

DAFTAR PUSTAKA

1. Al-Qaradawi S, Salman R Salman. 2002. Photocatalytic Degradation of Methyl Orange as a Model Compound. *Journal Of Photochemistry And Photobiology A: Chemistry*. 148 : 161-168.
2. Dhanalaksmi J, D Pathinettam Padiyan. 2017. Photocatalytic Degradation of Methyl Orange and Bromophenol Blue Dyes in Water Using Sol-Gel Synthesized TiO₂ Nanoparticles. *Department of Physics, Manonmaniam Sundaranar University*.
3. Bayat M, Vahid Javanbakht, Javad Esmaili. 2018. Synthesis of Zeolite/Nickel Ferrite/Sodium Alginate Bionanocomposite Via a Co-Precipitation Technique for Efficient Removal of Water-Soluble Methylene Blue Dye. *Biological Macromolecules*.
4. Liu J, Gang P, Xia J, Zhengji Y. 2018. Treatment of Methyl Orange by the Catalytic Wet Peroxide Oxidation Process in Batch and Continuous Fixed Bed Reactors Using Fe-Impregnated 13X as Catalyst. *Water Science & Technology*. 936-946.
5. Liu S, May L, Rose A. 2014. TiO₂-coated natural zeolite: Rapid humic acid adsorption and effective photocatalytic regeneration. *Chemical Engineering Science*. 105 : 46–52.
6. Liu X, Liu Y, Lu Shaoyong. 2018. Performance and mechanism into TiO₂/Zeolite composites for sulfadiazine adsorption and photodegradation. *Chemical Engineering Journal*. 350 : 131-147.
7. Hisanaga T, Keiichi T. 2002. Photocatalytic degradation of benzene on zeolite-incorporated TiO₂ film. *Journal of Hazardous Materials B93* : 331–337.
8. Huang M, Chunfang X, Zibao W. Photocatalytic Discolorization of Methyl Orange Solution by Pt Modified TiO₂ Loaded on Natural Zeolite. *Dyes and Pigments*. 77 : 327-334.
9. Las T, Husen Z. 2002. Penggunaan Zeolit Dalam Bidang Industri dan Lingkungan. *Jurnal Zeolit Indonesia Vol.1 No.1* : 27 - 34.

10. Aziztyana P. 2019. Optimisation of Methyl Orange Photodegradation Using TiO₂-Zeolite Photocatalyst and H₂ O₂ in Acid Condition. *Materials Science and Engineering*.
11. Bento R, Marina F. 2018. Titanium Dioxide Films for Photocatalytic Degradation of Methyl Orange Dye. *Titanium Dioxide - Material for a Sustainable Environment*. 211-225.
12. Zyoud H, Amani Z , Muath HSH. 2015. Optimizing Photo-Mineralization of Aqueous Methyl Orange by Nano-Zno Catalyst Under Simulated Natural Conditions. *Journal of Environmental Health Science & Engineering*. 13 : 46.
13. Haque E, Jong WJ, Sung HJ. 2011. Adsorptive Removal of Methyl Orange and Methylene Blue from Aqueous Solution with a Metal-Organic Framework Material, Iron Terephthalate (MOF-235). *Journal of Hazardous Materials*. 185 : 507–511.
14. Piri, F. Mollahosseini A, Amini J. 2019. Enhanced Adsorption of dyes on Microwave-assisted Synthesized Magnetic Zeolite-hydroxyapatite Nanocomposite. *Journal of Environmental Chemical Engineering*. 7.
15. Aini ZN. 2015. Artikel Review: Studi Variasi Metode Pada Sintesis Komposit Fotokatalis TiO₂ Dengan ZSM-5. *Departemen Kimia, Fakultas Ilmu Alam, Institut Teknologi Sepuluh Nopember (ITS)*.
16. Ullatil, S. G., Periyat, P. 2017. Sol-Gel Synthesis of Titanium Dioxide. *Sol-Gel Materials for Energy, Environment and Electronic Applications*: 217 – 283.
17. Poluaka M, Audy W, Meiske S.S. 2015. Aktivitas Fotokatalitik TiO₂ – Karbon Aktif dan TiO₂ – Zeolit pada Fotodegradasi Zat Warna Remazol Yellow. *Jurnal Mipa Unsrat Online 4 (2)* : 137-140.
18. Luo, H, Law W.W, Wu Y. 2018. Hydrothermal Synthesis of Needle-like Nanocrystalline Zeolites from Metakaolin and their Application for Efficient Removal of Organic Pollutants and Heavy Metals. *Microporous and Mesoporous Material*. 272 : 8-15.
19. Wang C, Leng S, Guo H. 2019. Quantitative Arrangement of Si/Al Ratio of Natural Zeolite Using Acid Treatment. *Applied Surface Science*. 498.

20. Hasnidawani J.N, H.N. Azlina, H. Norita. 2016. Synthesis of ZnO Nanostructures Using Sol-Gel Method. *Procedia Chemistry* 19: 211-216.
21. Kelechi B, Okoronkwo A.E, Alaneme K.K. 2018. Synthesis and Characterization of Chitosan – Silica Hybrid Aerogel using SolGel Method. *Journal of King Saud University - Science*
22. Ningsih SKW. 2016. Sintetik Anorganik. In: Oktavia B, Ratna E, eds. Sintesis Anorganik. *UNP Press Padang*. 245.
23. Fernandez B. 2012. Sintesis Nanopartikel SiO₂ Menggunakan Metoda Sol-Gel dan Aplikasinya Terhadap Aktifitas Sitotoksik Sel dalam Review Jurnal Nanoteknologi. *Review Jurnal Nanoteknologi*. Padang : Jurusan Kimia, Program Pascasarjana Universitas Andalas.
24. Anggara P, Wahyuni, AT Prasetya. 2013. Optimalisasi Zeolit Alam Wonosari dengan Proses Aktivasi secara Fisis dan Kimia. *Indonesian Journal of Chemical Science*. 2(1): 73-77.
25. Renni CP, F Widhi M, dan Nuni W. 2018. Pemanfaatan Zeolit Alam Teraktivasi sebagai Adsorben Ion Logam Fe(III) dan Cr(VI). *Indonesian Journal of Chemical Science*. 7 (1).
26. Lestari DY. 2010. Kajian Modifikasi dan Karakterisasi Zeolit Alam dari Berbagai Negara. *Prosiding Seminar Nasional Kimia dan Pendidikan Kimia Yogyakarta: Universitas Negeri Yogyakarta*.
27. Handhoyo R, Prijatama H, Sofiyah S. 2005. Peningkatan Rasio Si/Al Zeolit Alam Mordenit sebagai Bahan Dasar Zeolit Katalis. *Jurnal Zeolit Indonesia*. 4(1): 19-24.
28. Utubira Y, Wijaya K. 2006. Preparation and Characterization of TiO₂-Zeolite and its Application to Degrade Textille Wastewater by Photocatalytic Method. *Indo. J. Chem*. 6(3): 231-237.
29. Fauzi W, Simpen I, Sudiarta I. 2019. Sintesis dan Karakterisasi Zeolit-TiO₂ Serta Pemanfaatannya sebagai Fotokatalis untuk Degradasi Rhodamin B. *Jurnal Kimia*. 74 – 81.
30. Setiabudi A, Hardian R, Muzakir A. 2012. Karakterisasi Material ; Prinsip dan Aplikasinya dalam Penelitian Kimia. Bandung.

31. Z Sun, X He, J Du, W Gong. 2016. Synergistic Effect of Photocatalysis and Adsorption of Nano-TiO₂ Self-Assembled onto Sulfanyl/Activated Carbon Composite. *Environ Sci Pollut Res.* 23: 21733–21740.
32. L Bo, K He, T Na, G Bo. 2017. Photocatalytic Oxidation of Trace Carbamazepine in Aqueous Solution by Visible-Light-Driven ZnIn₂S₄ Performance and Mechanism. *J Environ Manage.* 190: 259–265.

