

## DAFTAR PUSTAKA

- Beiser, A. 1992. *Konsep Fisika Modern Edisi keEmpat*. Jakarta: Erlangga.
- Callister, W. D. & Rethwisch, D. G. 2014. *Materials Science and Engineering*, 9thED. USA.
- Ciceron, B. 2011, *Structural and Electrical Properties of BNT-BT0.08 Ceramics Processed by Spark Plasma Sintering*. World Academy of Science. Engineering and Technology.
- Dahiya, R. S., and Valle, M. (2013). *Fundamental of Piezoelectricity*. Springer Science+Business Media Dordrecht. DOI 10.1007/978-94-007-0579-1.
- Delfia, U. dkk. 2014. *Pengaruh Penambahan SrTiO<sub>3</sub> Pada Struktur dan Sifat Listrik Bahan Piezoelektrik BNT-BT*. Jurnal Fisika Unand Vol. 3(1).
- Ghane, M., Sadeghi, B., & Jafari, A., 2010, *Synthesis and Characterization of a Bi-Oxide Nanoparticle ZnO/CuO by Thermal Decomposition of Oxalate Precursor Method*. International Journal of Nano Dimension., Vol. 1, No. 1, pp. 33–40, ISSN 2008-8868.
- Goldstein, J. I. dkk. 2003. *Scanning Electron Microscopy and X-Ray Microanalysis 3rd Edition*. New York: Plenum Publisher.
- Grant, N. M. 1998. *X-Ray Diffraction: A Partical Approach*. New York: Plenum Press.
- Jafee, B. & Cook, W.R. 1971. *Piezoelectric Ceramics*, 1st Ed. London: Academic Press.
- Jiang, Z., Wang, P., Xing, J., Jiang, X., & Zhao, J. (2018). Screening and Design of Novel 2D Ferromagnetic Material with High Curie Temperature above Room Temperature. *ACS Apply Matter Interfaces*, 10(45): 39032-39039.
- Kittle, C. 1996. *Introduction to Solid State Physic*. USA, p. 443-446.

- Krisdianto, A. N. 2011. Studi Karakterisasi Energi Yang Dihasilkan Mekanisme *Vibration Energy Harvesting* Dengan Metode Piezoelektrik Untuk Pembebanan Frontal dan Lateral. *Skripsi*. Puwokerto: Universitas Jenderal Soedirman.
- Lvovich, V. F. 2012. *Impedance Spectroscopy: Applications to Electrochemical and Dielectric Phenomena*. USA: Willey.
- Mardiyanto. 2012. *Struktur mikro Bahan Piezoelektrik Bebas Timbal Bismuth Natrium Titanat-Barium Titanat-Kalium Natrium Niobate Hasil Sintesis Dengan Metode Reaksi Padat*. Indonesian Journal of Materials Science Vol.13(2), pp 120-124. PTBIN-BATAN. Tangerang.
- Mawardi, M., Deyundha, D., & Zainul R. 2018. Characterization of PCC Cement by Addition of Napa Soil from Subdistrict Sarilamak 50 Kota District as Alternative Additional Material for Semen Padang. *IOP Conf. Series: Materials Science and Engineering* 335.
- Muslimin. 2009. Sintesis Nanosized CuO/ZnO dan Pemanfaatannya Sebagai Sumber Energi Alternatif Solar Cell. *Skripsi*. Semarang: Universitas Negeri Semarang.
- Parija, B. 2014. *Structure, microstructure and dielectric properties of  $100 - x(\text{Bi}_{0.5}\text{Na}_{0.5})\text{TiO}_3 - x[\text{SrTiO}_3]$  composites ceramics*. Journal of Applied Physics A Material Science and Processing.
- Ramlan. 2001. Pengaruh MgO dan Suhu Sintering terhadap Mikrostruktur dan Sifat Fisik Keramik Beta Alumina ( $\beta$ -Alumina). *Tesis*. Depok: Universitas Indonesia.
- Reed, S. J. B. 1993. *Electron Microprobe Analysis and Scanning Electron Microscopy in Geology*. Florida: Cambridge University Press.
- Rini, N. P. 2019. Pembuatan Piezoelektrik  $\text{Bi}_{0,5}\text{Na}_{0,5}\text{TiO}_3\text{-SrTiO}_3$  Doping  $\text{Fe}_2\text{O}_3$  Dengan Metode Solid State Reaction Dan Karakterisasinya. *Skripsi*. Purwokerto: Universitas Jenderal Soedirman.

- Sharma, H. S. S., McCall, D., & Kernaghan, K. 1999. *Scanning Electron Microscopy, X-Ray Microanalysis and Thermogravimetric Assessment of Linen Fabrics Treated with Crease-Resisting Compound*. Journal of Applied Polymer Science Vol. 72, p. 1209-1219.
- Setiabudi, A. 2012. *Karakterisasi Material: Prinsip dan Aplikasinya dalam Penelitian Kimia*. Bandung: UPI Press.
- Setyanto, T. A. 2005. *Piezoelectric pad sensor for dynamic load measurement*. Bulletin Of The graduate school of engineering. Hiroshima University Vol. 9(1).
- Sharp, J. 1972. *Method of Comparing Solid-state Kinetic Data and Its Application to the Decomposition of Kaolinite Brucite and BaCO<sub>3</sub>*. Journal of The American Ceramic Society Vol. 55(2).
- Shona, R. M. 2008. *Fabrication and Properties of Bi<sub>0,5</sub>Na<sub>0,5</sub> TiO<sub>3</sub> Based Ferroelectric Ceramics with Low Levels of B-site Additives, A Thesis of Doctor of Philosophy*. Canada: Queen's University Kingston.
- Sobirin, M. 2016. *Pengaruh Lama Pergerusan terhadap Konstanta Dielektrik, Kekerasan, dan Mikrostruktur Keramik Oksida SiO<sub>2</sub>-MgO*. Skripsi. Semarang: Universitas Negeri Semarang.
- Stewart, M., & Cain, M. G., 1999. *Ferroelectric Hysteresis Measurement and Analysis*. Manchester: University of Manchester.
- Susanto, T., & Rahmانيar. 2020. *Pengaruh Komposisi Bahan Pengisi Kaolin Dan Karbon Hitam Terhadap Sifat Fisik, Kekuatan Tarik, Dan Ketahanan Usang Pada Vulkanisat Karet Alam*. Jurnal Dinamika Penelitian Industri Vol. 31(1), pp 01-07. Balai Riset dan Standardisasi Industri Palembang. Palembang.
- Takenaka. 1991. *(Bi<sub>1/2</sub>Na<sub>1/2</sub>) TiO<sub>3</sub>-BaTiO<sub>3</sub> System for Lead-Free Piezoelectric Ceramics*. Jpn. J. Appl. Phys. Pt. 30(1), pp. 2236-2239.

- Triwahyuni, D. 2008. Sintesis dan Karakterisasi Bahan Piezoelektrik  $\text{Bi}_{0,5}\text{Na}_{0,5}\text{TiO}_3$  (BNT) dengan Metoda *Molten Salt*. Tesis. Padang : Universitas Andalas.
- Utami, A. 2007. Studi Efek Fotovoltaik Bahan  $\text{Ba}_{0,5}\text{Sr}_{0,5}\text{TiO}_3$  yang Didadah Tantalum (BSTT) di Atas Substrat Si (100) Tipe-p. *Skripsi*. Bogor: Institut Pertanian Bogor.
- Werner , K. 2009. *Piezoelectric properties and phase transition temperatures of the solid solution of  $(1-x)(\text{Bi}_{0.5}\text{Na}_{0.5})\text{TiO}_3-x\text{SrTiO}_3$* . Graz University of Technology. Christian Doppler Laboratory for Advance Ferroic Oxides. Stremayrgasse 16, 8010 Graz. Austria.
- Widyawati, N. 2012. Analisa Pengaruh Heating Rate terhadap tingkat Kristal dan Ukuran Butir Lapisan BZT yang Ditumbuhkan dengan Metode Sol Gel. *Skripsi*. Surakarta: Universitas Sebelas Maret.
- Zamiri, R., Ahangar, H.,A., Kaushal, A., Zakaria, A., Zamiri, G., and Tobaldi, D. (2015). Dielectrical Properties of  $\text{CeO}_2$  Nanoparticles at Different Temperatures. *PLoS ONE* 10(4):e0122989. doi:10.1371/journal.pone.0122989
- Zuo, R., Ye, C., & Fang, X., 2007, *Dielectric and Piezoelectric Properties of Lead Free  $\text{Na}_{0.5}\text{K}_{0.5}\text{NbO}_3\text{-BiScO}_3$  Ceramics*. *J. Journal of Appl. Phys.*, Vol. 46, No. 10A , pp. 6733–6736, ISSN 0021-4922.