DAFTAR PUSTAKA

1. Courouble M.; Davidson N, Dinesen L.: *Global Wetland Outlook: Special Edition 2021*. (Dudley N, ed.). Ramser; 2021.
2. M. Anda, S. Ritung, E. Suryani, Sukarman, M. Hikmat, E. Yatno, A. Mulyani, R. E. Subandiono, Suratman, Husnain, Revisiting tropical peatlands in Indonesia: semi-detailed mapping, extent and depth distribution assessment, Geoderma 402, (2021), 115235.
3. Yuliana, Yuliana. "Sintesis Lempung Magnetik sebagai Adsorben Asam Humat pada Air Gambut." *Bohr: Jurnal Cendekia Kimia* 1.01 (2022): 22-37.
4. Muammar Qadafi, Diana Rahayuning Wulan, Suprihanto Notodarmojo, Yuniati Zevi, Characteristics and treatment methods for peat water as clean water sources: A mini review,Water Cycle, Volume 4, 2023, Pages 60-69, ISSN 2666-4453
5. S. Notodarmojo, Mahmud, A. Larasati, Adsorption of natural organic matter (NOM) in peat water by local Indonesia tropical clay soils, Int. J. Geomate. 13 (2017) 111–119
6. Cheng, W.,Dastgheib, S.A.,Karanfil, T. Adsorption of dissolved natural organic matter by modified activated carbons. Water Res.2005,39 (11),pp. 2281-2290.
7. Chantika, Ratu Patrichia (2024) *Pengaruh Termal terhadap Adsorpsi Lempung dari Tanah Datar dalam Menurunkan Kadar Besi Air Sumur.* S1 thesis, Universitas Andalas.
8. Jinfeng Yuan, Weidong Lu, Adsorption of Cr(VI) from aqueous solutions using inorganic clays modified magnetic chitosan adsorbent: Kinetic and thermodynamic study, Desalination and Water Treatment, Volume 319, 2024, 100442, ISSN 1944-3986, https://doi.org/10.1016/j.dwt.2024.100442.
9. Auliah, A. (2009). Lempung Aktif Sebagai Adsorben Ion Fosfat Dalam Air. Chemica: Jurnal Ilmiah Kimia dan Pendidikan Kimia, *10*(2), 14-23.
10. Darwanta, S., & Fatimah, H. (2019). Karakterisasi Lempung Alam Asal Distrik Tanah Miring Kabupaten Merauke sebagai Adsorben Bleaching CPO (Crude Palm Iol).
11. Ayoub M, Yusuf S, Inayat A, Et Al. Sintesis Dan Karakterisasi Katalis Lempung Montmorillonit Berbasis Cangkang Telur Untuk Produksi Biodiesel Dari Minyak Goreng Limbah. 2021;02006..

12. Mustapha, S., Ndamitso, M.M., Abdulkareem, A.S. *et al.* Application of TiO_2 and ZnO nanoparticles immobilized on clay in wastewater treatment: a review. *Appl Water Sci* 10, 49 (2020).
13. Elfiana.; Fuadi A.: Efektivitas Proses AOP Berbasis H2O2 dalam Menghilangkan Warna Air Gambut Berdasarkan Parameter Konsentrasi Zat Organik. *J Teknol Kim Unimal*. 2016;2(November):45-60.
14. Saidy AR, Zakia.: *Bahan Organik Tanah: Klasifikasi, Fungsi Dan Metode Studi*.; 2018.
15. Bruna Alice Gomes de Melo, Fernanda Lopes Motta, Maria Helena Andrade Santana,Humic acids: Structural properties and multiple functionalities for novel technological developments,MateriSals Science and Engineering: C,Volume 62,2016,Pages 967-974,ISSN 0928-4931
16. J.P. Ritson, M. Bell, R.E. Brazier, E. Grand-Clement, N.J.D. Graham, C. Freeman, D. Smith, M.R. Templeton, J.M. Clark, Managing Peatland Vegetation for Drinking Water Treatment OPEN, Nat. Publ. Gr., 2016
17. M. Sillanpa'a, M.C. Ncibi, A. Matilainen, Advanced oxidation processes for the removal of natural organic matter from drinking water sources: a comprehensive review, J. Environ. Manag. 208 (2018) 56–76
18. Supriyadi, S.; Arief Rahman, F.; Yuhardi, E.; Umam Universitas Trunojoyo Madura, C.; Raya Telang, J. Serapan N, P, Dan K Pada Jagung Madura-3 Di Tanah Lempung Liat Berpasir Diameliorasi Biochar Dan Bentonit-Teraktivasi Asam N, P, And K Uptake of Madura-3 Maize in a Sandy Clay Loam Soil Amended with Biochar and Acid Activated-Bentonite. *J. Tanah dan Sumberd. Lahan* 2023, *10*, 185–190.
19. Sazali N.; Harun Z.; Sazali N.: A review on batch and column adsorption of various adsorbent towards the removal of heavy metal. *J Adv Res Fluid Mech Therm Sci*. 2020;67(2):66-88.
20. Fujiati, H. (2018). Pengaruh Suhu Kalsinasi terhadap Struktur, Morfologi dan Sifat Magnet Barium Heksaferit dengan Doping Nikel dan Cobalt.
21. Hanein, T., Thienel, KC., Zunino, F. *et al.* Clay calcination technology: state-of-the-art review by the RILEM TC 282-CCL. *Mater Struct* 55, 3 (2022)
22. Taylor-Lange SC et al (2015) Calcined kaolinite–bentonite clay blends as supplementary cementitious materials. Appl Clay Sci 108:84–93
23. Heller-Kallai L (2013) Thermally modified clay minerals. In Developments in clay science. Elsevier, pp 411–433
24. Courouble M.; Davidson N, Dinesen L.: *Global Wetland Outlook: Special Edition 2021*. (Dudley N, ed.). Ramser; 2021.

25. Guatame-García, A.; Buxton, M.; Deon, F.; Lievens, C.; Hecker, C. Toward an On-Line Characterization of Kaolin Calcination Process Using Short-Wave Infrared Spectroscopy. *Miner. Process. Extr. Metall. Rev.* 2018, *39* (6), 420–431.
26. Setiabudi, A.; Hardian, R.; Muzakir, A. *Karakterisasi Material : Prinsip Dan Aplikasinya Dalam Peneliian Kimia*; 2012.
27. Bunaciu AA, Udriştioiu E gabriela, Aboul-Enein HY. X-Ray Diffraction: Instrumentation and Applications. *Critical Reviews in Analytical Chemistry*. 2015;45(4):289-299.
28. Fabiani, V. A.; Asriza, R. O.; Fabian, A. R.; Kafillah, M. Biodiesel Production From Waste Cooking Oil Using Catalyst CaO Derived From Strombus Canarium Shells. *IOP Conf. Ser. Earth Environ. Sci.* 2019, *353* (1), 012012
29. Scientific TF. Introduction to Fourier Transform Infrared Spectroscopy Introduction. Thermo Sci. 2013;
30. Hanif R. Validasi Metode Penetapan Kadar Tablet Floating Metformin Hidroklorida dengan Spektofotometri. Purwokerto: Universitas Muhammadiyah Purwokerto; 2018.
31. Suhartati, T. *Dasar-Dasar Spektrofotometri Uv-Vis Dan Spektrometri Massa Untuk Penentuan Struktur Senyawa Organik*, 2017th ed.; CV. Anugrah Utama Raharja Anggota IKAPI No.003/LPU/2013: Lampung, 2017.
32. Anshori, J. Al; Si, S.; Kimia, J.; Unpad, F. Materi Ajar : Spektrometri Serapan Atom Pelatihan Instrumentasi Analisa Kimia. 2005, 1–10
33. Platt, P. Atomic Absorption Spectroscopy. *Sel. Annu. Rev. Anal. Sci.* 1971, *1* (January), 177–234
34. Colin McPhee, Jules Reed, Izaskun Zubizarreta. Chapter 4 - Core Sample Preparation, Developments in Petroleum Science,Elsevier, Volume 64, 2015, Pages 135-179, ISSN 0376-7361
35. Febiola, F.; Rahmayeni; Admi; Syukri. Kaolinite and Illite Based Clay Supporting Nickel: Its Synthesis, Characterization, and Catalytic Optimazion in a Lab-Scale 27 Fatty Acid Methyl Ester Production. Her. Bauman Moscow State Tech. Univ. Ser. Nat. Sci. 2023, 109 (4), 159–174. https://doi.org/10.18698/1812-3368-2023-4- 159-174.
36. Matusiewicz H. Sample preparation for inorganic trace element analysis. *Physical Sciences Reviews*. 2017; 2(5). doi:10.1515/psr-2017-8001
37. Garcia-Valles M, Cuevas D, Alfonso P, Martínez S. Thermal behaviour of ceramics obtained from the kaolinitic clays of Terra Alta, Catalonia, Spain. *J Therm Anal Calorim*. 2022;147(9). doi:10.1007/s10973-021-11075-9

38. Utami, D. N. Kajian Jenis Mineralogi Lempung Dan Implikasinya Dengan Gerakan Tanah. *J. Alami J. Teknol. Reduksi Risiko Bencana* 2018, *2* (2), 89. https://doi.org/10.29122/alami.v2i2.3095.
39. Hu J, Yu B, Sun W, Lu L. Calcination-controlled performance optimization of iron-vanadium bimetallic oxide nanoparticles for synergistic tumor therapy. *J Mater Chem B*. 2023;11(13). doi:10.1039/d3tb00113j
40. Yanti PH. 2015. Karakterisasi Lempung Alam Desa Gema Teraktifasi Fisika. J. Of Chemistry Proggress. 8(1). 1-5.
41. Amelia, S. Karakterisasi Lempung Alam Cengar Aktivasi KOH Pada 300C. *Jom Fmipa* 2014, *1* (2), 1–9.
42. Zheng, D.; Liang, X.; Cui, H.; Tang, W.; Liu, W.; Zhou, D. Study of Performances and Microstructures of Mortar with Calcined Low-Grade Clay. *Constr. Build. Mater.* 2022, *327* (February), 126963. https://doi.org/10.1016/j.conbuildmat.2022.126963.
43. Sunardi; Irawati, U.; Wianto, T. Karakterisasi Kaolin Lokal Kalimantan Selatan Hasil Kalsinasi. *J. Fis. FLUX* 2011, *8* (1), 59–65.
44. Sunardi; Irawati, U.; Wianto, T. Karakterisasi Kaolin Lokal Kalimantan Selatan Hasil Kalsinasi. *J. Fis. FLUX* 2011, *8* (1), 59–65.
45. William Shotyk, Review of the inorganic geochemistry of peats and peatland waters, Earth-Science Reviews, Volume 25, Issue 2, 1988, Pages 95-176, ISSN 0012-8252, https://doi.org/10.1016/0012-8252(88)90067-0.
46. Glatzel S.; Kalbitz K.; Dalva M.; Moore T.: Dissolved organic matter properties and their relationship to carbon dioxide efflux from restored peat bogs. *Geoderma*. 2003;113(3-4):397-411.
47. Uyguner CS.; Bekbolet M.: Evaluation of humic acid photocatalytic degradation by UV-vis and fluorescence spectroscopy. *Catal Today*. 2005;101(3-4 SPEC. ISS.):267-274.
48. Christianah Olakitan Ijagbemi, Mi-Hwa Baek, Dong-Su Kim, Montmorillonite surface properties and sorption characteristics for heavy metal removal from aqueous solutions, Journal of Hazardous Materials, Volume 166, Issue 1, 2009, Pages 538-546, ISSN 0304-3894, https://doi.org/10.1016/j.jhazmat.2008.11.085.
49. Wei W.; Yang L.; Zhong W.; Cui J.; Wei Z.: Mechanism of enhanced humic acid removal from aqueous solution using poorly crystalline hydroxyapatite nanoparticles. *Dig J Nanomater Biostructures*. 2015;10(2):663-680.
50. Aiguo Liu, Richard D Gonzalez, Adsorption/Desorption in a System Consisting of Humic Acid, Heavy Metals, and Clay Minerals, Journal of Colloid and

Interface Science, Volume 218, Issue 1, 1999, Pages 225-232, ISSN 0021-9797, https://doi.org/10.1006/jcis.1999.6419.

51. Xiaoxia Ou, Shuo Chen, Xie Quan, Huimin Zhao, Photochemical activity and characterization of the complex of humic acids with iron(III), Journal of Geochemical Exploration, Volume 102, Issue 2, 2009, Pages 49-55, ISSN 0375-6742, https://doi.org/10.1016/j.gexplo.2009.02.003.
52. Nelly Wahyuni, Gusrizal, Yeni Juliawati, Calcined Kaolin as Adsorbent for Organic Compounds in Peat Water, Proceedings of the 2nd International Conference on Science Education and Sciences 2022, 2023, Pages 263-271, ISSN 2352-541X, https://doi.org/10.2991/978-94-6463-232-3_27
53. Primandini, P.; Nur Hasanah, A.; A, W. A.; Budianto, E.; Sudirman, dan. Pengaruh Suhu Kalsinasi Terhadap Kemampuan Adsorpsi Toksin Pada Kaolin Untuk Penyakit Diare. *J. Sains Mater. Indones. Indones. J. Mater. Sci.* 2012, *13* (3), 230–235.
54. Khan, S.; Ajmal, S.; Hussain, T.; Rahman, M. U. Clay-Based Materials for Enhanced Water Treatment: Adsorption Mechanisms, Challenges, and Future Directions. *J. Umm Al-Qura Univ. Appl. Sci.* 2023, No. 0123456789. https://doi.org/10.1007/s43994-023-00083-0.
55. Zhang S, Liu Q, Gao F, Teppen BJ. Molecular Dynamics Simulation of Basal Spacing, Energetics, and Structure Evolution of a Kaolinite-Formamide Intercalation Complex and Their Interfacial Interaction. J Phys Chem C Nanomater Interfaces. 2018 Feb 15;122(6):3341-3349. doi: 10.1021/acs.jpcc.7b10234
56. Krishna Gopal Bhattacharyya, Susmita Sen Gupta, Adsorption of a few heavy metals on natural and modified kaolinite and montmorillonite: A review, Advances in Colloid and Interface Science, Volume 140, Issue 2, 2008, Pages 114-131, ISSN 0001-8686, https://doi.org/10.1016/j.cis.2007.12.008.