

DAFTAR PUSTAKA

- Ardian, F., Putra, I., Nasuci, F. S. M., Wonua, K. J., & Purba, J. Y. (2024). Optimization of *acid wash* process on activated *carbon* with variation of HCL concentration at PT XYZ. *Journal of Metallurgical Engineering and Processing Technology*, 5(1), 15. <https://doi.org/10.31315/jmePTv5i1.11943>
- Arung, S., Yudi, Muh., & Chadijah, St. (2014). Pengaruh konsentrasi aktivator asam klorida (HCl) terhadap kapasitas adsorpsi arang aktif kulit buah kakao (*Theobroma cacao* . L) pada zat warna methanil yellow. *Al-Kimia*, 52–63. <https://doi.org/10.24252/al-kimia.v2i1.1638>
- Cazetta, A. L., Junior, O. P., Vargas, A. M. M., Da Silva, A. P., Zou, X., Asefa, T., & Almeida, V. C. (2013). Thermal regeneration study of high surface area activated *carbon* obtained from coconut shell: Characterization and application of response surface methodology. *Journal of Analytical and Applied Pyrolysis*, 101, 53–60. <https://doi.org/10.1016/j.jaap.2013.02.013>
- Cevallos Toledo, R. B., Aragón-Tobar, C. F., Gámez, S., & de la Torre, E. (2020). Reactivation process of activated *carbons*: Effect on the mechanical and adsorptive properties. *Molecules*, 25(7). <https://doi.org/10.3390/molecules25071681>
- Farrukh, M. A. (2012). *Atomic Absorption Spectroscopy* (Nomor July). InTech Janeza Trdine 9, 51000 Rijeka, Croatia.
- Forson, P., Adam, A.-S., & Ofori-Sarpong, G. (2018). Improving *acid wash* efficiency of loaded activated *carbon* in a gold desorption circuit. *5 th UMaT Biennial International Mining and Mineral Conference, August 2020*, 75–80. <https://doi.org/10.59957/jctm.v60.i3.2025.7>
- Ganjoo, R., Sharma, S., Kumar, A., & Daouda, M. M. A. (2023). Activated *carbon*: Fundamentals, classification, and properties. *Activated Carbon*, 1–22. <https://doi.org/10.1039/bk9781839169861-00001>
- Kementerian Energi dan Sumber Daya Mineral Republik Indonesia. (2020). Peluang investasi emas- perak indonesia. Dalam *Kementerian energi dan sumber daya mineral RI* (hlm. 62).
- Kristiardi, R. (2024). *Studi efisiensi proses desorpsi logam berharga pada sirkuit elution dengan metode anglo american research laboratory (AARL) ditinjau dari kontribusi perlakuan acid wash dan konsentrasi reaktan*. (Skripsi Sarjana, Universitas Pembangunan Nasional “Veteran” Yogyakarta). Dikutip dari <https://www.eprints.upnyk.ac.id/>

- Lan, X., Jiang, X., Song, Y., Jing, X., & Xing, X. (2019). The effect of activation temperature on structure and properties of blue coke-based activated *carbon* by CO₂ activation. *Green Processing and Synthesis*, 8(1), 837–845. <https://doi.org/10.1515/gps-2019-0054>
- Lua, A. C., & Yang, T. (2004). Effect of activation temperature on the textural and chemical properties of potassium hydroxide activated *carbon* prepared from pistachio-nut shell. *Journal of Colloid and Interface Science*, 274(2), 594–601. <https://doi.org/10.1016/j.jcis.2003.10.001>
- Marsden, J. O., & House, C. I. (2009). *The Chemistry of gold extraction* (Second Edition). Society for Mining, Metallurgy, and Exploration, Inc. (SME).
- Moreno-Castilla, C., Carrasco-Marín, F., Maldonado-Hódar, F. J., & Rivera-Utrilla, J. (1998). Effects of non-oxidant and oxidant acid treatments on the surface properties of an activated *carbon* with very low ash content. *Carbon*, 36(1–2), 145–151. [https://doi.org/10.1016/S0008-6223\(97\)00171-1](https://doi.org/10.1016/S0008-6223(97)00171-1)
- Mustafa, M., & Amin. (2023). Pengaruh aktivator HCl, H₃PO₄, NH₄Cl terhadap kualitas karbon aktif dari tempurung kelapa. *Majalah Teknik Industri*, 31, 2023. <https://doi.org/10.61844/majalahteknikindustri.v31i1.669>
- Obsnap. (2019). *Atomic Absorption Spectroscopy (AAS)*. <https://www.obsnap.com/atomic-absorption-spectroscopy-aas/>
- Pamungkas, R. B., Kharimah, K., & Puspawiningtiyas, E. (2022). Activation of *carbon* using microwave-assisted hydrochloric acid for urea adsorption. *Research In Chemical Engineering (RiCE)*, 1(1), 28–35. <https://doi.org/10.30595/rice.v1i1.10>
- Parvaei, A., & Farhadi, S. (2013). The Ability of explaining and predicting of economic *value* added (EVA) versus net income (NI), residual income (RI) & free cash flow (FCF) in tehran stock exchange (TSE). *International Journal of Economics and Finance*, 5(2). <https://doi.org/10.5539/ijef.v5n2p67>
- Sasmita, I. (2024). *Studi pengaruh penggunaan karbon barren, regenerated, dan fresh terhadap persen adsorpsi dan loading capacity emas-perak di PT Meares Soputan Mining*. (Skripsi Sarjana, Universitas Pembangunan Nasional “Veteran” Yogyakarta). Dikutip dari <https://www.eprints.upnyk.ac.id/>
- Sayiner, B., & Acarkan, N. (2014). Physicochemical problems of mineral processing effect of silver, nickel and copper cyanides on gold adsorption on activated *carbon* in cyanide leach solutions. *PHysicochem. Probl. Miner. Process*, 50(1), 277–287. <https://doi.org/10.5277/PPMP140123>
- Setyadhi, L., Wibowo, D., & Ismadji, S. (2005). Modifikasi sifat kimia permukaan karbon aktif dengan asam oksidator dan non oksidator serta aplikasinya terhadap adsorpsi methylene blue. *National Conference Design and*

- Application of Technology* 2005, 1, 69–76. [https://doi.org/10.1016/S0008-6223\(02\)00406-2](https://doi.org/10.1016/S0008-6223(02)00406-2)
- Sharma, A. K., & Kumar, S. (2012). EVA versus conventional performance measures-empirical evidence from india. Dalam *Proceedings of ASBBS* (Vol. 19). <https://doi.org/10.1007/s40171-017-0178-0>
- Subedi, M., & Farazmand, A. (2020). Economic Value Added (EVA) for performance evaluation of public organizations. *Public Organization Review*, 20(4), 613–630. <https://doi.org/10.1007/s11115-020-00493-2>
- Tauetsile, P. J., Oraby, E. A., & Eksteen, J. J. (2018). Adsorption behaviour of copper and gold glycinate in alkaline media onto activated carbon. Part 1: Isotherms. *Hydrometallurgy*, 178(April), 202–208. <https://doi.org/10.1016/j.hydromet.2018.04.015>
- Van Vliet, B. M. (1991). Regeneration of activated carbon. *Journal of The South African Institute of Mining and Metallurgy*, 91(5), 159–167. <https://doi.org/10.1039/D0EW00328J>
- Van Wyk, E. J., Bradshaw, S. M., & De Swardt, J. B. (1998). The dependence of microwave regeneration of activated carbon on time and temperature. *Journal of Microwave Power and Electromagnetic Energy*, 33(3), 151–157. <https://doi.org/10.1080/08327823.1998.11688371>
- Waer, M. A., Snoeyink, V. L., & Mallon, K. L. (1992). Carbon regeneration. Dependence on time and temperature. *Journal / American Water Works Association*, 84(3), 82–91. <https://doi.org/10.1002/j.1551-8833.1992.tb07324.x>
- Yanuar, E., & Suprpto. (2015). Leaching and adsorption of gold from lapesumbawa rocks (Indonesia) by hypochlorite-chloride. *Procedia Chemistry*, 17, 59–65. <https://doi.org/10.1016/j.proche.2015.12.134>