

DAFTAR PUSTAKA

- [1] A. Setiabudhi, *Karakterisasi Material: Prinsip dan Aplikasinya dalam Penelitian Kimia*, Bandung: UPI Press, 2012.
- [2] E. M. Ginting, *Karakterisasi Material*, Medan: Unimed Press , 2014.
- [3] N. M. Mahmoodi and J. Abdi, "Nanoporous metal-organic framework (MOF-199): Synthesis, characterization and photocatalytic degradation of Basic Blue 41," *Microchemical Journal*, vol. 144, pp. 436-442, 2019.
- [4] J.-R. Li, "Carbon dioxide capture-related gas adsorption and separation in metal-organic frameworks," *Coordination Chemistry Reviews*, vol. 255, no. 15-16, pp. 1791-1823, 2011.
- [5] Y. Li, A.-S. Xiao, B. Zou, H.-X. Zhang, K.-L. Yan and Y. Lin, "Advances of metal–organic frameworks for gas sensing," *Polyhedron*, vol. 154, pp. 83-97, 2018.
- [6] T. Ghanbaria, F. Abnisab, W. M. Ashri and W. Dauda, "A review on production of metal organic frameworks (MOF) for CO₂ adsorption," *Science of The Total Environment*, vol. 707, 2020.
- [7] J.-R. Li, J. Sculley and H.-C. Zhou, "Metal–Organic Frameworks for Separations," *Chemical Reviews*, vol. 112, pp. 869-932, 2012.
- [8] L. E. Kreno, "Metal–Organic Framework Materials as Chemical Sensors," *Chemical Reviews*, vol. 112, pp. 1105-1125, 2012.
- [9] H.-Y. Li, S.-N. Zhao, S.-Q. Zang and J. Li, "Functional metal–organic frameworks as effective sensors of gases and volatile compounds," *Chemical Social Reviews*, 2020.

- [10] W. W. Lestari, "Fabrication of composite materials MIL-100(Fe)/Indonesian activated natural zeolite as enhanced CO₂ capture material," *Chemical Papers*, 2021.
- [11] C. K. Permatasari, "Sintesis Metal Organic Framework Tipe HKUST-1 Secara Solvothermal dengan Penambahan Polietilen Glikol (PEG)," *Tugas Akhir*, 2016.
- [12] T. K. Trunga, N. A. Ramsahyea, P. Trensa, N. Tanchouxa, C. Serreb, F. Fajulaa and G. Fére, "Adsorption of C₅–C₉ hydrocarbons in microporous MOFs MIL-100(Cr) and MIL-101(Cr): A manometric study," *Microporous and Mesoporous Materials*, vol. 134, pp. 134-140, 2010.
- [13] G. Chen, X. Leng, J. Luo, L. You, C. Qu and X. Dong, "In Vitro Toxicity Study of a Porous Iron(III) Metal–Organic Framework," *Molecules*, p. 2, 2019.
- [14] M. Alhamami, H. Doan and C.-H. Cheng, "A Review on Breathing Behaviors of Metal-Organic-Frameworks (MOFs) for Gas Adsorption," *ISSN 3198-3250*, vol. 7, 2014.
- [15] C. P. Cabello, G. Berlier, G. Magnacca, P. Rumori and G. T. Palomino, "Enhanced CO₂ adsorption capacity of amine-functionalized MIL-100(Cr) metal-organic frameworks," *CrystEngComm*, 2015.
- [16] A. D. McNaught and A. Wilkinson, "Manual of Symbols and Terminology for Physicochemical Quantities and Units, Appendix II: Definitions, Terminology and Symbols in Colloid and Surface Chemistry," *Blackwell Scientific Publications*, p. 585, 1997.
- [17] K. C. Chin, L. K. Leong, S.-Y. Lu, D.-H. Tsai and S. Sethupathi, "Preparation of Metal Organic Framework (MOF) Derived Bimetallic Catalyst for Dry Reforming of Methane," *Ijtech*, vol. 10, no. 7, 2019.

- [18] S. Gwardiak, B. Szczęśniak, J. Choma and M. Jaroniec, "Benzene adsorption on synthesized and commercial metal–organic frameworks," *Jurnal of Porous Material*, vol. 26, pp. 775-783, 2018.
- [19] D. Saha, Z. Bao, F. Jia and S. Deng*, "Adsorption of CO₂, CH₄, N₂O, and N₂ on MOF-5, MOF-177, and Zeolite 5A," *Environmental Science & Technology*, vol. 44, pp. 1820-1826, 2010.
- [20] W.-K. Choi, T.-I. Kwon and Y.-K. Yeo, "Optimal Operation of the Pressure Swing Adsorption (PSA) Process for CO₂ Recovery," *Korean J. Chem*, vol. 20, no. 4, pp. 617-623, 2003.
- [21] M. Khair, "SINTESIS METAL ORGANIC FRAMEWORK (MOF) UNTUK PENYIMPANAN HIDROGEN," *Jurnal Sainstek*, vol. 6, no. 2, 2011.
- [22] Alhamami, D. H and Cheng, " A review on breathing behaviors of metal-organic-frameworks (MOFs) for gas adsorption. Materials," *Material Basel*, vol. 7, 2014.
- [23] D.-W. Kim, H.-G. Kim and D.-H. Cho, "Catalytic performance of MIL-100 (Fe, Cr) and MIL-101 (Fe, Cr) in the isomerization of endo- to exo-dicyclopentadiene," *Catalysis Communication* , vol. 73, pp. 69-73, 2016.
- [24] C. Bioparticles, "CD Bioparticles," Drug Delivery, 2022. [Online]. Available: <https://www.cd-bioparticles.net/p/9177/mil-100-cr>. [Accessed 9 August 2022].
- [25] Y. Mao, "Green and time-saving synthesis of MIL-100(Cr) and its catalytic performance," *Microporous and Mesoporous Materials*, Vols. 70-75, 2019.
- [26] W. W. Lestari, "Fabrication of composite materials MIL-100(Fe)," *Chemicals Papers*.
- [27] O. Cheung and N. Hedin, "Zeolites and related sorbents with narrow pores for CO₂ separation from flue gas," *Royal Society of Chemistry*, 2014.

- [28] C. Rosnaomi, I. P. Handayani and W. A. Lestari, "Pengaruh Paparan Gas Co₂ Terhadap Sifat Listrik Metal Organic Framework," *eProceedings of Engineering*, vol. 8, no. 5, 2021.
- [29] J.-H. Lee, "Gas Sensing Properties of Mg-Incorporated Metal-Organic Framework," *Sensor*, 2019.
- [30] D. Gibson and C. McGregor, "A Novel Solid State Non-Dispersive Infrared CO₂ Gas Sensor Compatible with Wireless and Portable Deployment," *Sensor*, vol. 13, no. 6, 2013.
- [31] Admin, "Ruang Teknisi," 24 March 2022. [Online]. Available: <https://www.ruangteknisi.com/sensor-gas/>. [Accessed 9 August 2022].
- [32] R. P. P. Sukanli, I. W. Fathona and A. Abrar, "Rancang Bangun Alat Uji Sifat Listrik Untuk Karakterisasi Kurva I-v Dan Kurva Respon Pada Sensor Gas Untuk Nanomaterial Semikonduktor," *eProceedings of Engineering*, vol. 6, no. 2, 2019.
- [33] A. Y. Indrawan, "Rancang Bangun Mesin Uji Konduktivitas Listrik Metode Four-Point Probe," *UNS-F. Teknik Jur. Teknik Mesin-I1413002-2016*, p. 2016.
- [34] M. Y. Rezk, J. Sharma and M. R. Gartia, "Nanomaterial-Based CO₂ Sensors," *Nanomaterials*, vol. 10, p. 2251, 2020.
- [35] B. Mary and L. Rajesh, "Electrical and thermoelectric properties of surfactant-assisted calcium cobalt oxide nanoparticles," *Journal of Materials Science: Materials in Electronics*, vol. 33, no. 2, 2022.
- [36] G. Skorupskii and M. Dincă, "Electrical Conductivity in a Porous, Cubic Rare-Earth Catecholate," *Jurnal of The American Chemical Society*, 2020.