

DAFTAR PUSTAKA

- Abbott, S., & Holmes, N. (2013). *Nanocoatings: Principles and Practice*. DEStech Publications.
- Acharya, R. (2021). *A Comprehensive Guide to Nanoparticles in Medicine*. Bentham Science Publishers.
- Achouri, F., Merlin, C., Corbel, S., Alem, H., Mathieu, L., Balan, L., Medjahdi, G., Said, M. Ben, Ghrabi, A., & Schneider, R. (2018). ZnO Nanorods with High Photocatalytic and Antibacterial Activity under Solar Light Irradiation. *Materials*, 11(11). <https://doi.org/10.3390/ma11112158>
- Adam, R. E. (2020). *Synthesis and Characterization of Some Nanostructured Materials for Visible Light-driven Photo Processes*. Linkoping University Electronic Press.
- Ana, I. D. (2022). *Tinjauan Biomedis: Biokeramik dan Rekayasa Jaringan*. UGM Press.
- Baruah, S., Pal, S. K., & Dutta, J. (2012). Nanostructured Zinc Oxide for Water Treatment. *Nanoscience & Nanotechnology-Asia*, 2(2), 90–102. <https://doi.org/10.2174/2210681211202020090>
- Cesar, C. C., Gnambodoe, M. C., Lin, F., Yu, D., & Wang, Y. L. (2016). Effect of growth time and annealing on the structural defect concentration of hydrothermally grown ZnO nanowires. *AIMS Materials Science*, 3(2), 562–572. <https://doi.org/10.3934/matersci.2016.2.562>
- Dahotre, N. B., & Harimkar, S. (2008). Laser Materials Interactions. In *Laser Fabrication and Machining of Materials* (p. 62). Springer US.
- Eskandari, M., Goudarzi, N., & Moussavi, S. G. (2017). Application of low-voltage UVC light and synthetic ZnO nanoparticles to photocatalytic degradation of ciprofloxacin in aqueous sample solutions. *Water and Environment Journal*, 32(1), 58–66. <https://doi.org/https://doi.org/10.1111/wej.12291>
- Ethica, S. N. (2018). *Buku Referensi Bioremediasi Limbah Biomedik Cair*. Deepublish.
- Farahbod, F., & Farahmand, S. (2017). Empirical Investigation of Heating and Kinematic Performance of ZnO Nano Fluid in a Heat Pipe. *Journal of Nanofluids*, 6(1), 128–135. <https://doi.org/10.1166/jon.2017.1306>
- Fitri, Z. (2020). *Kimia Unsur Golongan Utama*. Syiah Kuala University Press.
- Gavrilenko, E. A., Goncharova, D. A., Lapin, I. N., Gerasimova, M. A., & Svetlichnyi, V. A. (2020). Photocatalytic Activity of Zinc Oxide Nanoparticles Prepared by Laser Ablation in a Decomposition Reaction of Rhodamine B. *Russian Physics Journal*, 63, 1429–1437. <https://doi.org/10.1007/s11182-020-02188-z>
- Gurav, K. V., Patil, U. M., Pawar, S. M., Kim, J. H., & Lokhande, C. D. (2011). Controlled crystallite orientation in ZnO nanorods prepared by chemical bath deposition: Effect of H₂O₂. *Journal of Alloys and Compounds*, 509, 7723–7728. <https://doi.org/10.1016/j.jallcom.2011.04.094>
- Hamid, A. (2021). *Pendahuluan Fisika Zat Padat*. Syiah Kuala University Press.
- Hindryawati, N. (2020). *Fotokatalisis Dalam Pengolahan Limbah Tekstil*.

- Deepublish.
- Huang, H., Lai, J., Lu, J., & Li, Z. (2021). Performance enhancement of ZnO ultraviolet detector by localized surface plasmon resonance of Al nanoparticles. *Applied Physics A*, 127(679). <https://doi.org/https://doi.org/10.1007/s00339-021-04820-2>
- Inkson, B. J. (2016). Scanning electron microscopy (SEM) and transmission electron microscopy (TEM) for materials characterization. In *Materials Characterization Using Nondestructive Evaluation (NDE) Methods*. Woodhead Publishing. <https://doi.org/https://doi.org/10.1016/B978-0-08-100040-3.00002-X>
- Jeevanandam, P. (2009). Nanorods. In *Nanoscale Materials in Chemistry* (p. 156). Wiley.
- Kafle, B. P. (2019). *Chemical Analysis and Material Characterization by Spectrophotometry*. Elsevier Science.
- Khashan, K. S., & Mahdi, M. (2017). Preparation of indium-doped zinc oxide nanoparticles by pulsed laser ablation in liquid technique and their characterization. *Applied Nanoscience*, 7, 589–596. <https://doi.org/10.1007/s13204-017-0602-y>
- Korotcenkov, G. (2021). *Nanostructured zinc oxide: Synthesis, properties and applications*. Elsevier Science.
- Kumar, N., & Kumbhat, S. (2018). *Concise Concepts of Nanoscience and Nanomaterials*. Scientific Publishers.
- Liu, Y., & Gao, W. (2015). Growth process, crystal size and alignment of ZnO nanorods synthesized under neutral and acid conditions. *Journal of Alloys and Compounds*, 629, 84–91. <https://doi.org/http://dx.doi.org/10.1016/j.jallcom.2014.12.139>
- Mahalaxmi, S. (2020). *Materials Used in Dentistry*. Wolters Kluwer.
- McClelland, A., & Mankin, M. (2018). *Optical measurements for scientists and engineers*. Cambridge University Press.
- Mishra, D. (2017). *Fundamentals of Rocket Propulsion*. CRC Press.
- Moghadas, B. kamyab, Esmaeili, H., Tamjidi, S., & Geramifard, A. (2022). Advantages of Nanoadsorbents, Biosorbents, and Nanobiosorbents for Contaminant Removal. In *Nano-biosorbents for Decontamination of Water, Air, and Soil Pollution* (p. 107). Elsevier.
- Mohan, S. (2019). *Lasers*. MJP Publisher.
- Mwafy, E. A., & Mostafa, A. M. (2019). Multi walled carbon nanotube decorated cadmium oxide nanoparticles via pulsed laser ablation in liquid media. *Optics & Laser Technology*, 111, 249–254. <https://doi.org/10.1016/j.optlastec.2018.09.055>
- Ong, C. B., Ng, L. Y., & Mohammad, A. W. (2018). A review of ZnO nanoparticles as solar photocatalysts: Synthesis, mechanisms and applications. *Renewable and Sustainable Energy Reviews*, 81, 536–551. <https://doi.org/http://dx.doi.org/10.1016/j.rser.2017.08.020>
- Pang, H.-F., Luo, J. K., & Fu, Y. Q. (2018). ZnO Thin Films and Nanostructures for Acoustic Wave-Based Microfluidic and Sensing Applications. In *Functional Materials and Electronics* (p. 211). Apple Academic Press.

- Qisti, N., Indrasti, N. S., & Suprihatin. (2016). Optimization of process condition of nanosilica production by hydrothermal method. *IOP Conference Series: Materials Science and Engineering*, 162. <https://doi.org/10.1088/1757-899X/162/1/012036>
- Rao, K. S., Ganeev, R. A., Zhang, K., Fu, Y., Boltaev, G. S., Krishnendu, P. S., Redkin, P. V., & Guo, C. (2018). Laser ablation-induced synthesis and nonlinear optical characterization of titanium and cobalt nanoparticles. *Journal of Nanoparticle Research Volume*, 20(285). <https://doi.org/10.1007/s11051-018-4391-3>
- Rasheed, T., Bilal, M., Iqbal, H. M. N., Hu, H., & Zhang, X. (2017). Reaction Mechanism and Degradation Pathway of Rhodamine 6G by Photocatalytic Treatment. *Water, Air, & Soil Pollution*, 228(291). <https://doi.org/https://doi.org/10.1007/s11270-017-3458-6>
- Sabnis, R. W. (2015). *Handbook of Fluorescent Dyes and Probes*. Wiley.
- Sani, R. A. (2021). *Karakterisasi Material*. Bumi Aksara.
- Shajkumar, A., & Ramadoss, A. (2019). Recent Advancements in Photocatalytic Nanocomposites. In *Diverse Applications of Organic-Inorganic Nanocomposites: Emerging Research and Opportunities* (p. 139). IGI Global.
- Sitorus, E., Mukrim, M. I., Soputra, D., R, A., Mohamad, E., Sofia, I., Munthe, S. A., Tangio, J. S., NNPS, R. I. N., & Mahyati. (2022). *Pengantar Ilmu Lingkungan*. Yayasan Kita Menulis.
- Sulciute, A., Nishimura, K., Gilshtein, E., Cesano, F., Viscardi, G., Nasibulin, A. G., Ohno, Y., & Rackauskas, S. (2021). ZnO Nanostructures Application in Electrochemistry : Influence of Morphology. *Journal of Physical Chemistry C*, 125(2), 1472–1482. <https://doi.org/10.1021/acs.jpcc.0c08459>
- Suyanta. (2019). *Buku Ajar Kimia Unsur*. UGM Press.
- Swapnalin, J., Banerjee, P., Sabbannahalli, C., Rangappa, D., & Kondamareddy, K. K. (2022). Computational Techniques on Optical Properties of Metal-Oxide Semiconductors. In *Optical Properties and Applications of Semiconductors*. CRC Press. <https://doi.org/10.1201/9781003188582-10>
- Taher, F. A., & Abdeltwab, E. (2019). Chemical Approaches for 1D Oxide Nanostructures. In *Nanomaterials Synthesis* (p. 59). Elsevier.
- Tripathi, S. L., Alvi, P. A., & Subramaniam, U. (2021). *Electrical and Electronic Devices, Circuits and Materials*. CRC Press.
- Trisunaryanti, W. (2018). *Material Katalis dan Karakternya*. UGM Press.
- Ul-Hamid, A. (2018). *A Beginners Guide to Scanning Electron Microscopy*. Springer International Publishing.
- Vasireddi, R., Javvaji, B., Vardhan, H., Mahapatra1, D. R., & Hegde, G. M. (2017). Growth of zinc oxide nanorod structures: pressure controlled hydrothermal process and growth mechanism. *Journal of Materials Science*, 52, 2007–2020. <https://doi.org/10.1007/s10853-016-0489-0>
- Wang, M., Jiang, L., Kim, E. J., & Hahn, S. H. (2015). Electronic structure and optical properties of Zn(OH)2 : LDA+U calculations and intense yellow luminescence. *RSC Advances*, 5(106). <https://doi.org/https://doi.org/10.1039/C5RA17024A>

- Wang, S., & Gao, L. (2019). Laser-driven Nanomaterials and Laser-enabled Nanofabrication for Industrial Applications. In *Industrial Applications of Nanomaterials* (p. 185). Elsevier.
<https://doi.org/https://doi.org/10.1016/B978-0-12-815749-7.00007-4>
- Wang, Y. L. (2015). *Piezoelectric ZnO Nanostructure for Energy Harvesting*. Wiley.
- Weldegebrial, G. K. (2020). Synthesis method, antibacterial and photocatalytic activity of ZnO nanoparticles for azo dyes in wastewater treatment: A review. *Inorganic Chemistry Communications*, 120.
<https://doi.org/10.1016/j.inoche.2020.108140>
- Widi, R. K. (2018). *Pemanfaatan Material Anorganik: Pengenalan dan Beberapa Inovasi di Bidang Penelitian*. Deepublish.
- Wonorahardjo, S. (2020). *Pengantar Kimia Analitik Modern*. Penerbit Andi.
- Yang, G., & Park, S.-J. (2019). Conventional and Microwave Hydrothermal Synthesis and Application of Functional Materials: A Review. *Materials*, 12(7). <https://doi.org/10.3390/ma12071177>
- Zhang, W. (2022). *Nanotechnology for Bioengineers*. Springer International Publishing.
- Zhou, Q., Wen, J. Z., Zhao, P., & Anderson, W. A. (2017). Synthesis of Vertically-Aligned Zinc Oxide Nanowires and Their Application as a Photocatalyst. *Nanomaterials (Basel)*, 7(1), 9.
<https://doi.org/10.3390/nano7010009>