

DAFTAR PUSTAKA

- Astuti, A., (2016), Bab IV Karakterisasi Materiajl, diunduh dari
<http://www.Researchgate.Net>
- Aksaya Kumar, D. K. Rai, S. B. Rai, Spectrochim. Acta A 58 (2002) 2115.
- Babu, P., & Jayasankar, C. K. (2000). *Optical spectroscopy of Eu > ions in lithium borate and lithium # uoroborate glasses.* 279, 262–281.
- Balaji, S., Azeem, P. A., & Reddy, R. R. (2007). *Absorption and emission properties of Eu 3 + ions in Sodium fluoroborate glasses.* 394, 62–68. <https://doi.Org/10.1016/j.Physb.2007.02.009>
- Binnemanns, K. (2015). Interpretation of europium(III) spectra. *Coordination Chemistry Reviews,* 295(Iii), 1–45. <https://doi.Org/10.1016/j.ccr.2015.02.015>
- Bulus, I., Hussin, R., Ghoshal, S. K., Rahman, A., Mohammed, I., & Abdullahi, Y. (2020). Europium-doped boro-telluro-dolomite glasses for red laser applications: Basic insight into spectroscopic traits. *Journal of Non-Crystalline Solids,* 534(September 2019), 119949. <https://doi.Org/10.1016/j.Jnoncrysol.2020.119949>
- Bungala, C. J., & Gopal, K. R. (2011). *Novel Eu3 + doped lead telluroborate glasses for red laser source applications.* August. <https://doi.Org/10.1016/j.Jssc.2011.06.007>
- Chadeyron-Bertrand, G., Boyer, D., Dujardin, C., Mansuy, C., & Mahiou, R. (2005). Structural and scintillation properties of spray coated lutetium borate films doped with Ce³⁺ and Eu³⁺. *Nuclear Instruments and Methods in Physics Research, Section B: Beam Interactions with Materials and Atoms,* 229(2), 232–239. <https://doi.Org/10.1016/j.Nimb.2004.11.029>
- Culea, E., & Bratu, I. (2000). Structural and magnetic behaviour of some borate glasses containing dysprosium ions. *Journal of Non-Crystalline Solids,* 262(1), 287–290. [https://doi.Org/10.1016/S0022-3093\(99\)00709-7](https://doi.Org/10.1016/S0022-3093(99)00709-7)
- Culea, M. (n. D.). *Structure of TeO₂ · B₂O₃ glasses inferred from infrared spectroscopy and DFT calculations.* 2–7. <https://doi.Org/10.1016/j.Jnoncrysol.2008.09.009>
- G. Ehrhart, M. BouaZaoui, B. Capoen, V. Ferreira, R. Mahiou, O. Robbe, S. Turrell, Opt. Mater. 29 (2007) 1723.

- Ivankov, A., Seekamp, J., & Bauhofer, W. (2001). *Optical properties of zinc borate glasses*. June, 209–213.
- Jiang, S., Wei, X., Chen, Z., Chen, Y., & Yin, M. (2013). Analysis of the luminescent spectra of Eu³⁺ in glasses. *Journal of Luminescence*, 143, 5–9. <https://doi.org/10.1016/j.jlumin.2013.04.028>
- J. A. Capobianco, P. P. Proulx, M. Bettinelli, F. Negrisolo, Phys. Rev. B 42 (1990) 5936.
- Kiran, N. (2014). Eu 3 + ion doped sodium – lead borophosphate glasses for red light emission. *JOURNAL OF MOLECULAR STRUCTURE*, 1065–1066, 93–98. <https://doi.org/10.1016/j.molstruc.2014.02.047>
- Linganna, K., & Jayasankar, C. K. (2012). Spectrochimica Acta Part A : Molecular and Biomolecular Spectroscopy Optical properties of Eu 3 + ions in phosphate glasses. *SPECTROCHIMICA ACTA PART A: MOLECULAR AND BIOMOLECULAR SPECTROSCOPY*, 97, 788–797. <https://doi.org/10.1016/j.saa.2012.07.031>
- Maheshvaran, K., & Marimuthu, K. (2012). Concentration dependent Eu 3 doped boro-tellurite glasses - Structural and optical investigations. *Journal of Luminescence*, 132(9), 2259–2267. <https://doi.org/10.1016/j.jlumin.2012.04.022>
- Nageswara Raju, C., Sailaja, S., Hemasundara Raju, S., Dhoble, S. J., Rambabu, U., Jho, Y. D., & Sudhakar Reddy, S. (2014). Emission analysis of CdO-Bi₂O₃-B₂O₃ glasses doped with Eu³⁺ and Tb³⁺. *Ceramics International*, 40(6), 7701–7709. <https://doi.org/10.1016/j.ceramint.2013.12.111>
- P. Babu, C. K. Jayasankar, Phys. B 279 (2000) 262.
- S. Surendra Babu, Kiwan Jang, Eun Jin Cho, Hoseop Lee, C. K. Jayasankar, J. Phys. D: Appl. Phys. 40 (2007) 5767.
- S. Todoroki, K. Hirao, N. Soga, J. Non-Cryst. Solids 143 (1992) 46.
- Thomas, R. L., Nampoori, V. P. N., Radhakrishnan, P., & Thomas, S. (2013). Laser induced fluorescence in europium doped zinc tellurite glasses. *Optik - International Journal for Light and Electron Optics*, 8–10. <https://doi.org/10.1016/j.ijleo.2013.04.008>
- Venkatramu, V., Babu, P., & Jayasankar, C. K. (2006). Fluorescence properties of Eu³⁺ ions doped borate and fluoroborate glasses containing lithium, zinc and lead. *Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy*, 63(2), 276–281. <https://doi.org/10.1016/j.saa.2005.05.010>

- Venkatramu, V., Navarro-Urrios, D., Babu, P., Jayasankar, C. K., & Lavín, V. (2005). Fluorescence line narrowing spectral studies of Eu³⁺-doped lead borate glass. *Journal of Non-Crystalline Solids*, 351(10–11), 929–935. <https://doi.org/10.1016/j.jnoncrysol.2005.02.010>
- Vijayakumar, R., Maheshvaran, K., Sudarsan, V., & Marimuthu, K. (2014). Concentration dependent luminescence studies on Eu 3 β doped telluro fl uoroborate glasses. *Journal of Luminescence*, 154, 160–167. <https://doi.org/10.1016/j.jlumin.2014.04.022>
- W. A. Pisarski, J. Pisarska, M. Maczka, W. Ryba–Romanowski, J. Mol. Struct. 792–793 (2006) 207.
- Wada, N., & Kojima, K. (2007). Glass composition dependence of Eu³⁺ ion red fluorescence. *Journal of Luminescence*, 126(1), 53–62. <https://doi.org/10.1016/j.jlumin.2006.05.002>
- Wagh, A., Raviprakash, Y., & Kamath, S. D. (2017). Gamma rays interactions with Eu₂O₃doped lead fluoroborate glasses. *Journal of Alloys and*
- Yang, Y., Chen, B., Wang, C., Zhong, H., Cheng, L., Sun, J., Peng, Y., & Zhang, X. (2008). Investigation on structure and optical properties of Er³⁺, Eu³⁺ single-doped Na₂O-ZnO-B₂O₃-TeO₂ glasses. *Optical Materials*, 31(2), 445–450. <https://doi.org/10.1016/j.optmat.2008.06.014>
- Zhang, C. C., Gao, X., & Yilmaz, B. (2020). Development of ftir spectroscopy methodology for characterization of boron species in fcc catalysts. *Catalysts*, 10(11), 1–11. <https://doi.org/10.3390/catal10111327>