

DAFTAR PUSTAKA

- [1] Yousefi, H. R., Hashemi, B., Mirzaei, A., Roshan, H., & Sheikhi, M. H. (2020). Effect of Ag on the ZnO nanoparticles properties as an ethanol vapor sensor. *Materials Science in Semiconductor Processing*, 117. <https://doi.org/10.1016/j.mssp.2020.105172>
- [2] Goswami, M., Adhikary, N. C., & Bhattacharjee, S. (2018). Effect of annealing temperatures on the structural and optical properties of zinc oxide nanoparticles prepared by chemical precipitation method. *Optik*, 158, 1006–1015. <https://doi.org/10.1016/j.ijleo.2017.12.174>
- [3] Saadon, R., & Abdul Azeez, O. (2014). Chemical route to synthesis hierarchical ZnO thick films for sensor application. *Energy Procedia*, 50, 445–453. <https://doi.org/10.1016/j.egypro.2014.06.054>
- [4] Kolodziejczak-Radzimska, A., & Jesionowski, T. (2014). Zinc oxide—from synthesis to application: A review. In *Materials* (Vol. 7, Issue 4, pp. 2833–2881). MDPI AG. <https://doi.org/10.3390/ma7042833>
- [5] Özgür, Ü., Alivov, Y. I., Liu, C., Teke, A., Reshchikov, M. A., Doğan, S., Avrutin, V., Cho, S. J., & Morkoç, H. (2005). A comprehensive review of ZnO materials and devices. In *Journal of Applied Physics* (Vol. 98, Issue 4, pp. 1–103). <https://doi.org/10.1063/1.1992666>
- [6] Feng, W., Wang, B., Huang, P., Wang, X., Yu, J., & Wang, C. (2016). Wet chemistry synthesis of ZnO crystals with hexamethylenetetramine(HMTA): Understanding the role of HMTA in the formation of ZnO crystals. *Materials Science in Semiconductor Processing*, 41, 462–469. <https://doi.org/10.1016/j.mssp.2015.10.017>
- [7] Di Mauro, A., Farrugia, C., Abela, S., Refalo, P., Grech, M., Falqui, L., Nicotra, G., Sfancia, G., Mio, A., Buccheri, M. A., Rappazzo, G., Brundo, M. V., Scalisi, E. M., Pecoraro, R., Iaria, C., Privitera, V., & Impellizzeri, G. (2020). Ag/ZnO/PMMA Nanocomposites for Efficient Water Reuse. *ACS Applied Bio Materials*, 3(7), 4417–4426. <https://doi.org/10.1021/acsabm.0c00409>

- [8] Franco, M. A., Conti, P. P., Andre, R. S., & Correa, D. S. (2022). A review on chemiresistive ZnO gas sensors. *Sensors and Actuators Reports*, 4. <https://doi.org/10.1016/j.snr.2022.100100>
- [9] Gai, L. Y., Lai, R. P., Dong, X. H., Wu, X., Luan, Q. T., Wang, J., Lin, H. F., Ding, W. H., Wu, G. L., & Xie, W. F. (2022). Recent advances in ethanol gas sensors based on metal oxide semiconductor heterojunctions. In *Rare Metals* (Vol. 41, Issue 6, pp. 1818–1842). University of Science and Technology Beijing. <https://doi.org/10.1007/s12598-021-01937-4>
- [10] Li, P., Yu, S., & Zhang, H. (2021). Preparation and performance analysis of ag/zno humidity sensor. *Sensors (Switzerland)*, 21(3), 1–9. <https://doi.org/10.3390/s21030857>
- [11] Xu, J., Han, J., Zhang, Y., Sun, Y., & Xie, B. (2008). Studies on alcohol sensing mechanism of ZnO based gas sensors. *Sensors and Actuators, B: Chemical*, 132(1), 334–339. <https://doi.org/10.1016/j.snb.2008.01.062>
- [12] Jing, Z., & Zhan, J. (2008). Fabrication and gas-sensing properties of porous ZnO nanoplates. *Advanced Materials*, 20(23), 4547–4551. <https://doi.org/10.1002/adma.200800243>
- [13] Abdul Hamid, H., Lockman, Z., & Abdul Razak, K. (2018). Properties of Zinc Oxide Nanorods as Ethanol Sensor. *Journal of Physics: Conference Series*, 1083(1). <https://doi.org/10.1088/1742-6596/1083/1/012039>
- [14] Webster, J. G., & Eren, H. (Eds.). (2017). *Measurement, Instrumentation, and Sensors Handbook*. CRC Press. <https://doi.org/10.1201/b15474>
- [15] Terzic, E., Terzic, J., Nagarajah, R., & Alamgir, M. (2012). Capacitive Sensing Technology. In *A Neural Network Approach to Fluid Quantity Measurement in Dynamic Environments* (pp. 11–37). Springer London. https://doi.org/10.1007/978-1-4471-4060-3_2
- [16] Hu, X., & Yang, W. (2010). Planar capacitive sensors - Designs and applications. *Sensor Review*, 30(1), 24–39. <https://doi.org/10.1108/02602281011010772>
- [17] Prihandana, R. (2007). *Bioetanol ubi kayu : bahan bakar masa depan* (M. T. Nixon, Ed.). Agro Media Pustaka.

- [18] Onyekwelu, K. (2019). Ethanol. In *Psychology of Health - Biopsychosocial Approach*. IntechOpen. <https://doi.org/10.5772/intechopen.79861>
- [19] Moreno-Arribas, M. V., & Polo, M. C. (2009). Wine chemistry and biochemistry. In *Wine Chemistry and Biochemistry*. Springer New York. <https://doi.org/10.1007/978-0-387-74118-5>
- [20] Wang, P., Mao, J., Meng, X., Li, X., Liu, Y., & Feng, H. (2014). Changes in flavour characteristics and bacterial diversity during the traditional fermentation of Chinese rice wines from Shaoxing region. *Food Control*, 44, 58–63. <https://doi.org/10.1016/j.foodcont.2014.03.018>
- [21] Belitz, H.-D., Grosch, W., & Schieberle, P. (2009). *Alcoholic Beverages*.
- [22] Nemzer, B., Kalita, D., Yashin, A. Y., & Yashin, Y. I. (2022). Chemical Composition and Polyphenolic Compounds of Red Wines: Their Antioxidant Activities and Effects on Human Health—A Review. In *Beverages* (Vol. 8, Issue 1). MDPI. <https://doi.org/10.3390/beverages8010001>
- [23] Jakabová, S., Fikselová, M., Mendelová, A., Ševčík, M., Jakab, I., Aláčová, Z., Kolačkovská, J., & Ivanova-Petropulos, V. (2021). Chemical composition of white wines produced from different grape varieties and wine regions in Slovakia. *Applied Sciences (Switzerland)*, 11(22). <https://doi.org/10.3390/app112211059>
- [24] Pecić, S., Despotovic, S., Leskosek, I., & Tešović, V. (2011). *The sensory properties of special brandy with Ganoderma lucidum Investigating the chemical characteristic of traditional Serbian spirits and examining the possibility to protect intellectual property of traditional products View project Molecular and phytochemical diversity of Juniperus in the Balkans View project*. <https://www.researchgate.net/publication/282671836>
- [25] Sampaio, O. M., Reche, R. V., & Franco, D. W. (2008). Chemical profile of rums as a function of their origin. The use of chemometric techniques for their identification. *Journal of Agricultural and Food Chemistry*, 56(5), 1661–1668. <https://doi.org/10.1021/jf0726841>
- [26] Krebs, F. C. (2009). Fabrication and processing of polymer solar cells: A review of printing and coating techniques. In *Solar Energy Materials and Solar Cells* (Vol. 93, Issue 4, pp. 394–412). Elsevier. <https://doi.org/10.1016/j.solmat.2008.10.004>

- [27] Krebs, F. C. (2009). Fabrication and processing of polymer solar cells: A review of printing and coating techniques. In *Solar Energy Materials and Solar Cells* (Vol. 93, Issue 4, pp. 394–412). Elsevier. <https://doi.org/10.1016/j.solmat.2008.10.004>
- [28] Sherazi, T. A. (2014). Spray Coating. In *Encyclopedia of Membranes* (pp. 1–2). Springer Berlin Heidelberg. https://doi.org/10.1007/978-3-642-40872-4_552-1
- [29] Schneller, T., Waser, R., Kosec Marija, & Payne, D. (2013). *Chemical Solution Deposition of Functional Oxide Thin Films*.
- [30] Chae, Y., Kathalingam, A., Ambika, N., Kim, M. R., Elanchezhiyan, J., Chae, Y. S., & Rhee, J. K. (2010). Chemical bath deposition and characterization of nanocrystalline ZnO thin films. In *Materials Science-Poland* (Vol. 28, Issue 2). <https://www.researchgate.net/publication/230777305>
- [31] Mugle, D., & Jadhav, G. (2016). Short review on chemical bath deposition of thin film and characterization. *AIP Conference Proceedings*, 1728. <https://doi.org/10.1063/1.4946648>
- [32] Yunita, Y., Nurlina, N., & Syahbanu, I. (2020). Sintesis Nanopartikel Zink Oksida (ZnO) dengan Penambahan Ekstrak Klorofil sebagai Capping Agent. *POSITRON*, 10(2), 44. <https://doi.org/10.26418/positron.v10i2.42136>
- [33] Thomas, M. A., Sun, W. W., & Cui, J. B. (2012). Mechanism of Ag Doping in ZnO Nanowires by Electrodeposition: Experimental and Theoretical Insights. *The Journal of Physical Chemistry C*, 116(10), 6383–6391. <https://doi.org/10.1021/jp2107457>
- [34] Kannan, M. (2018). *Scanning Electron Microscopy: Principle, Components and Applications*.
- [35] Bunaciu, A. A., Udrăștioiu, E. gabriela, & Aboul-Enein, H. Y. (2015). X-Ray Diffraction: Instrumentation and Applications. In *Critical Reviews in Analytical Chemistry* (Vol. 45, Issue 4, pp. 289–299). Taylor and Francis Ltd. <https://doi.org/10.1080/10408347.2014.949616>
- [36] Sayed, M., & Martens, J. (2007). Vector network analyzers. In *Modern RF and Microwave Measurement Techniques* (Vol. 9781107036413, pp. 98–

129). Cambridge University Press.
<https://doi.org/10.1017/CBO9781139567626.006>

- [37] Kaneti, Y. v., Yue, J., Jiang, X., & Yu, A. (2013). Controllable synthesis of ZnO nanoflakes with exposed (1010) for enhanced gas sensing performance. *Journal of Physical Chemistry C*, 117(25), 13153–13162. <https://doi.org/10.1021/jp404329q>
- [38] Peterson, D. M., Beal, E. W., Reader, B. F., Dumond, C., Black, S. M., & Whitson, Bryan. A. (2022). Electrical Impedance as a Noninvasive Metric of Quality in Allografts Undergoing Normothermic Ex Vivo Lung Perfusion. *ASAIO Journal*, 68(7), 964–971. <https://doi.org/10.1097/MAT.0000000000001591>
- [39] Kumar, D., Banerjee, A., Patil, S., & Shukla, A. K. (2015). *A 1 V supercapacitor device with nanostructured graphene oxide/polyaniline composite materials.*