



PRA RENCANA PABRIK

PABRIK CARBON DARI *PALM KERNEL SHELL* DENGAN PROSES *ACTIVATION*

DAFTAR PUSTAKA

- AWWA (American Water Works Association). 1990. "Water Treatment Plant Design". 2nd Edition. Singapura: Mc Graw-Hill Book, Co.
- Badan Standarisasi Nasional 2011 "Standar Nasional Indonesia Alumunium Sulfat", SNI 0032:2011.
- Badan Standarisasi Nasional 2011 "Standar Nasional Indonesia Asam Sulfat", SNI 06-0030-1999.
- Badger, Walter L. and McCabe, Warren L. 1936, "Elements of Chemical Engineering", Tokyo: Mc Graw Hill Book Company.
- Benanti, E. et al. 2011, "Simulation of Olive Pits Pyrolysis In a Rotary Kiln Plant", Thermal Science, 15(May 2015), pp. 145–158. doi: 10.2298/TSCI090901073B.
- Biro Pusat Statistik. 2021, "Export – Import Sektor Industri", Jakarta Pusat: Badan Pusat Statistik.
- Brown, G. G. 1978, "Unit Operation", 3rd Edition, Tokyo: McGraw Hill International Book Company.
- Brownell dan Young, 1959, "Process Equipment Design", New Delhi: Wiley Estern Limited.
- Chandra, Satish 1996, "Waste Materials Used in Concrete Manufacturing", Elsevier Publishing.
- Day, R. A. dan A. L. Underwood 2002, "Analisis Kimia Kuantitatif", Edisi Keenam, Jakarta: Erlangga.
- Dewi, T K, Arief N, Edwin P 2009, 'Pembuatan Karbon Aktif Dari Kulit Ubi Kayu (*Mannihot Esculenta*)', *Jurnal Teknik Kimia*, vol. 16, no. 1, hh. 24-30.
- Dewi R, Azhari dan Indra N 2020 'Aktivasi Karbon Dari Kulit Pinang Dengan Menggunakan Aktivator Kimia KOH', *Jurnal Teknologi Kimia Unimal*, vol. 9, no. 2, hh. 12-22.
- Felder, Richard M. dan Rousseau, Ronald W. 2005, "Elementary Principles of Chemical Processes", Third Edition. New York: John Wiley & Sons Inc.



PRA RENCANA PABRIK

PABRIK CARBON DARI *PALM KERNEL SHELL* DENGAN PROSES *ACTIVATION*

-
- Geankoplis Christie J. 1997, "Transport Processes and Unit Operation", 3rd Edition, New Delhi: Prentice Hall International, Inc.
- Harahap, H H, Malik U, Dewi R, "Pembuatan Karbon Aktif dari Cangkang Kelapa Sawit dengan Menggunakan H₂O Sebagai Aktivator Untuk Menganalisis Proksimat, Bilangan Iodine dan Rendemen", *Jurnal Online Mahasiswa (JOM) Fakultas Matematika dan Ilmu Pengetahuan Alam (FMIPA)*, vol. 1, no. 2, hh. 48-54.
- Hardiansyah, R. dan Afiuddin, A. E. 2011, "Perancangan Bag Filter pada Ruang Packing Industri Tepung Terigu", Conference Proceeding on Waste Treatment Technology, (2623), pp. 45–50.
- Hartoyo, Hudaya, N. dan Fadli. 2009. "Pembuatan Arang Aktif dari Tempurung Kelapa dan Kayu Bakau dengan Cara Aktivasi Uap". *Jurnal Penelitian Hasil Hutan*, 8(1), pp. 8–16.
- Hesse, H. C. 1962, "Proses Equipment Design", 8th print, New Jersey: Van Nostrand Reinhold Company Inc.
- Himmelblau, D. M. 1989, "Basic Principles and Calculations in Chemical Engineering", 5th ed. Singapore: Prentice-Hall International.
- Joshi ,M.V., "Proses Equipment Design", McGraw Hill Company Ltd, 1981.
- Kern, Donald Q. 1988, "Process Heat Transfer", Singapore: Mc Graw Hill Book Company.
- Khairunnisa, dkk 2015, "Evaluasi Persiapan dan Pelaksanaan Proyek Komersialisasi Gas Lapangan X Untuk Memenuhi Syarat Volume dan Tekanan pada Kontrak Perjanjian Jual Beli Gas (Pjbg) di PT Pertamina EP Asset 1 Field Jambi", *Jurnal Ilmu Teknik Sriwijaya*, vol.3, no. 2
- Kirk, R. E. & Othmer, D. F. 1998, "Encyclopedia of Chemical Technology", Volume 4th edition, New York: A Wiley Interscience Publisher Inc.
- Kunii, Daizo dan Octave, Levenspiel 1991, "Fluidization Engineering", USA: Butterworth-Heinemann.
- Lesniak et al, 2013. "The Determination of The Specific Heat Capacity of Coal Based on Literature Data", *Chemik Journal*, vol. 67, no. 6, hh. 560-571.



PRA RENCANA PABRIK

PABRIK CARBON DARI *PALM KERNEL SHELL* DENGAN PROSES **ACTIVATION**

- Ludwig, E. 1964, "Applied Process Design for Chemical and Petrochemical", Vol I, Houston, Texas: Gulf publishing Co.
- McCabe, W. L. 1993, "Unit Operation of Chemical Engineering", 5th ed, New York: Mc Graw Hill.
- Menkes 2017, "Peraturan Menteri Kesehatan Republik Indonesia Nomor 32 Tahun 2017 Tentang Standar Baku Mutu Kesehatan Lingkungan dan Persyaratan Kesehatan Air Untuk Keperluan Higiene Sanitasi, Kolam Renang, Solus per Aqua, dan Pemandian Umum"
- Nainggolan, J 2009, 'Pengaruh Slow Heating pada Saat Karbonisasi terhadap Kualitas Karbon Tempurung Kelapa', *Jurnal Visi*, vol. 17, no. 2, hh. 198-206.
- National Institute of Standards dan Technology. 2016, "Properties of Water and Steam (Thermodynamic Properties of Ordinary Water Substance)", Indian Institute of Technology Bombay.
- Nurdiansah, H, Diah S 2013, 'Pengaruh Variasi Temperatur Karbonisasi dan Temperatur Aktivasi Fisika dari Elektroda Karbon Aktif Tempurung Kelapa dan Tempurung Kluwak Terhadap Nilai Kapasitansi Electric Double Layer Capacitor (EDLC)', *Jurnal Teknik Pomits*, vol. 2, no. 1.
- Olutoge, dkk 2012, "Investigation of The Strength Properties of Palm Kernel Shell Ash Concrete", *Engineering, Technology & Applied Science Research*, vol. 2, no. 6, hh. 315-319.
- Permana E, dkk 2019, "Analisis Mutu Karbon Aktif dari Cangkang Kelapa Sawit Menggunakan Larutan Aktifator $ZnCl_2$ ", *Jurnal Teknologi*, vol. 12 no. 2, hh. 170-175.
- Perry 1980, "Perry's Chemical Engineering Hand Book", 6th Edition, New York: Mc Graw Hill Book Company, Inc.
- Perry. 1999, "Perry's Chemical Engineering Hand Book", 7th Edition. New York: Mc Graw Hill Book Company, Inc.
- Perry 2008, Chemical Engineering Book (8th ed.), New York: Mc-Graw Hill.
- Peters dan Timmerhaus. 1991, "Plant Design and Economic for Chemical Engineering", 4th ed, New York: Mc Graw Hill Inc.



PRA RENCANA PABRIK

PABRIK CARBON DARI *PALM KERNEL SHELL* DENGAN PROSES **ACTIVATION**

-
- Promraksa, et al 2020, “Biochar Production from Palm Oil Mill Residues and Application of The Biochar to Adsorb Carbon Dioxide”, *Heliyon Journal*, vol. 6.
- Raju, M, “Karakterisasi Arang dan Gas-gas Hasil Pirolisis Limbah Kelapa Sawit”, *JTEP Jurnal Keteknikan Pertanian*, vol. 4, no. 2, hh. 153-160.
- Ramadhani, L F, dkk 2020, ‘Teknologi Aktivasi Fisika Pada Pembuatan Karbon Aktif Dari Limbah Tempurung Kelapa’, *Jurnal Teknik Kimia*, vol. 26, no. 2, hh. 42-53.
- Reklaitis, G. V. 1983, “Introduction to Material and Energy Balances”, United States of America: John Wiley and Sons Inc.
- Severn, W.H., Degler, H.E., dan Miles, J.C. 1954, “Steam, Air and Gas Power”, 5th Edition, New York: John Wiley and Sons, Inc.
- Shofa 2012, “Pembuatan Karbon Aktif Berbahan Baku Ampas Tebu dengan Aktivasi Kalium Hidroksida”, Depok: Universitas Indonesia.
- Sugiharto. 1987, “Dasar-Dasar Pengelolaan Air Limbah”, Cetakan Pertama. Jakarta: Universitas Indonesia Press.
- Treybal, Robert E. 1981, “Mass Transfer Operations”, 3rd Edition, New York: Mc Graw Hill, Inc.
- Ulrich, G. D. 1984, “A Guide to Chemical Engineering Process Design and Economics”, New York: John Wiley & Sons Inc.
- Van Ness, H. C., & Smith, J. M. 2005, “Introduction to Chemical Engineering Thermodynamics”, 7th Edition, New York: McGraw-Hill Book Company Inc.
- Walas, Stanley M. 1990, “Chemical Process Equipment – Selection and Design”, University of Kansas: Butterworth-Heinemann.
- Wesley, W. E. 1989, “Industrial Water Pollution Control”, 2nd Edition, Singapore: McGraw-Hill Book Company Inc.