

DAFTAR PUSTAKA

- [1] (US) Division Of Public Health. *Frequently Asked Questions Stronsium-90*. Delaware Health and Social Services, New Castle, 2014.
- [2] Argonne National Laborator. *Human Health Fact Sheet of Stronsium*. Argonne National Laboratory, Illinois, 2001.
- [3] José María Rivera, Susana Rincón, Cherif Ben Youssef, Alejandro Zepeda. *Highly Efficient Adsorption of Aqueous Pb(II) with Mesoporous Metal-Organic Framework-5: An Equilibrium and Kinetic Study*. Hindawi Publishing Corporation Journal of Nanomaterials, Orizaba, 2016.
- [4] Liu, Xin. *Syntheses, Structures and Properties of MetalOrganic Frameworks*. TopSCHOLAR® Western Kentucky University, Kentucky, 2015.
- [5] O.M Yaghi, Guangming Li dan Hailian Li. “Selective binding and removal of guests in a microporus metal-organic framework”. *Nature Publishing Group*, 378:703-707, 1995.
- [6] José María Rivera, Susana Rincón, Cherif Ben Youssef, dan Alejandro Zepeda. “Highly Efficient Adsorption of Aqueous Pb(II) with Mesoporous Metal-Organic Framework-5: An Equilibrium and Kinetic Study”. *Journal of Nanomaterial*, 2016:9-19, 2016.
- [7] Sari Kusama Dewi dan Ratna Edianti, *Sintesis HKUST-1 (CuBTC) secara Solvothermal dengan Penambahan Surfaktan Cetil Trimetilammonium Bromida dan Modular Asam Asetat*, FMIPA ITS, Surabaya, 2016.
- [8] Nadeen Al-Janabi, Patrick Hill, Laura Torrente-Murciano, Arthur Garforth, Patricia Gorgojo, Flor Siperstein, dan Xiaolei Fan. “Mapping the Cu-BTC metal-organic framework (HKUST-1) stability envelope in the presence of water vapour for CO₂ adsorption from flue gases”. *Chemical Engineering Journal Elsevier*, 2015.
- [9] Wei Dai, Yaoyao Fang, Le Yu, Guihua Zhao, dan Xiaoying Yan. “Rubidium ion capture with composite adsorbent PMA@HKUST-1”. *Journal of the Taiwan Institute of Chemical Engineers*, 2018:222-228, 2018.

- [10] Bo Xiao, Paul S. Wheatley, Xuebo Zhao, Ashleigh J. Fletcher, Sarah Fox, Adriano G. Rossi, Ian L. Megson, S. Bordiga¹, L. Regli, K. Mark Thomas, and Russell E. Morris. "High-Capacity Hydrogen and Nitric Oxide Adsorption and Storage in a Metal–Organic Framework". *American Chemical Society*, 2018:222-228, 2018.
- [11] Levasseur, B.; Petit, C.; Bandoz, T.J. "Reactive Adsorption of NO₂ on Copper-Based Metal–Organic Framework and Graphite Oxide/Metal–Organic Framework Composites". *ACS Appl. Mater. Interfaces*, 2010, 2, 3606–3613.
- [12] G.Vijayakumar, R.Tamilarasan, M. Dharmendirakumar. *Adsorption, Kinetic, Equilibrium and Thermodynamic studies on the removal of basic dye Rhodamine-B from aqueous solution by the use of natural adsorbent perlite*. JMESCNC, Chennai, 2011.
- [13] Zhang, Yahui and Lin, Xiaoyan and Hu, Shuhong and Zhang, Xing dan Luo, Xuegang. *Core–shell zeolite@Alg–Ca particles for removal of strontium from aqueous solutions*. The Royal Society of Chemistry, London, 2016.
- [14] Hye-Jin Hong, Jungho Ryu, In-Su Park, Taegong Ryu, Kang-Sup Chung, Byuong Gyu Kim. *Investigation of the strontium (Sr(II)) adsorption of an alginate microsphere as a low-cost adsorbent for removal and recovery from seawater*. ScienceDirect, Nottingham, 2016.
- [15] Sterba, J.H., Sperrer, H., Wallenko, F, *Adsorption characteristics of a clinoptilolite-rich zeolite compound for Sr and Cs*, Akadémiai Kiadó, Budapest, 2018.
- [16] Bambang Sunendar Purwasasmita dan Roland P.H., "Sintesa, Karakterisasi Dan Fabrikasi Material Berpori Untuk Aplikasi Pelet Apung (Floating Feed)", *Jurnal Bionatura*, 2008.
- [17] Cundy CS & Cox PA, "The Hydrothermal Synthesis of Zeolites: Precursors, Intermediates and Reaction Mechanism. Microporous and Mesoporous Materials", *American Chemical Society*, 2003.
- [18] John Wiley & Sons, *Metal Organic Frameworks*, Willey-VCH, Weinheim, 2018.

- [19] Shibiao Zong , Yajing Zhang , Na Lu , Pan Ma , Jianguo Wang and Xue-Rong Shi, “A DFT Screening of M-HKUST-1 MOFs for Nitrogen-Containing Compounds Adsorption”, *MDPI AG*, 2018.
- [20] [Chem Tube 3D - University Of Liverpool – Inorganic Chemistry] <http://www.chemtube3d.com/solidstate/MOF-HKUST-1.html> diakses pada hari senin, 31 Januari 2019 (pukul: 12.00 WIB).
- [21] Michela Todaro, Gianpiero Buscarino, Luisa Sciortino, Antonino Alessi, Fabrizio Messina, Marco Taddei, Marco Ranocchiari, Marco Cannas, and Franco M. Gelardi, “Decomposition Process of Carboxylate MOF HKUST-1 Unveiled at the Atomic Scale Level”. *The Journal of Physical Chemistry*, Palermo, 2016
- [22] Christopher H. Hendon and Aron Walsh. *Chemical principles underpinning the performance of the metal–organic framework HKUST-1*. University of Bath, Bath, 2015.
- [23] Wibisono, Yusuf. *Biomaterial & Bioproduk*. Universitas Brawijaya Press (UB Press): Malang. 2017.
- [24] Fahrizal Farikhin. *Analisa Scanning Electron Microscope Komposit Polyester Dengan Filler Karbon Aktif Dan Karbon Non Aktif*. Universitas Muhamadiyah Surakarta, Surakarta. 2016.
- [25] Nuha Desi Anggraeni. “Analisa SEM (Scanning Electron Microscopy) dalam Pemantauan Proses Oksidasi Magnetite Menjadi Hematite”. *Seminar Nasional VII Rekayasa dan Aplikasi Teknik Mesin*. 2008.
- [26] Jan Burnham. *Radiation Protection ("Green Book")*. New Brunswick Power Corporation, Fredericton, 2001.
- [27] Husen Zamroni. *Studi Limbah Radioaktif Yang Ditimbulkan Dari Operasional PLTN PWR 1000 MWe*. BATAN, Jakarta, 2007.
- [28] IAEA. *Fission Product Yield Data For The Transmutation Of Minor Actinide Nuclear Waste*. IAEA, Vienna, 2008.
- [29] Vlado Valkovic, Ruder Boskovic. *Radioactivity In The Environment*. Elsevier Science B.V, Amsterdam, 2000.
- [30] Joseph J. Devaney. *The Beta Spectra of ⁹⁰Sr and ⁹⁰Y*. Los Alamos National Laboratory, New Mexico, 1985.

- [31] Giyatmi. “Penurunan Kadar Cu, Cr Dan Ag Dalam Limbah Cair Industri Perak Di Kota Agede Setelah Diadsorpsi Dengan Tanah Liat Dari Daerah Godean”. *Jurnal seminar Nasional IV*, 2008.
- [32] Saragih, S. A. *Pembuatan dan Karakterisasi Karbon Aktif dari Batubara Riau sebagai Adsorben*. Tesis Universitas Indonesia, Jakarta, 2008.
- [33] Ginting, P. *Sistem Pengolahan Lingkungan dan Limbah Industri*. Yrama Widya. Bandung, 2007.
- [34] Sudirjo, E. *Penentuan Distribusi Benzen Toluene pada Kolom Adsorpsi Fixed Bed Carbon Active*. Universitas Indonesia. Jakarta, 2005.
- [35] Bansal, R. C., & Meenakshi, G. *Activated Carbon Adsorption*. Taylor & Francis Group, New York, 2005.
- [36] Hassler, J.W. *Purification With Activated Carbon: Industrial Commercial, Environmental*. Chemical Publishing Co. Inc. New York, 1974.
- [37] Culp, R.L., & Culp, G.L *Hand Book of Public Water System*. Mc GrawHill, New York, 1986.
- [38] Low, K. S., Lee, C.K. & Tan K. K. “Biosorption of Basic Dyes by Water Hyacinth Roots”, *Bioresource Technology*, 52 (1995) 79-83. Elsevier, Selangor, 1995.
- [39] Han, R., Zou, W., Yu, W., & Cheng, S. “Biosorption of Methylene Blue from Aqueous Solution by Fallen Phoenix Tree’s Leaves”. *Journal of Hazardous Materials*, 141 (2007) 156–162.
- [40] Apriliani, A. *Pemanfaatan Arang Ampas Tebu Sebagai Adsorben Ion Logam Cd, Cr, Cu, dan Pb Dalam Air Limbah*. Jakarta: UIN Syarif Hidayatullah. 2010.
- [41] Yashito Takeuchi. *Buku Teks Pengantar Kimia*. Iwanami Publishing Company, Tokyo, 2006.
- [42] Satterfield Z. “What does ppm or ppb mean? On Tap”. *The National Environmental Services-West Center Virginia University*, Virginia, (3):38-40. 2004.
- [43] Arcadio P, Gregoria A. *Environmental Engginering A Design Approach*. Printice-Hall. New Jersey, 1996.

- [44] Novi Setiawati, *Pembentukan Zeolit Dari Abu Dasar Batubara Melalui Peleburan-Hidrotermal Dengan Variasi Waktu Kalsinasi Untuk Uji Adsorpsi Logam Pb(II)*, UIN Sunan Kalijaga, Yogyakarta, 2017.
- [45] Djuhariningrum, Tyas. “Kajian teoritis pengaruh unsur matriks terhadap hasil analisis dengan metoda spektroskopi serapan atom (AAS)”. *Seminar Pusat Pengembangan Geologi Nuklir Bahan Dan Sumberdaya Tambang Tahun 2004*, 2004.