

DAFTAR PUSTAKA

- A. Tjahjono. (2013). *fisika logam & alloy*. UIN Jakarta Press.
- Alavi, B., Aghajani, H. & Rasooli, A. (2019). Electrophoretic deposition of electroless nickel coated YSZ core-shell nanoparticles on a nickel based superalloy. *Journal of the European Ceramic Society*, 39(7), 2526–2534. <https://doi.org/10.1016/j.jeurceramsoc.2019.01.028>
- Aruna, S. T. & Rajam, K. S. (2008). A study on the electrophoretic deposition of 8YSZ coating using mixture of acetone and ethanol solvents. *111*, 131–136.
<https://doi.org/10.1016/j.matchemphys.2008.03.035>
- Bai, M., Guo, F. & Xiao, P. (2014). Fabrication of thick YSZ thermal barrier coatings using electrophoretic deposition. *Ceramics International*, 40(PB), 16611–16616.
<https://doi.org/10.1016/j.ceramint.2014.08.021>
- Besra, L. & Liu, M. (2007). A review on fundamentals and applications of electrophoretic deposition (EPD). *Progress in Materials Science*, 52(1), 1–61. <https://doi.org/10.1016/j.pmatsci.2006.07.001>
- Desiati, R. D., Anawati, A. & Sugiarti, E. (2022). Two-Step Sintering Improved Compaction of Electrophoretic-Deposited YSZ Coatings. *Journal of Materials Engineering and Performance*, 31(12), 9888–9899. <https://doi.org/10.1007/s11665-022-07004-y>

Fisika, I. & Yang, F. (2011). *Sebuah tesis diajukan ke The University of Manchester untuk gelar.*

Galetz, M. C. (2015). Coatings for Superalloys. *Superalloys.*

<https://doi.org/10.5772/61141>

Ghosh, S. (2015). Thermal Barrier Ceramic Coatings — A Review.

Advanced Ceramic Processing. <https://doi.org/10.5772/61346>

Guo, F., Javed, A. & Xiao, P. (2015). Surface & Coatings Technology

Microstructure , oxidation behaviour and mechanical properties of Fe

2 O 3 doped yttria-partially-stabilized zirconia coatings produced on

metallic substrates by electrophoretic deposition. *Surface & Coatings*

Technology, 264, 17–22.

<https://doi.org/10.1016/j.surfcoat.2015.01.033>

Guo, F. & Xiao, P. (2012). Effect of Fe 2 O 3 doping on sintering of yttria-

stabilized zirconia. *Journal of the European Ceramic Society, 32(16),*

4157–4164. <https://doi.org/10.1016/j.jeurceramsoc.2012.07.035>

Kane, S. N., Mishra, A. & Dutta, A. K. (2016). Preface: International

Conference on Recent Trends in Physics (ICRTP 2016). *Journal of*

Physics: Conference Series, 755(1). <https://doi.org/10.1088/1742-6596/755/1/011001>

Khanali, O., Ariaee, S. & Rajabi, M. (2017). *An investigation on the*

properties of YSZ / Al 2 O 3 nanocomposite coatings on Inconel by

electrophoretic deposition.

<https://doi.org/10.1177/0021998317702438>

Khezrloo, A. & Baghshahi, S. (2022). Sintering and Thermal Shock Behavior of Yttria-Stabilized Zirconia Coating Deposited by Electrophoretic Method On Inconel 738LC Superalloy. *Transactions of the Indian Institute of Metals*, 75(10), 2617–2627.

<https://doi.org/10.1007/s12666-022-02626-1>

Maleki-Ghaleh, H., Rekabeslami, M., Shakeri, M. S., Siadati, M. H., Javidi, M., Talebian, S. H. & Aghajani, H. (2013). Nano-structured yttria-stabilized zirconia coating by electrophoretic deposition. *Applied Surface Science*, 280, 666–672.

<https://doi.org/10.1016/j.apsusc.2013.04.173>

Markforged. (2019). Material Datasheet Inconel 625. 2472.

<https://static.markforged.com/downloads/Inconel-625.pdf>

Meng, X., Kwon, T. Y., Yang, Y., Ong, J. L. & Kim, K. H. (2006). Effects of applied voltages on hydroxyapatite coating of titanium by electrophoretic deposition. *Journal of Biomedical Materials Research - Part B Applied Biomaterials*, 78(2), 373–377.

<https://doi.org/10.1002/jbm.b.30497>

Mondal, K., Nuñez, L., Downey, C. M. & Van Rooyen, I. J. (2021). Thermal barrier coatings overview: Design, manufacturing, and applications in

- high-temperature industries. *Industrial and Engineering Chemistry Research*, 60(17), 6061–6077.
<https://doi.org/10.1021/acs.iecr.1c00788>
- Nowotnik, A. (2016). *Nickel based superalloy*.
- Pengkuhan, O., Riset, P., Metalurgi, B. & Material, D. A. N. (2021). *Desain paduan logam untuk komponen turbin pembangkit listrik*.
- Pouya Amrollahi, et al. (2015). Electrophoretic Deposition (EPD): Fundamentals and Applications from Nano-to Micro-Scale Structures. *Handbook of Nanoelectrochemistry*, June.
<https://doi.org/10.1007/978-3-319-15207-3>
- Sabioni, A. C. S., Huntz, A. M., Silva, F. & Jomard, F. (2005). Diffusion of iron in Cr₂O₃: Polycrystals and thin films. *Materials Science and Engineering: A*, 392(1–2), 254–261.
<https://doi.org/10.1016/j.msea.2004.09.033>
- Tarasi, F., Medraj, M., Dolatabadi, A., Oberste-Berghaus, J. & Moreau, C. (2011). Amorphous and crystalline phase formation during suspension plasma spraying of the alumina-zirconia composite. *Journal of the European Ceramic Society*, 31(15), 2903–2913.
<https://doi.org/10.1016/j.jeurceramsoc.2011.06.008>
- Thakare, J. G., Pandey, C., Mahapatra, M. M. & Mulik, R. S. (2021). Thermal Barrier Coatings—A State of the Art Review. *Metals and*

Materials International, 27(7), 1947–1968.

<https://doi.org/10.1007/s12540-020-00705-w>

A.P.Wiki “Flow curve and yield point determination with rotational viscometri”. <Https://Wikianton-paar.com/en/flow-curve-and-yield-point-determination-with-rotational-viscometri/> (accessed April. 02, 2024)

Al-Bashir, A. et al. (2009). Evaluating the effects of high velocity oxy-fuel (HVOF) proces parameters on wear resistance of steel-shaft materials. Jordan journal of mechanical and industrial engineering. Vol.3, No.2

Davis, J. (2004). Handbook of Thermal Spray Technology. ASM International. www.asminternational.org

Filho, P. et al. (2010). Brinell and Vickers Hardness Measurement Using Image Processing and Analysis Techniques. Journal of Testing and Evaluation. Doi: 10.1520/JTE102220.

Kumar, A., Sharma, A., & Goel, S. K. (2016). Erosion behaviour of WC–10Co–4Cr coating on 23-8-N nitronic steel by HVOF thermal spraying. Applied Surface Science, 370, 418–426.

<https://doi.org/10.1016/j.apsusc.2016.02.163>

Orasugh, J. et al. (2020). Nanofiber-Reinforced Biocomposites. Fiber-

Reinforced Nanocomposites Fundamentals and Applications.

<https://doi.org/10.1016/B978-0-12-819904-6.00010-4>.

Petit, P. (2006). Effect of Porosity on the Mechanical Properties of Zirconia

Based Ceramics Obtained Via 3D Printing. Universitat Politecnica de

Catalunya (UPC)

Sutharsini, U. (2018). Two-step sintering of ceramics. Sintering of functional

materials. [Http://dx.doi.org/10.5772/68083](http://dx.doi.org/10.5772/68083)

Sartono, A.A., (2006). Difraksi Sinar-X (XRD). Tugas Akhir Mata Kuliah

Proyek Laboratorium. Departemen Fisika Fakultas Matematika dan

Ilmu Pengetahuan Alam Universitas Indonesia.

[http://ww.doitpoms.ac.uk/tplib/xray-diffraction/singlecrystal.php](http://www.doitpoms.ac.uk/tplib/xray-diffraction/singlecrystal.php)

(accessed April. 02, 2024)

Waldi, M. et al. (2023). Kajian Thermal Spray Coating dengan Teknologi

High Velocity Oxy-Fuel (HVOF) serta Perlakuan Pasca Prosesnya

Sebagai Pelindung Boiler Tubes Pembangkit Listrik Tenaga Uap.

Jurnal Penelitian Inovatif (JUPIN). Vol.3, No.1.

<https://doi.org/10.54082/jupin.124>