

## DAFTAR PUSTAKA

- Abdullah, M., dan Khairurrijal. 2009. Riview: Karakterisasi Nanomaterial. *Jurnal Nanosains & Nanoteknologi*. Vol. 2 No.1.
- AISI-SAE Classifications of Steel Base Metals Code.  
<http://www.blueshield.ca/en/docs/pdf/techInfo/DataBook/E-Fsection218to228.pdf>. Diakses pada 19 Juli 2019.
- Allaby, M. ed. 2008. *Oxford Dictionary of Earth Science*. Ed. ke-3. New York: Oxford University Press.
- Amanto, H., dan Daryanto. 1999. *Ilmu Bahan*. Jakarta: PT Bumi Aksara.
- American Society for Metals Handbook Committee. 1990. *Properties and Selection: Irons, Steels, and High-Performace Alloys*. Volume 1. ASM International.
- Artrisanti, L. 2018. Pembentukan ZrO<sub>2</sub> melalui Proses Dekomposisi Alkali NaOH dan Pelindian HNO<sub>3</sub>. *Skripsi*. Program Sarjana Teknik Metalurgi Universitas Sultan Ageng Tirtayasa. Banten.
- Bai, B. C., dkk. 2015. Thermal Properties of Asphalt Mixtures Modified with Conductive Fillers. *Journal of Nanomaterials*. Hindawi Publishing Corporation.
- Baig, M. N., dkk. 2013. Properties and residual stress distribution of plasma sprayed magnesia stabilized zirconia thermal barrier coatings. *Ceramic International*. Vol. 40, pp. 4853-4868.
- Barsoum, M. W. 2003. *Fundamentals of Ceramic*. London: IOP Publishing Ltd.
- Beyer, G. H., Spink, D. R., dan West, J. B. 1954. Caustic treatment of zircon sand. Ames Laboratory. [http://lib.dr.iastate.edu/ameslab\\_iscreports/66](http://lib.dr.iastate.edu/ameslab_iscreports/66). Diakses pada 21 Maret 2019.
- Billotte, C., Fotsing, E. R., dan Ruiz, E. 2017. Optimization of Alumina Slurry for Oxide-Oxide Ceramic Composites Manufactured by Injection Molding. *Advances in Material Science and Engineering*. Hindawi Publishing Corporation.

- Binudi, R., dan Adjiantoro, B. 2014. Pengaruh Unsur Ni, Cr, dan Mn terhadap Sifat Mekanik Baja Kekuatan Tinggi Berbasis Laterit. *Majalah Metalurgi*. Vol. 29 No.1: 33-40. Pusat Penelitian Metalurgi dan Material – Lembaga Ilmu Pengetahuan Indonesia.
- Bittmann, B., Hauptert, F., dan Schlarb, A. K. 2009. Ultrasonic dispersion of inorganic nanoparticles in epoxy resin. *Ultrasonics Sonochemistry*. Vol. 16: 622-628.
- Bolton, W. 1993. *Engineering Materials Technology*. Ed. ke-2. Oxford: Butterworth-Heinemann.
- Brouwer, P. 2010. *Theory of XRF: Getting acquainted with the principles*. Ed. ke-3. The Netherlands: PANalytical BV.
- da Silva, R. J., Dutra, A. J., dan Alfonso, J. C. 2012. Alkali fusion followed by a two-step leaching of a Brazilian zircon concentrate. *Hydrometallurgy*, 117-118, pp.99-100.
- Eddy, H. R. 2007. Potensi Pasir Zirkon di Provinsi Kalimantan Barat dan Kalimantan Tengah. *Buletin Sumber Daya Geologi*.  
<http://buletinsdg.geologi.esdm.go.id/>. Diakses pada 18 Maret 2019.
- Elsner, H. 2013. DERA Rohstoffinformationen. Deutsche Rohstoffagentur.  
<https://www.zircon-association.org/>. Diakses pada 16 Maret 2019.
- Gurusamy, S., dan Akira, K. 2005. Effect of Processing Parameters on Microstructure and Mechanical Properties of Zirconia/Alumina Composite Coatings by Gas Tunnel Type Plasma Spraying. *Transactions of JWRI*. Vol. 34 No.1. Joining and Welding Research Institute.
- Hermana, G. N., dan Widyastuti. 2013. Pengaruh Komposisi Cu dan Variasi Tekanan Kompaksi terhadap Densitas dan Kekerasan pada Komposit W-Cu untuk Proyektil Peluru dengan Proses Metalurgi Serbuk. *Jurnal Teknik Pomits*. Vol. 2 No.1. Jurusan Teknik Material dan Metalurgi. ITS. Surabaya.
- Jorge, E., Chartier, T., dan Boch, P. 1990. Ultrasonic Dispersion of Ceramic Powders. *Journal of The American Ceramic Society*. Vol. 73 No.8: 2552-2554.

- Karthikeyan, J. Ceramic coating technology. Indian Academy of Sciences.  
<https://www.ias.ac.in/article/fulltext/sadh/013/01-02/0139-0156>. Diakses pada 28 Maret 2019.
- Khurmi, R.S., dan Gupta, J. A. 2015. *A Textbook of Machine Design*. New Delhi: Eurasia Publishing House Ltd.
- Lestari, F. P., dkk. 2018. Fabrikasi Paduan Magnesium Berpori dengan Partikel Garam NaCl sebagai Space Holder. *Majalah Metalurgi*. Vol. 33 No.3: 125-134. Pusat Penelitian Metalurgi dan Material – Lembaga Ilmu Pengetahuan Indonesia.
- Lide, D. R. ed. 2005. *CRC Handbook of Chemistry and Physics*. CRC Press.  
<http://diyhpl.us/~nmz787/mems/unorganized/CRC%20Handbook%20of%20Chemistry%20and%20Physics%2085th%20edition.pdf>. Diakses pada 18 Maret 2019.
- Liu, J., dkk. 2015. Controlling the formation of Na<sub>2</sub>ZrSiO<sub>5</sub> in alkali fusion process for zirconium oxychloride production. *Advanced Powder Technology*. Vol.27: 1-8.
- Liu, R., dkk. 2013. Analysis of water leaching and transition processes in zirconium oxychloride octahydrate production. *Ceramics International*. Vol.40: 1431-1328.
- Lubbe, S., Munsami, R., dan Fourie, D. 2012. Beneficiation of Zircon Sand in South Africa. *The Journal of The Southern African Institute of Mining and Metallurgy*. Vol. 7A: 583-588.
- Martides, E., dkk. 2018. Pengaruh Proses Perlakuan Panas terhadap Nilai Kekerasan Metal Matrix Composite Coating pada Substrat SS316 untuk Aplikasi Pipa Boiler. *Majalah Metalurgi*. Vol. 33 No.3: 101-108. Pusat Penelitian Metalurgi dan Material – Lembaga Ilmu Pengetahuan Indonesia.
- McKeen, L. W. 2016. Application of Liquid Coatings dalam *Fluorinated Coatings and Finishes Handbook*. Ed. ke-2. Oxford: Elsevier Inc.
- Mogorosi, M. P. 2013. The Optimization and Calibration of Spark-Optical Emission Spectroscopy for The Analysis of Trace Impurities in Ultra-Pure

- PT, PD, and RH. *Disertasi*. Faculty of Science. University of The Witwatersrand. Johannesburg.
- Muller, D. 2016. Densification of zirconia-based anti-corrosion coatings for application in waste-to-energy plants. *Disertasi*. LMU Munich. Munich.
- Nguyen, M. D., dkk. 2018. Slurry spray coating of carbon steel for use for use in oxidizing and humid environments. *Ceramics International*.
- Nguyen, P., Harding, S., dan Ho, S. Y. 2007. Experimental Studies on Slurry Based Thermal Barrier Coatings. *5<sup>th</sup> Australasian Congress on Applied Mechanics*. 10-12 Desember 2007.
- Nguyen, P., Ho, S. Y., dan Kotousov, A. 2013. Slurry spray technique for manufacturing thermal barrier coatings. *Surface Innovations*. Vol. 1 No. 3: 190-199. ICE Publishing.
- Oldani, V., dkk. 2015. Surface properties and anti-fouling assessment of coatings obtained from perfluoropolyethers and ceramic oxides nanopowders deposited on stainless steel. *Journal of Fluorine Chemistry*. Vol. 180: 7-14.
- Pirkle, F. L., dan Podmeyer, D. A. 1998. Zircon: Origin and Uses. [http://usfcam.usf.edu/CAM/exhibitions/1998\\_12\\_McCollum/supplemental\\_didactics/62.Zircon.pdf](http://usfcam.usf.edu/CAM/exhibitions/1998_12_McCollum/supplemental_didactics/62.Zircon.pdf). Diakses pada 15 Maret 2019.
- Ruder, A., dkk. 1992. Wet powder spraying – a process for the production of coatings. *Surface and Coatings Technology*. Vol. 53: 71-74.
- Ruwaida, A. F., Widyastuti, dan Rochiem, R. 2010. Sintesis MMCs Cu-Al<sub>2</sub>O<sub>3</sub> Melalui Proses Metalurgi Serbuk dengan Variasi Fraksi Volum Al<sub>2</sub>O<sub>3</sub> dan Temperatur Sintering. *Jurnal Laporan*. Jurusan Teknik Material dan Metalurgi. ITS. Surabaya.
- Sajima. 2017. Pelindian Leburan Pasir Zirkon Kalimantan Menggunakan Air Panas Bench Scale. *Jurnal Forum Nuklir (JFN)*. Vol. 11 No.1.
- Setiabudi, A., Hardian, R., dan Muzakir, A. 2012. *Karakterisasi Material: Prinsip dan Aplikasinya dalam Penelitian Kimia*. Bandung: UPI Press.
- Sridhar, S., dkk. 2011. Materials Challenges for Advanced Combustion and Gasification Fossil Energy Systems. *Metallurgical and Materials Transactions*. Vol. 42A: 871-877.

- Srinivasulu dan Vidyavathi, M. 2016. Advanced Ceramic Coatings on Stainless Steel: A Review of Research, Methods, Materials, Applications and Opportunities. *International Journal of Advanced Engineering Technology*. Vol. 7 No. 3: 126-141.
- Sulistiyono, E. 2012. Pembuatan Nano Magnesium Karbonat Hasil Ekstraksi Mineral Dolomit dengan Gelombang Ultrasonik. *Tesis*. Universitas Indonesia. Jakarta.
- Sulistiyono, E., dan Sajuti, D. 1996. Pemurnian Zirkon untuk Bahan Dasar Refraktori Berbasis Zirkonia. *Prosiding Pertemuan Ilmiah Sains Materi. Pusat Penelitian dan Pengembangan Metalurgi-LIPI*: 41-49.
- Surdia, T., dan Saito, S. 1999. Pengetahuan Bahan Teknik. Jakarta: Pradnya Paramita.
- Szymanski, K., dkk. 2015. Thermally sprayed coatings resistant to erosion and corrosion for power plant boilers - A review. *Surface & Coatings Technology*. Vol. 268: 153-164.
- Tingley, D. D., dan Serrenho, A. C. 2015. Technical handbook on zirconium and zirconium compounds. Zircon Industry Association (ZIA). [https://www.zircon-association.org/assets/files/KnowledgeBank/IM\\_140402\\_webnotes.pdf](https://www.zircon-association.org/assets/files/KnowledgeBank/IM_140402_webnotes.pdf) . Diakses pada 14 Maret 2019.
- Ulaeto, S. B., dkk. 2017. Developments in smart anticorrosive coatings with multifunctional characteristics. *Progress in Organic Coatings*. Vol. 111: 294-314.
- Verma, R., Suri, N. M., dan Kant, S. 2016. Effect of Parameters on Adhesion Strength for Slurry Spray Coating Technique. *Materials and Manufacturing Processes*. <http://dx.doi.org/10.1080/10426914.2016.1221090>. Diakses pada 19 Mei 2019.
- Waluyo, T. B., Suryadi, dan Rochman, N. T. 2013. Pembuatan Partikel Nano Fe<sub>2</sub>O<sub>3</sub> dengan Kombinasi Ball-Milling dan Ultrasonic-Milling. *Prosiding Pertemuan Ilmiah XXVII HFI Jateng & DIY*. 23 Maret 2013. *Pusat Penelitian Fisika – LIPI*: 48-51.

- Wang, J., dkk. 2017. Development and application of anti-fouling ceramic coating for high-sodium coal-fired boilers. *Journal of the Energy Institute*.  
<http://dx.doi.org/10.1016/j.joei.2017.08.003>. Diakses pada 15 Januari 2019.
- Watt, S. 2008. Zirconium (The Elements). <https://books.google.co.id/>. Diakses pada 23 Maret 2019.
- Xiao, K., dkk. 2018. Effect of sintering temperature on the microstructure and performance of a ceramic coating obtained by the slurry method. *Ceramics International*. <https://doi.org/10.1016/j.ceramint.2018.03.147>. Diakses pada 17 Mei 2019.
- Yamagata, C., dkk. 2008. High Purity Zirconia and Silica Powders via Wet Process: Alkali Fusion of Zircon Sand.  
<https://www.ipen.br/biblioteca/2008/14565.pdf>. Diakses pada 20 Maret 2019.