

DAFTAR PUSTAKA

- Abbasi, W.A., 1998, "Sorption of uranium from nitric acid solution using TBP-impregnated activated carbon", Solvent Extraction and Ion Exchange, Vol. 16, No. 5, hal. 1303-1320.
- Adiningtyas, A., dan Mulyono, P., 2016, "Kinetika Adsorpsi Nikel (II) dalam Larutan Aqueous dengan Karbon Aktif Arang Tempurung Kelapa", Jurnal Rekayasa Proses, Vol. 10, No. 2, hal. 36-42.
- Apriliani, A., 2010, Pemanfaatan Arang Ampas Tebu Sebagai Adsorben Ion Logam Cd, Cr, Cu, dan Pb dalam Air Limbah, Skripsi : Program Studi Kimia Universitas Islam Negeri Syarif Hidayatullah, Jakarta.
- Bridgwater, T., 2010, 'Biomass Pyrolysis', Birmingham : Aston University Bioenergy Research Group, IEA Bioenergy.
- Chen, C.Y, Lin, C.I., dan Chen, H.K., 2003, "Kinetics of Adsorption of β -Carotene from Soy Oil with Activated Rice Hull Ash", J. Chem. Eng. Japan, Vol. 36, No. 3, hal. 265-270.
- Christmann, K., 2012, Thermodynamics and Kinetics of Adsorption, Institut fur Chemie und Biochemie, Freie Universitat Berlin (internet), IMPRS-Lecture Series 2012. http://w0.rz-berlin.mpg.de/imprs-cs/download/Vortrag_IMPRS_Schmoeckwitz_Mi_9-11_KChrist.pdf (diakses 20 Oktober 2017).
- Coates, J., 2000, Interpretation of Infrared Spectra, A Practical Approach, dalam Encyclopedia of Analytical Chemistry, Diedit oleh Meyers, R.A., Chichester : John Wiley & Sons Ltd, hal 10815-10837.
- Freundlich, H.M.F., 1906, "Over the adsorption in solution", J. Phys. Chem, Vol. 57, hal. 385-470.
- Fujiwara, K., Yamana, H., Fujii, T., Kawamoto, K., Sasaki, T., dan Moriyama, H., 2005, "Solubility product of hexavalent uranium hydrous oxide", Journal of Nuclear Science and Technology, Vol. 42, No. 3, hal. 289-294.
- Hanum, F., Gultom, R.J., dan Simanjuntak, M., 2017, "Adsorpsi Zat Warna Metilen Biru dengan Karbon Aktif dari Kulit Durian Menggunakan KOH dan NaOH Sebagai Aktivator", Jurnal Teknik Kimia USU, Vol. 6, No. 1, hal. 49-55.
- Ho, Y.S., dan McKay, G., 1999, "Pseudo-second order model for sorption processes", Process Biochemistry, Vol. 34, Issue 5, hal. 451-465.

- Ilmi, M.M., Khoiroh, N., Firmansyah, T.B., dan Santoso, E., 2017, “Optimasi Penggunaan Biosorbent Berbasis Biomassa: Pengaruh Konsentrasi Aktivator Terhadap Luas Permukaan Karbon Aktif Berbahan Eceng Gondok (*Eichornia Crossipes*) untuk Meningkatkan Kualitas Air”, Jurnal Teknik Mesin (JTM), Vol. 06, No. 2, hal. 129-136.
- Karim, M.M., Das., A.K., dan Lee, H.S., 2006, “Treatment of colored effluent of the textile industry in Bangladesh using zinc chloride treated indigenous activated carbon”, *Analytica Chimica Acta*, Vol. 576, hal. 37-42.
- Khoriatin, I.W., Giyatmi, dan Wijaya, G.S., 2014, Mekanisme dan Termodinamika Adsorpsi Zeolit Alam Teraktivasi untuk Pengolahan Limbah Uranium, Tugas Akhir : Sekolah Tinggi Teknologi Nuklir – BATAN, Yogyakarta.
- Kumar, A., Tripathi, R. M., Rout, S., Mishra, M. K., Ravi, P. M., dan Ghosh, A. K., 2014, “Characterization of groundwater composition in Punjab state with special emphasis on uranium content, speciation and mobility”, *Radiochimica Acta*, Vol. 102, No. 3, hal. 239–254.
- Kutahyali, C., dan Eral, M., 2004, “Selective adsorption of uranium from aqueous solutions using activated carbon prepared from charcoal by chemical activation”, *Separation and Purification Technology*, Vol. 40, hal. 109-114.
- Lagergren, S.Y., 1898, “Zur Theorie der sogenannten Adsorption gel oster Stoffe”, *Kungliga Svenska Vetenskapskad. Handlingar*, Vol. 24, hal. 1–39.
- Langmuir, I., 1918, “The adsorption of gases on plane surface of glass, mica and platinum”, *Journal of The American Chemical Society*, Vol. 40, No. 9, hal. 1361-1403.
- Liu, W.J., Jiang, H., Tian, K., Ding, Y.W., dan Yu, H.Q., 2013, “Mesoporous Carbon Stabilized MgO Nanoparticles Synthesized by Pyrolysis of $MgCl_2$ Preloaded Waste Biomass for Highly Efficient CO_2 Capture”, *Environmental Science and Technology*, hal. 1-27.
- Mahmud, Z., dan Ferry, Y., 2005, “Prospek Pengolahan Hasil Samping Buah Kelapa”, *Perspektif*, Vol. 4, No. 2, hal. 55-63.
- Mookherjee, M., dan Stixrude, L., 2006, “Highpressure proton disorder in brucite”, *American Mineralogist*, Vol. 91, hal. 127-134.
- Mulyono, P., dan Kusuma, W.M., 2010, “Kinetika Adsorpsi Phenol dalam Air dengan Arang Tempurung Kelapa”, *Jurnal Forum Teknik*, Vol. 33, No. 2, hal. 103-110.

- Nguyen, C., dan Do., D.D., 2001, "The Dubinin-Radushkevich equation and the underlying microscopic adsorption description", *Carbon*, Vol. 39, hal. 1327-1336.
- Nsimba, E.B., 2012, Development of Biophysical System Based On Bentonite, Zeolite and Micro-organisms for Remediating Gold Mine Wastewaters and Tailings Ponds, Thesis : University of the Witwatersrand.
- Shao, L., Zhou, Y., Chen, J.F., Wu, W., dan Lu, S.C., 2005, "Buffer behavior of brucite in removing copper from acidic solution", *Minerals Engineering*, Vol. 18, hal. 639-641.
- Sun, X., Huang, X., Liao, X.P., dan Shi, B., 2010, "Adsorptive recovery of UO_2^{2+} from aqueous solution using collagen-tannin resin", *Journal of Hazardous Materials*, Vol. 179, hal. 295-302.
- Stumm, W. dan Morgan, J.J. (1996). *Aquatic Chemistry : Chemical Equilibria in Natural Water*, Third Edition, New York : John Willey & Son, Inc.
- Surendranathan, A.O., 2015, *An introduction to ceramics and refractories*, New York : CRC Press.
- Tamura, H., Tanaka, A., Mita, K., dan Furuichi, R., 1999, "Surface Hydroxyl Site Densities on Metal Oxides as a Measure for the Ion-Exchange", *Journal of Colloid and Interface Science*, Vol. 209, hal. 225-231.
- Tavengwa, N.T., Cukrowska, E., dan Chimuka, L., 2016, "Modeling of adsorption isotherms and kinetics of uranium sorption by magnetic ion imprinted polymers", *Toxicological and Environmental Chemistry*, Vol 98, No1, hal. 1 – 12.
- Vodolazov, L.I., Shatalov, V.V., Molchanova, T.V., dan Paganov, V.A., 2001, "Polymerizations of uranyl ions and its role in ion exchange extraction of uranium", *Atomic Energy*, Vol. 90, No. 3, hal. 213-217.
- Wang, G., Liu, J., Wang, X., Xie, Z., dan Deng, N., 2009, "Adsorption of uranium (VI) from aqueous solution onto cross-linked chitosan", *Hazardous Materials*, Vol. 168, hal. 1053-1058.
- Wisnubroto, S.D., 2003, "Pengelolaan Limbah NORM/TENORM dari Kegiatan Industri Non Nuklir", *Prosiding Seminar Aspek Keselamatan Radiasi dan Lingkungan pada Industri Non-Nuklir*, Jakarta, hal. 49-59.