Daniel, M. M., Fasuba D. M. (2020). Characterization of Selected Biomass Materials as Potential Additives for Developing an Eco-friendly Ceiling Composite. *International Journal of Engineering Research and Technology*, 13(8), pp. 2023-2029.
- Duan, X.H., Srinivasakannan, C., Yang, K.B., Peng, J.H. and Zhang, L.B. (2012). Effects of heating method and activating agent on the porous structure of activated carbons from coconut shells. *Waste and Biomass Valorization*, 3(2), pp.131-139.
- Dupont, C., Chiriac, R., Gauthier, G. and Toche, F. (2014). Heat capacity measurements of various biomass types and pyrolysis residues. *Fuel*, 115, pp.644-651.
- Fagbemi, L., Khezami, L. and Capart, R. (2001). Pyrolysis products from different biomasses: application to the thermal cracking of tar. *Applied energy*, 69(4), pp.293-306.
- Filtration Principles and Processes. Particulate Processing Course. Chemical Engineering Department, Faculty of Engineering, Universitas Gadjah Mada.
- Fogler, H. Scott. (2006). Elements of Chemical Reaction Engineering. 4th ed. Ann Arbor: University of Michigan.
- Fortune Business Insights (2021). *Electric Vehicle Market Size, Share & COVID-19 Impact Analysis, By Vehicle Type (Passenger Car And Commercial Vehicle), By Type (Battery Electric Vehicle (BEV), Plug-In Hybrid Electric Vehicle (PHEV), And Hybrid Electric Vehicle (HEV)) and Regional Forecasts, 2021-2028*. Fortune Business Insights. Dilihat pada 7 November 2022.
- Fu, Y., & Elsenbaumer, R. L. (1994). Thermochemistry and kinetics of chemical polymerization of aniline determined by solution calorimetry. *Chemistry of materials*, 6(5), 671-677.
- Geankoplis, J. C. (1993). *Transport Processes and Unit Operations* (Third Edition). ISBN 013-045232-X
- Green, D.W. and Perry, R.H. (2007) Perry's Chemical Engineers' Handbook. 8th Edition, McGraw-Hill Professional, New York.
- Holman, J.P. (2010) Heat Transfer. 10th Edition, McGraw-Hill, New York.



Huang, Z., Li, L., Wang, Y., Zhang, C. and Liu, T. (2018). *Polyaniline/graphene nanocomposites towards high-performance supercapacitors: a review. Composites Communications*, 8, pp.83-91.

Kementrian Perindustrian Republik Indonesia (2014). PSG Akan Terus Ekspansi. Dilihat pada 9 November 2022.

Kern, D.Q. (1950). *Process Heat Transfer*. Mc Graw Hill, New York.

Kothandaraman, C.P. (2006). *Fundamentals of Heat and Mass Transfer (Revised Third Edition)*. ISBN (13): 978-81-224-2642-7

Kumar, A., Depan, D., Tomer, N., dan Singh, R. (2009). *Nanoscale particles for polymer degradation and stabilization – Trends and future perspectives*.

Laporan Indeks Kualitas Lingkungan Hidup Kabupaten Indragiri Hilir (2022). Dinas Lingkungan Hidup dan Kebersihan Kabupaten Indragiri Hilir.

Laporan SLHD (2009). Kabupaten Inhil.

Li, W., Yang, K., Peng, J., Zhang, L., Guo, S. and Xia, H. (2008). Effects of carbonization temperatures on characteristics of porosity in coconut shell chars and activated carbons derived from carbonized coconut shell chars. *Industrial crops and products*, 28(2), pp.190-198.

Long-Cheng Tang *et al.* (2019). *Mechanical Properties of Rubber Nanocomposite Containing Carbon Nanofillers*. Hangzhou Normal University.

Milligan, D., & Milligan, J. (2014). Matches. Retrieved May 16, 2018, from <http://matche.com/equipcost/EquipmentIndex.html>

Naseri, F., Karimi, S., Farjah, E. and Schaltz, E. (2021). *Supercapacitor management system: A comprehensive review of modeling, estimation, balancing, and protection techniques*. *Renewable and Sustainable Energy Reviews*, p.111913.

NIST Chemistry Webbook. NIST SRD Number 69. DOI: <https://doi.org/10.18434/T4D303>

Park, H.C., Yun, D.W., Choi, M.K. and Choi, H.S. (2022). Study on biomass fast pyrolysis kinetics in an isothermal spouted-bed thermogravimetric analyzer and its application to CFD. *Journal of Analytical and Applied Pyrolysis*, 168, p.105777.



- Peters, M. S., Timmerhaus, K. D., & West, R. E. (2002). *Equipment Costs for Plant Design and Economics for Chemical Engineers*. Retrieved May 14, 2018, from <http://www.mhhe.com/engcs/chemical/peters/data/ce.html>
- Peters, M., Timmerhaus, K., West, R., & Peters, M. (2003). *Plant Design and Economics for Chemical Engineers*.
- Perry, R. H. (1997). *Perry's Chemical Engineers' Handbook*, 7th Edition, McGraw-Hill, New York.
- Pladis, P., Kiparissides, C., (2014). *Polymerization Reactors*. DOI: <https://doi.org/10.1016/B978-0-12-409547-2.10908-4>
- Powell, S.T. (1954). *Water Conditioning for Industry*, 1st ed., McGraw Hill Book Company, Inc., New York
- Precedence Research (2022). *Supercapacitors Market (By Product Type: Double-Layer Capacitor, Pseudocapacitors, Hybrid Capacitors; By Module Type; By Material Type: Activated Carbon, Carbide Derived Carbon, Carbon Aerogel, Others; By Application Type: Automotive, Industrial, Energy, Consumer Electronics, Aerospace and Defense) – Global Industry Analysis, Market Size, Share, Growth, Trends, Regional Outlook and Segment Forecasts 2022-2030*. Precedence Research. Dilihat pada 7 November 2022.
- Pusparisa, Y. (2020). *Proyeksi Jumlah Kendaraan Listrik di Indonesia Hingga 2030*. Databoks. Dilihat pada 7 November 2022.
- Ramadhani, L., Nurjannah, I., Yulistiani, R., dan Saputro, E. (2020). 'Review: teknologi aktivasi fisika pada pembuatan karbon aktif dari limbah tempurung kelapa'. Program Studi Teknik Kimia, Fakultas Teknik, Universitas Pembangunan Nasional "Veteran" Jawa Timur.
- Rase, H. F. (1977). *Chemical Reactor Design for Process Plants* (Vol. 10, Issue 393). John Wiley & Sons.
- Rout, T., Pradhan, D., Singh, R.K. and Kumari, N. (2016). Exhaustive study of products obtained from coconut shell pyrolysis. *Journal of environmental chemical engineering*, 4(3), pp.3696-3705.



- Sapurina, I., Stejskal, J. (2008) 'Review The mechanism of the oxidative polymerization of aniline and the formation of supramolecular polyaniline structures', *Polym Int*, 57, hal. 1295–1325. doi: 10.1002/pi.
- Sharaf, S. et al., Development of a Novel Conductive CMC\Polyaniline Hydrogel. (2015). *International Journal of Current Research*, 9(6), 17366-17370.
- Sinnott, R. K. (2005). *Coulson and Richardson's Chemical Engineering Design*. In Elsevier (Vol. 6).
- Sinnott, R. dan Towler, G. (2019) *Chemical Engineering Design, Chemical Engineering Design: SI Edition*. doi: 10.1016/B978-0-08-102599-4.09980-X.
- Smith, J. M., Van Ness, H. C., Abbot, M. M., & Swihart, M. T. (1950). Introduction to chemical engineering thermodynamics. In *Journal of Chemical Education* (Vol. 27, Nomor 10). <https://doi.org/10.1021/ed027p584.3>
- Solid-Liquid Separation, pg. 393-408. DOI: <https://doi.org/10.1016/B978-075064568-3/50038-9>
- Stejskal, J. Polyaniline. (2002). Preparation of a Conducting Polymer (IUPAC Technical Report). *Pure Applied Chemistry*, Vol. 74, No. 5, pp. 857-867.
- The Complete Guide to Different Types of Heat Exchangers. September 3, 2021. The Complete Guide to Different Types of Heat Exchangers - Industrial Power Cooling UK (ipcuk.com). Visited on January 8, 2022.
- Towaha, J., Indriati G., dan Rusli (2008). *Komponen Buah dan Fitokimia Daging Buah Kelapa Genjah*, ISSN: 1410-0029, *Agrin* Vol. 12, No.1, April 2008.
- Treybal, R. E. (1981). *MASS-TRANSFER OPERATIONS* (3rd ed.). McGraw-Hill Chemical Engineering Series.
- Ulrich D, G. (1984). *A Guide to Chemical Engineering Process Design and Economic*.
- Utsev, J.T. and Taku, J.K. (2012). Coconut shell ash as partial replacement of ordinary Portland cement in concrete production. *International Journal of Scientific and Technology Research*, 1(8), pp.86-89.
- Wijayanto, N. (2022). Harta Karun Migas RI Terancam Habis Tak Sampai 20 Tahun Lagi, Ini Buktinya! *SINDOnews.com*, 22 Juli. Dilihat pada 7 November 2022.



Willey, R.J. (2014). Layer of Protection Analysis. 2014 International Symposium on Safety Science and Technology (2014ISST). Department of Chemical Engineering, Northeastern University, Boston, Mass., 02115, USA. DOI: 0.1016/j.proeng.2014.10.405

Williams, J. (2015). *The science and technology of composite materials*. Australian Academy of Science. Dilihat pada 7 November 2022.

Yaws, C. L. (1999). *Chemical properties handbook*. McGraw-Hill Education.

Yoshio, H. (2021). Mobil Listrik di Indonesia Diproyeksikan Tumbuh Pesat. Databoks. Dilihat pada 7 November 2022.

Zulkifli, B. J. (2011). Kapasitor Untuk Menyimpan Energi Rem. KOMPAS.com, 29 November. Dilihat pada 7 November 2022.