

REFERENSI

- [1] M. Shadreck dan T. Mugadza, "Chromium, an essential nutrient and pollutant: A review," *African Journal of Pure and Applied Chemistry*, vol. 7, no. 9, pp. 310-317, 2013.
- [2] M. A. Septiono dan D. Roosmini, "Heavy Metal Distribution in Water, Sediment, and Fish at Upper Citarum River and Its Potential Exposure Pathway to Human," dalam *he 5th Environmental Technology and Management Conference "Green Technology towards Sustainable Environment"*, Bandung, 2015.
- [3] M. Rozana, N. I. Soaid, T. W. Kian, G. Kawamura, A. Matsuda dan Z. Lockman, "Photocatalytic performance of freestanding tetragonal zirconia nanotubes formed in H₂O₂/NH₄F/ethylene glycol electrolyte by anodisation of zirconium," *Nanotechnology*, vol. 28, no. 15, p. 155604, 2017.
- [4] A. G. Sanchez, M. Katunar dan S. Ceré, "Structural characteristics and barrier properties of anodic zirconium oxides for biomedical applications," dalam *Nanostructured Anodic Metal Oxides: Synthesis and Applications*, ELSEVIER, 2020, p. 321–338.
- [5] N. Bashrom, T. W. Kian, G. Kawamura, A. Matsuda, K. A. Razak dan Z. Lockman, "Sunlight activated anodic freestanding ZrO₂ nanotube arrays for Cr(VI) photoreduction," *Nanotechnology*, vol. 29, no. 37, p. 375701, 2018.
- [6] G. D. Sulka, "Introduction to anodization of metals," dalam *Nanostructured Anodic Metal Oxides: Synthesis and Applications*, ELESEVIER, 2020, pp. 1-23.
- [7] W. Jiang, J. He, J. Zhong, J. Lu, S. Yuan dan B. Liang, "Preparation and Photocatalytic Performance of ZrO₂ Nanotubes Fabricated with Anodization Process," *Applied Surface Science*, vol. 307, pp. 407-413, 2014.
- [8] The Nilaco Corporation, "Catalog | The Nilaco Corporation," <https://shop.nilaco.jp/en/order/?MENU=15>, [Online]. Available: <https://shop.nilaco.jp/en/order/?MENU=15>. [Diakses 10 November 2020].
- [9] Mindat.org, "Baddeleyite: Mineral information, data and localities," [Online]. Available: <https://www.mindat.org/min-480.html>. [Diakses 19 November 2020].
- [10] N. Alias, S. A. Rosli, N. Bashrom, M. Rozana, W. K. Tan, G. Kawamura, P. Nbelayim, A. Matsuda, Z. Hussain dan Z. Lockman,

- “Oxide nanotubes formation by anodic process and their application in photochemical reactions for heavy metal removal,” dalam *Nanostructured Anodic Metal Oxides: Synthesis and Applications*, ELSEVIER, 2020, pp. 277-299.
- [11] N. Bashrom, M. Rozana, N. I. Soaid, K. A. Razak, A. Berenov, S. Ismail, T. W. Kian, G. Kawamura, A. Matsuda dan Z. Lockman, “Anodic ZrO₂ Nanotubes for Heavy Metal Ions Removal,” dalam *1-Dimensional Metal Oxide Nanostructures*, New York, CRC Press, 2019, pp. 143-177.
- [12] E. Agorku, A. Kuvarega, B. Mamba, A. Pandey dan A. Mishra, “Enhanced visible-light photocatalytic activity of multi-elements-doped ZrO₂ for degradation of indigo carmine,” *Journal of Rare Earths*, vol. 33, no. 5, pp. 498-506, 2015.
- [13] K. Indira, U. K. Mudali, T. Nishimura dan N. Rajendran, “A Review on TiO₂ Nanotubes: Influence of Anodization Parameters, Formation Mechanism, Properties, Corrosion Behavior, and Biomedical Applications,” *Journal of Bio- and Tribo-Corrosion*, vol. 1, no. 28, 2015.
- [14] R. Xu, J. Zhao, J. Tao, X. Wang dan Y. Li, “Fabrication of Ti–Al–Zr alloy oxide nanotube arrays in organic electrolytes by anodization,” *Journal of Applied Electrochemistry*, vol. 38, pp. 1229-1232, 2008.
- [15] S. Yoriya, “Effect of Inter-Electrode Spacing on Electrolyte Properties and Morphologies of Anodic TiO₂ Nanotube Array Films,” *Journal Of Electrochemical Science*, vol. 7, pp. 9454 - 9464, 2012.
- [16] A. Idris, N. Hassan, R. Rashid dan A.-F. Ngomsik, “Kinetic and regeneration studies of photocatalytic magnetic separable beads for chromium (VI) reduction under sunlight,” *Journal of Harzardous Materials*, vol. 186, no. 1, pp. 629-635, 2010.
- [17] R. Baird dan L. Bridgewater, *Standard methods for the examination of water and wastewater*, Washington: American Public Health Association, 2017.
- [18] P. Roy, S. Berger dan P. Schmuki, “TiO₂ Nanotubes: Synthesis and Applications,” *Angewandte Chemie International Edition*, vol. 50, no. 13, pp. 2904-2939, 2011.
- [19] Y. Liao, D. Zhang, Q. Wang, T. Wen, L. Jia, Z. Zhong, F. Bai, L. Tang, W. Que dan H. Zhang, “Open-top TiO₂ nanotube arrays with enhanced photovoltaic and photochemical performance via a micromechanical cleavage approach,” *Journal of Materials Chemistry A*, vol. 3, no. 27, pp. 14279-14283, 2015.
- [20] N. Bashrom, R. A. Khairunisak dan Z. Lockman, “Synthesis of

freestanding amorphous ZrO_2 nanotubes by anodization and their application in photoreduction of Cr(VI) under visible light,” *Surface & Coatings Technology*, vol. 320, pp. 371-376, 2016.

- [21] Y. Deng dan R. Zhao, “Advanced Oxidation Processes (AOPs) in Wastewater Treatment,” *Current Pollution Reports*, vol. 1, no. 3, p. 167–176, 2015.
- [22] Y. Lin, G. Yuan, R. Liu, S. Zhou, S. W. Sheehan dan D. Wang, “Semiconductor nanostructure-based photoelectrochemical water splitting: A brief review,” *Chemical Physics Letters*, vol. 507, no. 4-6, pp. 209-215, 2011.