

DAFTAR PUSTAKA

1. Ahmad, I.: Inexpensive and Quick Photocatalytic Activity of Rare Earth (Er, Yb) Co-Doped ZnO Nanoparticles for Degradation of Methyl Orange Dye. *Separation and Purification Technology* 2019, 227, 115726.
2. Robinson, T.; McMullan, G.; Marchant, R.; Nigam, P.: Remediation of Dyes in Textile Effluent: A Critical Review on Current Treatment Technologies with a Proposed Alternative. *Bioresource Technology* 2001, 77, 247–255.
3. Parshetti, G.; Saratale, G.; Telke, A.; Govindwar, S.: Biodegradation of Hazardous Triphenylmethane Dye Methyl Violet by Rhizobium Radiobacter (MTCC 8161). *Journal of Basic Microbiology* 2009, 49, 36–42.
4. Kalra, S. S.; Mohan, S.; Sinha, A.; Singh, G.: Advanced Oxidation Processes for Treatment of Textile and Dye Wastewater: A Review. *Ipcbee* 2011, 4, 271–275.
5. Elvinawati.: Photolysis, Sonolysis and Ozonolysis for Degradation of 2 , 4-Dichlorophenoxyacetic Acid (2 , 4-D).
6. Linsebigler, A. L.; Lu, G.; Yates, J. T. Photocatalysis on TiO₂ Surfaces: Principles, Mechanisms, and Selected Results. *Chemical Reviews* 1995, 95 (3), 735–758.
7. Sagadevan, S.; Fatimah, I.; Egbosiuba, T. C.; Alshahateet, S. F.; Lett, J. A.; Weldegebrieal, G. K.; Le, M.-V.; Johan, M. R.: Photocatalytic Efficiency of Titanium Dioxide for Dyes and Heavy Metals Removal from Wastewater. *Bulletin of Chemical Reaction Engineering & Catalysis* 2022, 17 (2), 430–450.
8. Sari, W. R.; Hindryawati, N.; Dirgarini, R. R.; Nurlianti, J.: Modification of Activated Carbon from Shells of Jengkol with TiO₂ for Photodegradation of Rhodamine B. *Atomic Journal* 2019, 2, 64–68.
9. Danarto, Y.; T, S.: Pengaruh Aktivasi Karbon Dari Sekam Padi Pada Proses Adsorpsi Logam Cr(VI). *Ekuilibrium* 2008, 7 (1), 13–16.
10. Raut, E. R.; Bedmohata, M. A.; Chaudhari, A. R.: Comparative Study of Preparation and Characterization of Activated Carbon Obtained From Sugarcane Bagasse and Rice Husk by Using H₃PO₄ and ZnCl₂. *Materials Today: Proceedings* 2022.
11. Sanjaya, H.; Harnum, B.: Degradasi Methyl Violet Secara Fotolisis Dan Sonolisis Dengan Katalis TiO₂/SiO₂. *Chemistry Journal of State University of Padang* 2013, 2 (2), 40–45.
12. Senthil Kumar, P.; Ramakrishnan, K.; Dinesh Kirupha, S.; Sivanesan, S.: Thermodynamic and Kinetic Studies of Cadmium Adsorption from Aqueous Solution onto Rice Husk. *Brazilian Journal of Chemical Engineering* 2010, 27 (2), 347–355.
13. Naimah, S.; Ardhanie, S. A.; Jati, B. N.; Aidha, N. N.; Arianita, A. C.: Degradasi Zat Warna Pada Limbah Cair Industri Tekstil Dengan Metode Fotokatalitik Menggunakan Nanokomposit TiO₂ – Zeolit. *Jurnal Kimia Kemasan* 2014, 36, 225–236.
14. Akpan, U. G.; Hameed, B. H.: Parameters Affecting the Photocatalytic Degradation of Dyes Using TiO₂-Based Photocatalysts: A Review. *Journal of Hazardous Materials* 2009, 170, 520–529.
15. Dalhatou, S.; Pétrier, C.; Laminsi, S.; Baup, S.: Sonochemical Removal of Naphthol Blue Black Azo Dye: Influence of Parameters and Effect of Mineral Ions. *International Journal of Environmental Science and Technology* 2015, 12 (1), 35–44.
16. Song, S.; Ying, H.; He, Z.; Chen, J.: Mechanism of Decolorization and Degradation of CI Direct Red 23 by Ozonation Combined with Sonolysis.

- Chemosphere* 2007, 66 (9), 1782–1788.
17. Putri, R. A.; Safni, S.; Wellia, D. V.; Septiani, U.; Jamarun, N.: Degradasi Zat Warna Orange-F3R Dan Violet-3B Secara Sonolisis Frekuensi Rendah Dengan Penambahan Katalis C-N-Codoped TiO₂. *Jurnal Kimia Valensi* 2019, 5 (1), 35–43.
 18. Hamza, M.; Abdelhedi, R.; Brillas, E.; Sirés, I.: Comparative Electrochemical Degradation of the Triphenylmethane Dye Methyl Violet with Boron-Doped Diamond and Pt Anodes. *Journal of Electroanalytical Chemistry* 2009, 627, 41–50.
 19. Sanjaya, H.: Degradasi Metil Violet Menggunakan Katalis ZnO-TiO₂ Secara Fotosonolisis. *EKSAKTA: Berkala Ilmiah Bidang MIPA* 2018, 19 (1), 91–99.
 20. Riyani, K.; Setyaningtyas, T.; Dwiasih, D. W.: Pengolahan Limbah Cair Batik Menggunakan Fotokatalis TiO₂-Dopan-N Dengan Bantuan Sinar Matahari. *Jurnal Kimia Valensi* 2012, 2 (5), 581–587.
 21. Gunlazuardi, J.; Andayani, W.: Evaluasi Deklorinasi Dan Pemecahan Cincin Aromatis Selama Degradasi Pentaklorofenol Secara Fotokatalisis Pada Permukaan Lapisan Tipis Titanium Dioksida. 2002, 28–29.
 22. Agustina, T. E.; Bustomi, A.: Pengaruh Konsentrasi TiO₂ Dan Konsentrasi Limbah Pada Proses Pengolahan Limbah Pewarna Sintetik Procion Red Dengan Metode UV/Fenton/TiO₂. 2016, 22 (1), 65–72.
 23. Said, A.: Degradasi Pewarna Tartrazin Dengan Fotokatalis Titanium. *Cokroaminoto Journal of Chemical Science* 2021, 3, 21–27.
 24. Safni, S.; Fardila, S.; Maizatisna, M.; Zulfarman, Z.: Degradasi Zat Warna Metanil Yellow Secara Sonolisis Dan Fotolisis Dengan Penambahan TiO₂-Anatase. *Jurnal Sains dan Teknologi Farmasi* 2007, 47–51.
 25. Elvinawati.: Degradasi Asam 2,4-Diklorofenoksiasetat (2,4-D) Dalam Pestisida Santamin 865 SL Secara Fotolisis Dan Sonolisis Dengan Penambahan Katalis TiO₂ Anatase. *Exacta* 2009, 7 (2), 63–68.
 26. Jagannathan Madhavana.; Panneer Selvam Sathish Kumar.; Sambandam Anandan, Franz Grieser, M. A.: Degradation of Acid Red 88 by the Combination of Sonolysis and Photocatalysis. *Separation and Purification Technology* 2010, 74 (3), 336–341.
 27. Safni; Desmiati; Suyani, H.: Degradasi Senyawa Dikofol Dalam Pestisida Kelthane 200 EC Secara Fotolisis Dengan Penambahan TiO₂-Anatase. *Jurnal Riset Kimia* 2009, 2 (2), 140–148.
 28. S, R.; Bakri, R.; A, A. T.: Degradasi Fotokatalitik Zat Warna Direct Yellow Dan Direct Violet Dengan Katalis TiO₂/Agl - Sinar UV. *Jurnal Kimia Valensi* 2010, 2 (1), 319–324.
 29. Agustina, A. P.: Preparation and Characterization of Activated Carbon from Waste of Jengkol Shell (Pithecellobium Jiringa). *International Journal of Progressive Sciences and Technologies (IJPSAT)* 2019, 15 (2), 320–327.
 30. Martín-Peláez, S.; Martín-Orúe, S. M.: Feeding Strategies for the Control of *Salmonella* in Pigs. *Food Science & Technology Bulletin: Functional Foods* 2008, 5 (4), 39–49.
 31. Noviarty, N.; Anggraini, D.: Analisis Neodium Menggunakan Metoda Spektrofotometri UV-Vis. *PIN Pengelolaan Instalasi Nuklir* 2014, No. 11, 9–17.
 32. Yanlinastuti; Fatimah, S.: Pengaruh Konsentrasi Pelarut Untuk Menentukan Kadar Zirkonium Dalam Paduan U-Zr Dengan Mengguakan Metode Spektrofotometri UV-VIS. *PIN Pengelolaan Instalasi Nuklir* 2016, 9 (17), 22–33.
 33. Liu, X.; Li, Q.; Zhang, G.; Ma, X.; Zhu, P.; Li, X.: Characterization of Activated Carbon Precursors Prepared by Dry-Air Oxidant and Its Effects on the

- Adsorptions of Activated Carbons. *Fuel* 2022, 318, 123723.
- 34. Poluakan, M.; Wuntu, A.; Sangi, M. S.: Aktivitas Fotokatalitik TiO₂ – Karbon Aktif dan TiO₂ – Zeolit Pada Fotodegradasi Zat Warna Remazol Yellow. *Jurnal MIPA* 2015, 4 (2), 137–140.
 - 35. Hilal, H. S.; Majjad, L. Z.; Zaatar, N.; El-Hamouz, A.: Dye-Effect in TiO₂ Catalyzed Contaminant Photo-Degradation: Sensitization vs. Charge-Transfer Formalism. *Solid State Sciences* 2007, 9 (1), 9–15.
 - 36. Legiso; Juniar, H.; Sari, U. M.: Perbandingan Efektivitas Karbon Aktif Sekam Padi Dan Kulit Pisang Kepok Sebagai Adsorben Pada Pengolahan Air Sungai Enim. *Seminar Nasional Sains dan Teknologi 2019* 2019, 1–13.
 - 37. Anantha Prabhu, C.; Silambarasan, D.; Sarika, R.; Selvam, V.: Synthesis and Characterization of TiO₂. *Materials Today: Proceedings* 2022.
 - 38. Santiyo Wibowo.; Wasrin Syafi, G. P.: Karakterisasi Permukaan Arang Aktif Tempurung Biji Nyamplung. 2011, 15 (1), 17–24.
 - 39. Setthaya, N.; Chindaprasirt, P.; Yin, S.; Pimraksa, K.: TiO₂-Zeolite Photocatalysts Made of Metakaolin and Rice Husk Ash for Removal of Methylene Blue Dye. *Powder Technology* 2017.
 - 40. Santos, L. R. do.; Mascarenhas, A. J. S.; Silva, L. A. Preparation and Evaluation of Composite With a Natural Red Clay and TiO₂ for Dye Discoloration Assisted by Visible Light. *Applied Clay Science* 2017, 135, 603–610.
 - 41. Jeyasubramanian, K.; Hikku, G. S.; Sharma, R. K.: Photo-Catalytic Degradation of Methyl Violet Dye Using Zinc Oxide Nano Particles Prepared by a Novel Precipitation Method and Its Anti-Bacterial Activities. *Journal of Water Process Engineering* 2015, 8, 35–44.
 - 42. Solikha, D. F.: Penentuan Kadar Tembaga (II) Pada Sampel Menggunakan Spektroskopi Serapan Atom (SSA) Pada Perkin Erlmer Analys 100 Metode Kurva Kalibrasi. *Jurnal Ilmiah Indonesia* 2019, 4 (2), 1–11.
 - 43. Ruliza, M. O.; Agustina, T. E.; Mohadi, R.: Impregnation of Activated Carbon-TiO₂ Composite and Its Application in Photodegradation of Procion Red Synthetic Dye in Aqueous Medium. *IOP Conference Series: Earth and Environmental Science* 2018, 105, 012024.
 - 44. Andayani, W.; Sumartono, A.; Andayani, W.; Sumartono, A.: TiO₂ And TiO₂/Active Carbon Photocatalysts Immobilized On Titanium Plates. *Indo. J. Chem* 2007, 7 (3), 238–242.
 - 45. Zilfa, B.; Rahm, F.: Degradasi Tartrazin Menggunakan Katalis ZnO/Zeolit Secara Fotolisis. 2015, 239–247.
 - 46. Al-Amin, M.; Chandra Dey, S.; Rashid, T. U.; Ashaduzzaman, M.; Shamsuddin, S. M.: Solar Assisted Photocatalytic Degradation of Reactive Azo Dyes in Presence of Anatase Titanium Dioxide. *International Journal of Latest Research in Engineering and Technology (IJLRET)* 2016, 2, 14–21.
 - 47. Palanivelu, K.; Im, J.-S.; Lee, Y.-S.: Carbon Doping of TiO₂ for Visible Light Photo Catalysis - A Review. *Carbon letters* 2007, 8 (3), 214–224.