

DAFTAR PUSTAKA

- [1] Lei, X. F., et al. Visible light-responded C, N and S co-doped anatase TiO₂ for photocatalytic reduction of Cr (VI). *Journal of Alloys and Compounds*, 2015, 646: 541-549.
- [2] Lei, X. F.; Xue, X. X.; Yang, H. Preparation and characterization of Ag-doped TiO₂ nanomaterials and their photocatalytic reduction of Cr (VI) under visible light. *Applied Surface Science*, 2014, 321: 396-403.
- [3] Xu, Qing Chi, et al. Superhydrophilicity-assisted preparation of transparent and visible light activated N-doped titania film. *Nanoscale*, 2010, 2.7: 1122-1127.
- [4] Li, Liang-Hai, et al. Fabrication of the C N co-doped rod-like TiO₂ photocatalyst with visible-light responsive photocatalytic activity. *Materials Research Bulletin*, 2012, 47.6: 1508-1512.
- [5] Wang, Xiaoping; LIM, Teik-Thye. Solvothermal synthesis of C–N codoped TiO₂ and photocatalytic evaluation for bisphenol A degradation using a visible-light irradiated LED photoreactor. *Applied Catalysis B: Environmental*, 2010, 100.1: 355-364.
- [6] Zhang, Jinfeng, et al. New understanding of the difference of photocatalytic activity among anatase, rutile and brookite TiO₂. *Phys. Chem. Chem. Phys.*, 2014, 16.38: 20382-20386.
- [7] Rodriguez, José A.; Fernandez-Garcia, Marcos (ed.). *Synthesis, properties, and applications of oxide nanomaterials*. John Wiley & Sons, 2007.
- [8] Nakata, Kazuya; Fujishima, Akira. TiO₂ photocatalysis: design and applications. *Journal of Photochemistry and Photobiology C: Photochemistry Reviews*, 2012, 13.3: 169-189.
- [9] Yuan, Yali, et al. TiO₂ nanoparticles co-doped with silver and nitrogen for antibacterial application. *Journal of nanoscience and nanotechnology*, 2010, 10.8: 4868-4874.
- [10] Li, Jingxia, et al. Dependence of Ag deposition methods on the photocatalytic activity and surface state of TiO₂ with twistlike helix structure. *The Journal of Physical Chemistry C*, 2009, 113.19: 8343-8349.
- [11] Hua, Z.-L., et al. Formation of nanosized TiO₂ in mesoporous silica thin films. *Advanced Materials*, 2002, 14.11: 830-833.
- [12] Bagheril, Samira, et al. Photocatalytic performance of activated carbon-supported mesoporous titanium dioxide. *Desalination and Water Treatment*, 2016, 57.23: 10859-10865.

- [13] Widiyandari, Hendri; Budiman, Maman. Pengaruh Laju Aliran Gas N₂ Terhadap Sifat Optik Film Tipis GaN yang Ditumbuhkan Dengan Teknik Pulsed Laser Deposition (PLD). *BERKALA FISIKA*, 2004, 7.1: 28-34.
- [14] WANG, Xin, et al. Synthesis, structural characterization and evaluation of floating BN codoped TiO₂/expanded perlite composites with enhanced visible light photoactivity. *Applied Surface Science*, 2015, 349: 264-271.
- [15] Guo, Meili; DU, Jiulin. ELECTRONIC AND OPTICAL PROPERTIES OF C-N-CODOPED TiO₂: A FIRST-PRINCIPLES GGA+ U INVESTIGATION. *International Journal of Modern Physics B*, 2013, 27.23: 1350123.
- [16] Xu, Qing Chi, et al. Synthesis of porous and visible-light absorbing Bi₂WO₆/TiO₂ heterojunction films with improved photoelectrochemical and photocatalytic performances. *The Journal of Physical Chemistry C*, 2011, 115.15: 7419-7428.
- [17] Asahi, Ryoji, et al. Visible-light photocatalysis in nitrogen-doped titanium oxides. *science*, 2001, 293.5528: 269-271.
- [18] Low, Wasu; Boonamnuayvitaya, Virote. A study of photocatalytic graphene-TiO₂ synthesis via peroxy titanic acid refluxed sol. *Materials Research Bulletin*, 2013, 48.8: 2809-2816.
- [19] Tuti, S. S., et al. Sintesis Lapisan Tipis TiO₂ dan Analisis Sifat Fotokatalisnya. *Jurnal Sains Material Indonesia, Departemen Kimia FMIPA IPB, Bogor*, 2006.
- [20] Alanis, Claudia, et al. Photocatalytically enhanced Cr (VI) removal by mixed oxides derived from MeAl (Me: Mg and/or Zn) layered double hydroxides. *Applied Catalysis B: Environmental*, 2013, 140: 546-551.
- [21] Mani, A. Daya, et al. Facile synthesis of efficient visible active C-doped TiO₂ nanomaterials with high surface area for the simultaneous removal of phenol and Cr (VI). *Materials Research Bulletin*, 2015, 61: 391-399.
- [22] Wang, Chong-Chen, et al. Photocatalytic Cr (VI) reduction in metal-organic frameworks: A mini-review. *Applied Catalysis B: Environmental*, 2016, 193: 198-216.
- [23] Purnawan, Candra. REDUKSI LOGAM BERAT CHROMIUM (VI) DENGAN FOTOKATALIS KOMPOSIT TiO₂-SiO₂. *Bumi Lestari*, 2013, 13.2.
- [24] Ebraheem, Saif; El-Saied, Antar. Band gap determination from diffuse reflectance measurements of irradiated lead borate glass system doped with TiO₂ by using diffuse reflectance technique. 2013.
- [25] Cullity, Bernard Dennis. Elements of X-ray Diffraction. 2001.

- [26] SEM, TEM. Review: Karakterisasi Nanomaterial. *Jurnal Nanosains & Nanoteknologi* ISSN, 2009, 1979: 0880.
- [27] Welton, Joann E. *SEM petrology atlas*. Tulsa^ eOklahoma Oklahoma: American Association of Petroleum Geologists, 1984.
- [29] Rehman, Shama, et al. Strategies of making TiO₂ and ZnO visible light active. *Journal of hazardous materials*, 2009, 170.2: 560-569.

