

## PUBLICATION LIST

1. **Kustomo**, Sri Juari Santosa, Andreas Haarstrick, Sam Fong Yau Li. (2024). Adsorption of Methylene Blue onto Magnetic Nanoparticles and Magnetic Nanoparticles Coated with Humic Acid. *AIP Conf. Proc.*, 3027, 050011, (2024). <https://doi.org/10.1063/5.0204810>
2. **Kustomo**. 2023. Kimia Lingkungan Berbasis Unity of Science (English: *Environmental Chemistry Integrated with Unity of Science*). ISBN Nb. 978-623-6408-56-8. Semarang: Fatawa Publishing. <https://www.researchgate.net/publication/377850446>
3. **Kustomo**, Choirun Nisa, L., & Mustofa, H. (2023). Penguatan Metode Computational Thinking untuk Guru Madrasah dalam Rangka Meningkatkan Minat Belajar Siswa Pasca Pandemi Covid-19 (English: *Strengthening Computational Thinking Methods for Madrasa Teachers in the Context of Increasing Students' Interest in Learning After the Covid-19 Pandemic*). *Warta LPM*, 26 (1), 1–10. <https://doi.org/10.23917/warta.v26i1.799>
4. Dominikus Niholan Tukan, Lilis Rosmainar Tambunan, **Kustomo**, Rasidah. (2023). A Review: Optimum Conditions for Magnetite Synthesis ( $Fe_3O_4$ ). *Jurnal Ilmiah Berkala: Sains dan Terapan Kimia*, 17(2), 15-22. <https://ppjp.ulm.ac.id/journal/index.php/jstk/article/download/15134/pdf>
5. **Kustomo**. 2022. Kemometri: Statistika dalam Ilmu Kimia (English: *Chemometrics: Statistics in Chemistry*). ISBN Nb. 978-623-5578-74-3. Semarang: CV. Alinea. <https://www.researchgate.net/publication/377850397>
6. Malikhatul Hidayah, **Kustomo**, Anfi'na Ilma Yunita. (2022). Batch Adsorption of Pb (II) Batch Using Humic Acid from Goat Dung. *al-Kimiya: Jurnal Ilmu Kimia dan Terapan*, 9(2), 55-61. <https://doi.org/10.15575/ak.v9i2.19735>
7. **Kustomo, K.** (2022). Chemometric Analysis of Iron, Manganese, and Zink Contents for Ground Water Quality Assessment around the Candi Industrial Estate of Semarang City. *Indonesian Journal of Chemical Science*, 11(3), 290-301. <https://journal.unnes.ac.id/sju/ijcs/article/view/58920>
8. **Kustomo**, Naila Lajja Zulfa Faza, Andreas Haarstrick. 2022. *Adsorption of Cd (II) into Activated Charcoal from Matoa Fruit Peels*. *Walisongo Journal of Chemistry*, vol.5 issue 1 (2022), page 83-93, DOI: <https://doi.org/10.21580/wjc.v5i1.11755>
9. **Kustomo**, Yunita Rohmawati. 2022. Toxicity Extract of Matoa Leaves (*Pometia Pinnata*) on *Artemia Salina* Larvae. *Proceeding of the 1<sup>st</sup> EDU-STEM (Education, Sciences, Technology, Engineering, and Mathematics) International Conference 2022*. <https://www.researchgate.net/publication/369750032>
10. **Kustomo**, Misbah Khoiruddin Zuhri. 2022. *Analisis Metalurgi Menurut Ilmu Kimia dan Perspektif Al Quran: Tinjauan Surat Al Kahfi ayat 96-97 (English: Metallurgical Analysis According to the Chemistry Science and the Perspective of the Koran: Overview of Surah Al Kahf verses 96-97)*. *Prosiding Konferensi Integrasi Interkoneksi Islam dan Sains (KIIS) Vol. 4, 2022, page 364-369.* <https://ejournal.uin-suka.ac.id/saintek/kiiis/article/view/3188/2447>
11. Dzikria Sari Pratiwi, Wirda Udaibah, **Kustomo**. 2021. *Synthesis of Hydrochar Cassava peels with Hydrothermal Carbonization Method and Applications as Hard Water Softener*. *Journal of Natural Sciences and Mathematics Research* Vol. 7 No.1 (2021), page 34-43. <https://journal.walisongo.ac.id/index.php/JNSMR/article/view/11283>
12. Mega Legi Vela, Metha Nur Kristanti, Anggita Ainur Rofiana, Anisa Dhaifa Salsabilla, Novtavia Shyntia Putri, Riky Setiawan, Tiyas Agustin, Anisa Nur Istiqomah, **Kustomo**. 2021. *Chemical Bonds: An Integration with Islamic Brotherhood Values*. *Cakrawala: Jurnal Studi Islam* Vol. 16 No. 2 (2021), page 121-133. DOI: <https://doi.org/10.31603/cakrawala.5103>
13. **Kustomo**, Rasidah, Daru Oktaviano. 2021. *Chemometrics Analysis for the Groundwater Quality Assessment in UIN Walisongo Semarang*. *Atlantis Press: Advances in Engineering Research* Vol. 211, 53-60, <https://doi.org/10.2991/aer.k.211222.009>
14. Sri Juari Santosa, Philip Anggo Krisbiantoro, Mustika Yuniarti, **Kustomo**, Soerja Koesnarpardi. 2021. *Magnetically separable humic acid-functionalized magnetite for reductive adsorption of tetrachloroaurate (III) ion in aqueous solution*. *Environmental Nanotechnology, Monitoring & Management*, Volume 15, 2021, 100454, ISSN 2215-1532, <https://doi.org/10.1016/j.enmm.2021.100454>
15. **Kustomo**. 2020. *Uji Karakterisasi dan Mapping Magnetit Nanopartikel Terlapisi Asam Humat dengan Scanning-Electron-Microscope–Energy Dispersive X-Ray (English: Characterization and Mapping of Magnetite Nanoparticles Coated Humic Acid by Scanning Electron Microscope–Energy Dispersive X-Ray)*. *Indonesian Journal of Chemical Science*, Vol. 9 No. 3 (2020), p 148-153, <https://journal.unnes.ac.id/sju/index.php/ijcs/article/view/42172>
16. Yunita Rohmawati, **Kustomo**. 2020. *Analisis Kualitas Air pada Reservoir PDAM Kota Semarang Menggunakan Uji Parameter Kimia, Fisika, dan Mikrobiologi, serta dikombinasikan dengan Analisis Kemometri (English: Analysis of Water Quality in the Reservoirs of Semarang Municipal Waterworks Using Chemical, Physical, and Microbiological Parameter Tests, and combined with Chemometric Analysis)*. *Walisongo Journal of Chemistry*, vol. 3 issue 2 (2020), page 100-107, <https://doi.org/10.21580/wjc.v3i2.6603>
17. **Kustomo**. 2019. *Studi Kinetika dan Adsorpsi Zat Warna Kation (Metilen Biru) dan Anion (Metil Orange) pada Magnetit Terlapisi Asam Humat (English: Adsorption and Kinetic Studies of Cation (Methylene Blue) and Anion (Methyl Orange) Dyes on Magnetite Nanoparticles Coated Humic Acid)*. *Jurnal Jejaring Matematika dan Sains*, vol. 1, issue 2 (2019), page 64-69, <https://doi.org/10.36873/jjms.v1i2.212>
18. S.N. Aisyiyah Jenie, Anis Kristiani, **Kustomo**, Sabar Simanungkalit, and Dieni Mansur. 2018. *Preparation of nanobiochar as magnetic solid acid catalyst by pyrolysis-carbonization from oil palm empty fruit bunches*. *Proceedings of the 3<sup>rd</sup> International Symposium on Applied Chemistry 2017, AIP Conf. Proc. 1904, 020018-1–020018-6;* <https://doi.org/10.1063/1.5011875>
19. **Kustomo**, Sri Juari Santosa, Nguyen Van Phuoc, Nguyen Thi Thanh Phuong, 2016, *Synthesis of Humic Acid-Coated Magnetite Nanoparticle ( $Fe_3O_4$ -HA) as an Adsorbent of Cationic and Anionic Dyes*, *Proceedings Journal of 5<sup>th</sup> International Conference of Environment and Natural Resources (ICENR) and 11<sup>th</sup> International Long-Term Ecological Research –East Asia Pasific Regional Network Conference (ILTER EAP) 2016*, ISBN number 978-614-73-4647-9, Institute for Environment and Resources, Vietnam National University, Ho Chi Minh City, Vietnam. [https://inis.iaea.org/search/search.aspx?orig\\_q=RN:51027958](https://inis.iaea.org/search/search.aspx?orig_q=RN:51027958)