

## DAFTAR PUSTAKA

- [1] Vlado Valkovic. "Measurements of radioactivity". *Radioactivity in the Environment*, Elsevier, 2019, pp. 123-280.
- [2] Sina Yekta dan Meysam Sadeghi. "Investigation of the  $\text{Sr}^{2+}$  Ions Removal from Contaminated Drinking Water Using Novel  $\text{CaO}$  NPs@MOF-5 Composite Adsorbent". *Journal of Inorganic and Organometallic Polymers and Materials*, vol. 28, pp. 1049-1064, 2018.
- [3] Muhammad Rizwan Azhar, Hussein Rasool Abid, Hongqi Sun, Vijay Periasamy, Moses O. Tade dan Shaobin Wang. "Excellent Performance of Copper Based Metal Organic Framework in Adsorptive Removal of Toxic Sulfonamide Antibiotics from Wastewater". *Journal of Colloid and Interface Science*, vol. 478, pp. 344-352, 2016.
- [4] Charu Arora, Sanju Soni, Suman Sahu, Jyoti Mittal, Pranaw Kumar dan P.K. Bajpai. "Iron Based Metal Organic Framework for Efficient Removal of Methylene Blue Dye from Industrial Waste". *Journal of Molecular Liquids*, vol. 284, pp. 343-352, 2019.
- [5] Meili Ding, Xuechao Cai dan Hai-Long Jiang. "Improving MOF Stability: Approaches and Applications". *Chemical Science*, vol. 10, pp. 10209-10230, 2019.
- [6] Tri Ana Mulyati, Ratna Edianti dan Afifah Rosyidah. "Influence of Solvothermal Temperatures and Times on Crystallinity and Morphology of MOF-5". *Indonesian Journal of Chemistry*, vol. 15, no. 2, pp. 101-107, 2015.
- [7] Giovanni Alvin Prasetya. *Analisis Pengaruh Konsentrasi Awal dan Suhu Adsorpsi Cesium pada Limbah Radioaktif Simulasi dengan Adsorben Metal-Organic Frameworks  $[\text{Zn}_4\text{O}(\text{BDC})_3]$* . Skripsi, Departemen Teknik Nuklir dan Teknik Fisika, Fakultas Teknik, Universitas Gadjah Mada, Yogyakarta, 2019.
- [8] Irfan Fahmuddin Ma'ruf. *Analisis Pengaruh Konsentrasi Awal Stronsium dan Suhu Awal Larutan pada Adsorpsi Stronsium dalam Limbah Radioaktif dengan Adsorben  $\text{Zn}_4\text{O}(\text{BDC})_3$* . Skripsi, Departemen Teknik Nuklir dan Teknik Fisika, Fakultas Teknik, Universitas Gadjah Mada, Yogyakarta, 2019.
- [9] Amrit Singh dan A.S. Dhaliwal. "Studies of Total Bremsstrahlung in Thick Targets of Al, Ti, Sn and Pb for  $^{90}\text{Sr}$  Beta Particles in the Photon Energy

- Region of 1–100 Kev”. *Radiation Physics and Chemistry*, vol. 119, pp. 167-172, 2016.
- [10] Qanita Awliya Hanif, Reva Edra Nugraha dan Witri Wahyu Lestari. “Kajian Metal–Organic Frameworks (MOFS) sebagai Material Baru Pengantar Obat”. *ALCHEMY Jurnal Penelitian Kimia*, vol. 14, no. 1, pp. 16-36, 2018.
- [11] University of Liverpool, “Chem Tube 3D,” University of Liverpool, [Daring]. Tersedia pada: <https://www.chemtube3d.com/mof-mof5/>. [Diakses 13 Maret 2020].
- [12] Prapti Rahayu dan Witri Wahyu Lestari. “Kajian Sintesis dan Karakterisasi Metal–Organic Frameworks MOF-5 Sebagai Material Penyimpan Hidrogen”. *ALCHEMY jurnal penelitian kimia*, vol. 2, pp. 14-26, 2016.
- [13] Jinping Li, Shaoujuan Cheng, Qiang Zhao, Peipei Long dan Jinxiang Dong. “Synthesis and Hydrogen-Storage Behavior of Metal–Organic Framework MOF-5”. *International Journal of Hydrogen Energy*, vol. 34, pp. 1377-1382, 2009.
- [14] Hailian Li, Mohamed Eddaoudi, M. O’Keeffe dan O. M. Yaghi. “Design and Synthesis of an Exceptionally Stable and Highly Porous Metal–Organic Framework”. *NATURE*, vol. 402, pp. 276-279, 1999.
- [15] Nastaran Bakhtiari dan Saeid Azizian. “Adsorption of Copper Ion from Aqueous Solution by Nanoporous MOF-5: A Kinetic and Equilibrium Study”. *Journal of Molecular Liquids*, 2015.
- [16] Yang Ming, Justin Purewal, Jun Yang, Chunchuan Xu, Rick Soltis, James Warner, Mike Veenstra, Manuela Gaab, Ulrich Muller dan Donald J. Siegel. “Kinetic Stability of MOF-5 in Humid Environments: Impact of Powder Densification, Humidity Level, and Exposure Time”. *Langmuir*, vol. 31, pp. 4988-4995, 2015.
- [17] Brian C. Smith. *Fundamentals of Fourier Transform Infrared Spectroscopy*. CRC Press, Boca Raton 1996.
- [18] LibreTexts, “Chemistry LibreTexts,” 19 Mei 2020. [Daring]. Tersedia pada: [https://chem.libretexts.org/Bookshelves/Physical\\_and\\_Theoretical\\_Chemistry\\_Textbook\\_Maps/Supplemental\\_Modules\\_\(Physical\\_and\\_Theoretical\\_Chemistry\)/Spectroscopy/Vibrational\\_Spectroscopy/Infrared\\_Spectroscopy/How\\_an\\_FTIR\\_Spectrometer\\_Operates](https://chem.libretexts.org/Bookshelves/Physical_and_Theoretical_Chemistry_Textbook_Maps/Supplemental_Modules_(Physical_and_Theoretical_Chemistry)/Spectroscopy/Vibrational_Spectroscopy/Infrared_Spectroscopy/How_an_FTIR_Spectrometer_Operates). [Diakses 26 Mei 2020].
- [19] N. Iswarya, M. G. Kumar, K. S. Rajan dan R. Balaguru. “Synthesis, Characterization and Adsorption Capability of MOF-5”. *Asian Journal of Scientific Research*, vol. 5, no. 4, pp. 247-254, 2012.
- [20] Y. Artioli. “Adsorption”. *Encyclopedia of Ecology*, pp. 60-65, 2008.

- [21] Liehui Zhang. "Shale Gas Reservoir Characteristics and Microscopic Flow Mechanisms". *Developments in Petroleum Science*, vol. 66, pp. 1-47, 2019.
- [22] George William Kijjumba, Serkan Emik, Atakan Ongen, H. Kurtulus Ozcan dan Serdar Aydin. "Modelling of Adsorption Kinetic Processes—Errors, Theory and Application". dalam *Advanced Sorption Process Applications*, IntechOpen, 2018.
- [23] Yuh-Shan Ho. "Review of Second-Order Models for Adsorption Systems". *Journal of Hazardous Materials*, vol. B136, pp. 681-689, 2006.
- [24] Hamou Moussout, Hammou Ahlafi, Mustapha Aazza dan Hamid Maghat. "Critical of Linear and Nonlinear Equations of Pseudo-First Order and Pseudo-Second Order Kinetic Models". *Karbala International Journal of Modern Science*, pp. 1-11, 2018.
- [25] P. Asgari, S. H. Mousavi, H. Aghayan, H. Ghasemi dan T. Yousefi. "Nd-BTC Metal-Organic Frameworks (MOF); Synthesis, Characterization and Investigation on Its Adsorption Behavior Toward Cesium and Strontium Ions". *Microchemical Journal*, vol. 150, 2019.
- [26] Rana Sabouni, Hossein Kazemian dan Sohrab Rohani. "A Novel Combined Manufacturing Technique for Rapid Production of IRMOF-1 Using Ultrasound and Microwave Energies". *Chemical Engineering Journal*, vol. 165, pp. 966-973, 2010.
- [27] N. Yamagiwa. "Ionic Radius". 20 Mei 2005. [Online]. Available: [http://www.f.u-tokyo.ac.jp/~kanai/document/img/ionic\\_radius.pdf](http://www.f.u-tokyo.ac.jp/~kanai/document/img/ionic_radius.pdf). [Diakses 13 Juli 2020].