

DAFTAR PUSTAKA

- Afriandi, A., & Hantoro, R. (2018). Analisis Pemanfaatan Geothermal Brine Untuk Pembangkit Listrik dengan Heat Exchanger. *Jurnal Teknik ITS* 7, 1–7.
- Amalia, A. N. (2018). *Analisis Pengaruh Perlakuan Panas Hardening dengan Variasi Temperatur Pemanasan, Waktu Tahan dan Media Pendingin pada Peningkatan Kekerasan Baja AISI 1045 Pada Komponen Axle Shaft*.
- Anand, L., Kamrin, K., & Govindjee, S. (2022). *Introduction of Mechanics of Solid Material*.
- ASM Handbook: Vol. 4 : Heat Treating. (1993). ASM International.
- Avner, S. H. (1974). *Introduction to Physical Metallurgy*. Singapore : McGraw-Hill Book Co.
- Azhar, M., & Adam Satriawan, D. (2018). Implementasi Kebijakan Energi Baru dan Energi Terbarukan Dalam Rangka Ketahanan Energi Nasional. In *Online Administrative Law & Governance Journal* (Vol. 1).
- Bhadeshia, H., & Honeycombe, R. (2017). *Steels Microstructure and Properties* (Fourth).
- Bhaduri, A. (2018). Mechanical Properties and Working of Metals and Alloys. In *Springer Series in Materials Science* (Vol. 264, pp. 119–171). Springer Verlag. https://doi.org/10.1007/978-981-10-7209-3_3
- Bramfitt, B. L. (1998). *Structure/ Property Relationship in Irons and Steels*. . Www.Asminternational.Org.
- Bramfitt, B.L., Benschoter, & A.O. (2001). Metallographer's guide : practice and procedures for iron and steels. *ASM International*.
- Callister, W. D., & Rethwisch, D. G. (2018). *Material Science and Engineering* (10th ed.).
- Callister, W. D., & Rethwisch, D. G. (2020). *Material Science and Engineering* (10th ed.).
- Callister, W., & Rethwisch, D. (2020). *Material Science and Engineering : An*

Introduction (9th ed.).

Campbell, F. C. (2008). *Elements of Metallurgy and Engineering*. New York : ASM International. .

Di Pippo, R. (2016). Geothermal power plants : Principles, Application, Case studies and Environmental impact . *Butterworth-Heinemann*.

Egerton, R. F. (2016). *Physical Principles of Electron Microscopy* (2nd ed.).

El Fandari, A., Daryanto, A., & Suprayitno, G. (2014). Pengembangan Energi Panas Bumi yang Berkelanjutan. *Jurnal Ilmiah Semesta Teknika*, 17, 68–82.

Fajardo, S., Souto, R. M., & Rodríguez, J. L. (2017). Electrochemical methods for the evaluation of corrosion resistance of metallic coatings. *Coatings*, 7(12), 212.

Gladman, T. (1999). *Precipitation Hardening in Metal*.

Goldstein, J. I., Newbury, D. E., Michael, J. R., Ritchie, N. W. M., Scott, J. H. J., & Joy, D. C. (2017). *Scanning Electron Microscopy and X-ray microanalysis*.

Goldstein, J., Newbury, D., Michael, J., Ritchie, N., Scott, J. H., & Joy, D. (2018). *Scanning Electron Microscopy and X-Ray Microanalysis* (Fourth).

Groover, M. P. (2010). *Fundamental of Modern Manufacturing : materials, processes, and systems* (M. McDonald, R. Marchione, A. Melhorn, & L. Sapira, Eds.; 4th ed.).

Handoko, B. D., Pratikno, H., & Marina, D. (2017). *FINAL PROJECT-MO1326 ANALYSIS OF EFFECT HEAT TREATMENT ON CORROSION RATE AND MECHANICAL PROPERTISE AT STEEL PIPE API 5L GRADE B IN THE MARINE ENVIRONMENT*.

Herrera Hernandez, H. (n.d.). *Electrochemical Impedance Spectroscopy (EIS) : A Review of Basic Aspect of the Corrosion Mechanism Applied to Steel*. IntechOpen.

Hsiao, C. N., Chiou, C. S., & Yang, J. R. (2002). Aging reactions in a 17-4 PH stainless steel. In *Materials Chemistry and Physics* (Vol. 74).

J.R. Davis. (1996). *Metallurgy of Steel*. *ASM International*.

Karlsdottir, S.N., Ragnarsdottir, Thorbjornsson, I. O., & Einarrson, A. (2015).

Corrosion testing in superheated geothermal steam in Iceland.

- Karthik, D., Kalainathan, S., & Swaroop, S. (2015). Surface modification of 17-4 PH stainless steel by laser peening without protective coating process. *Surface and Coatings Technology*, 278, 138–145. <https://doi.org/10.1016/j.surfcoat.2015.08.012>
- Kelly, D. J., Lepage, A., Mar, D., Restrepo, J. I., Sanders, J. C., & Taylor, A. W. (2014). Use of high-strength reinforcement for earthquake-resistant concrete structures. *NCEE 2014 - 10th U.S. National Conference on Earthquake Engineering: Frontiers of Earthquake Engineering*. <https://doi.org/10.4231/D3Z31NP6Z>
- Li, R., Miao, C., & Nie, M. (2022). *Equivalent Relationship of Accelerated Corrosion and Compilation Method of Environmental Spectrum of Corroded Steel Wires*.
- Lo, K. H., Shek, C. H., & Lai, J. K. L. (2009). Recent developments in stainless steels. In *Materials Science and Engineering R: Reports* (Vol. 65, Issues 4–6, pp. 39–104). Elsevier BV. <https://doi.org/10.1016/j.mser.2009.03.001>
- M. Batubara. (2018). *Pengembangan Panas Bumi: Sebagai Energi Kearifan Lokal di Indonesia*. Yayasan Pengkajian Sumber Daya Indonesia.
- Mahmoudi, M., Elwany, A., Yadollahi, A., Thompson, S. M., Bian, L., & Shamsaei, N. (2017). Mechanical properties and microstructural characterization of selective laser melted 17-4 PH stainless steel. *Rapid Prototyping Journal*, 23(2), 280–294. <https://doi.org/10.1108/RPJ-12-2015-0192>
- M.G.Fontana. (2005). *Corrosion Engineering*.
- Mishra, R. K., Thomas, S., & Zachariah, A. K. (2017). Energy-Dispersive X-ray Spectroscopy Techniques for Nanomaterial. In *Microscopy Methods in Nanomaterials Characterization* (pp. 383–405). Elsevier. <https://doi.org/10.1016/B978-0-323-46141-2.00012-2>
- Mohammed, A., & Abdullah, A. (n.d.). *SCANNING ELECTRON MICROSCOPY (SEM): A REVIEW*.
- Murayama, M., Katayama, Y., & Hono, K. (1999). *Microstructural Evolution in a*

17-4 PH Stainless Steel after Aging at 400 C (Vol. 30).

- Nayan, N., Sanudin, R., & Tengku Ibrahim, T. N. (2009). An Introduction to Optical Emission Spectroscopy and Laser-Aided Spectroscopy Techniques for Low-Temperature Plasma Analyses. *Malaysia : MUCEET*.
- Nikitasari, A., Prasetyo, M. A., Riastuti, R., & Mabruri, E. (2019). Pitting corrosion resistance of CA6NM as geothermal turbine blade material in simulated artificial geothermal brine. *IOP Conference Series: Materials Science and Engineering*, 541(1). <https://doi.org/10.1088/1757-899X/541/1/012016>
- Nogara, J., & Zarrouk, S. J. (2018). Corrosion in geothermal environment: Part 1: Fluids and their impact. In *Renewable and Sustainable Energy Reviews* (Vol. 82, pp. 1333–1346). Elsevier Ltd. <https://doi.org/10.1016/j.rser.2017.06.098>
- Nölte, J. (2021). *ICP Emission Spectrometry* (Second).
- Nurwahyudin, D. S., & Harmoko, U. (2020). Pemanfaatan dan Arah Kebijakan Perencanaan Energi Panas Bumi di Indonesia Sebagai Keberlanjutan Maksimalisasi Energi Baru Terbarukan. *Jurnal Energi Baru Dan Terbarukan*, 1(3), 111–123. <https://doi.org/10.14710/jebt.2020.10032>
- Peroff, A. (2023). *Electrochemical Impedance Spectroscopy Basics*. Pine Research Instrumentation.
- Pramono, C. (2020). *MATERIAL TEKNIK*.
- Rajan, T. V., Sharma, C. P., & Sharma, A. (2023). *Heat Treatment : Principles and Techniques* (2nd ed.). Ghosh, Asoke.
- Revie, W., & Uhlig, H. (2008). *Corrosion and Corrosion Control : An Introduction to Corrosion Science and Engineering* (4th ed.).
- Sabooni, S., Chabok, A., Feng, S. C., Blaauw, H., Pijper, T. C., Yang, H. J., & Pei, Y. T. (2021). Laser powder bed fusion of 17–4 PH stainless steel: A comparative study on the effect of heat treatment on the microstructure evolution and mechanical properties. *Additive Manufacturing*, 46. <https://doi.org/10.1016/j.addma.2021.102176>
- Sakai Yoshihiro, Nakamura, K., & Shiokawa, K. (2005). Recent Technologies for Geothermal Steam Turbines . *Fuji Electric Review*.

- Salman Ali, A. (2020). Application of Nanomaterials in Environmental Improvement. In *Nanotechnology and the Environment*. IntechOpen. <https://doi.org/10.5772/intechopen.91438>
- Schönbauer, B., Stanzl-Tschegg, S. E., Perlega, A., Salzman, R., Rieger F, N., Zhou, S., Turnbull, A., & Gandy, D. (2014). *Fatigue life estimation of pitted 12% Cr steam turbine blade steel in different environments and at different stress ratios*.
- Setya Kurniawan, A., & Poppy Puspitasari, R. (2014). ANALISIS KEKUATAN TARIK DAN STRUKTUR MIKRO PADA BAJA St.41 AKIBAT PERBEDAAN AYUNAN ELEKTRODA PENGELASAN SMAW. *TAHUN*, 22(2).
- Sinaga, F. T. H., Boangmanalu, E. P. D., Pratama, A. B., Saragi, J. F. H., Al Qadry, & Sahat. (2024). Hardness Test Analysis on ST 37 Steel Plate Material and Aluminum Using the Brinell Test Method. *Formosa Journal of Science and Technology*, 2(12), 3297–3308. <https://doi.org/10.55927/fjst.v2i12.7035>
- Spieß, L., Teichert, G., Schwarzer, R., Behnken, H., & Genzel, C. (2009). *Moderne Röntgenbeugung* (2nd ed.).
- Standard Specification for Steel Castings, Stainless, Precipitation Hardening 1*. (n.d.). https://doi.org/10.1520/A0747_A0747M-1
- Suherman, W. (1999). *Perlakuan Panas*. Surabaya : Institut Teknologi Sepuluh Nopember.
- Sukmayanti, P. (2023). *Analisis Variasi Temperatur Proses Perlakuan Panas dengan Media Pendingin Air Terhadap Sifat Mekanik dan Struktur Mikro pada Baja Mangan Medium*.
- Test Methods for Tension Testing of Metallic Materials*. (2013). ASTM International. https://doi.org/10.1520/E0008_E0008M-13A
- Trisakti, B., Sidabutar, R., Lumbangaol, A. K., Lumbangaol, A. K., Hutagalung, A., Lumbangaol, P., & Irvan. (2020). Effect of sulphuric acid (H₂SO₄) and sodium hydroxide (NaOH) addition to prevent silica scaling in geothermal power plant projection pipes at PLTP X. *IOP Conference Series: Materials Science and Engineering*, 801(1). <https://doi.org/10.1088/1757->

899X/801/1/012038

- Voort, & Vander, G. (2015). *Solution for Material Preparation, Testing and Analysis Microstructure of Ferrous Alloys*. Wwww.Buehler.Com.
- Wang, J., Sama, S. R., Lynch, P. C., & Manogharan, G. (2019). *Design and topology optimization of 3D-printed wax patterns for rapid investment casting*. 34, 683–694. <https://doi.org/10.1016/j.promfg.2019.06.224>
- Yamamoto, Miyazaki, M., & Watanabe, M. (n.d.). Turbine Materials for Geothermal Power Generation. *Toshiba Corporation*.
- Yang, T., Xue, S., Zheng, L., Liu, L., & Liu, X. (2021). *Crack Investigation of Martensitic Stainless Steel Turbine Blade in Thermal Powerplant*.
- Zarrouk, S. J., & Moon, H. (2014). Efficiency of geothermal power plants: A worldwide review. In *Geothermics* (Vol. 51, pp. 142–153). <https://doi.org/10.1016/j.geothermics.2013.11.001>
- Zulfadli. (n.d.). *Klasifikasi Baja Paduan*. <http://Egiskren.Blogspot.Co.Id>.

