DAFTAR PUSTAKA

Ambrosio, D., Morisada, Y., Ushioda, K., & Fujii, H. (2023). *Material flow in friction stir welding: A review*. Journal of Materials Processing Technology, 320,118116. DOI: 10.1016/j.jmatprotec.2023.118116

American Welding Society. (2020). *AWS A3.0M/A3.0:2020: Standard Welding Terms and Definitions*. Miami, FL: American Welding Society

A. Pradityana, Sulistijono, and A. Shahab, "Penggunaan Bio Inhibitor dalam Pipe Plant Industri Migas," pp. 1–8, 2007, DOI:10.23960/jemit.v4i3.125

ASTM International. (2019). *ASTM A36/A36M-19: Standard Specification for Carbon Structural Steel*. ASTM International. DOI: 10.1520/A0036_A0036M-19

Callister, W. D., Jr., & Rethwisch, D. G. (2020). *Materials Science and Engineering: An Introduction* (10th ed.). John Wiley & Sons. ISBN 978-1-119-45391-8.

Chuka, N. S., Uzoma, O. A., Nnaemeka, O. E., Everest, C. A., & Chibueze, I. G. K. (2022). *The effect of flux composition on tensile strength of re-engineered E308H-16 electrode*. Journal of Engineering and Applied Science, 69. DOI: 10.1177/16878132221108265.

Collomb, S., Chen, X., Tinnes, J. P., Schenk, T., Ferry, O., Tsareva, S., Redjaïmia, A., & Jacques, A. (2023). The analysis of internal stresses on a welded joint in Grade 91 steel under creep test loading: Synchrotron X-ray diffraction measurements and modelling. *Materials Science and Engineering: A, 865*, 144645. DOI: 10.1016/j.msea.2023.144645

Dassault Systèmes SolidWorks Corporation. (2021). *SOLIDWORKS 2021 design help*. SOLIDWORKS 2021 Design Help

Dassault Systèmes. (2023). *Computer-aided engineering (CAE) software*.

Golubiatnikov, K., Ghimire, A., Wald, F., Vild, M., & Stancik, V. (2025). Stress and strain distributions in fillet welded joints. *Journal of Constructional Steel Research, 226*, 109314. Doi.org/10.1016/j.jcsr.2024.109314

Hafni, & Rifqi. (2022). *The Effect of 70° and 85° Electrode Angles on Reverse Welding Techniques on Fusion Depth*. Jurnal Teknik Mesin. DOI: 10.21063/jtm.2022.v12.i1.61-64

H. Anggigi and U. Budiarto, "Analisa Pengaruh Temperatur Normalizing pada Sambungan LAS SMAW (Shielded Metal Arc Welding) Terhadap Kekuatan Tarik, Tekuk dan Mikrografi Baja Karbon Rendah," *J. Tek. Perkapalan*, vol. 7, no. 4, pp. 504–513, 2019, https://ejournal3.undip.ac.id/index.php/naval

H. Saputra, M. Ivanto, and G. S. Lubis, “Pengaruh Hasil Pengelasan Model Smaw Terhadap Kekuatan Tarik Baja ST 37 Dan ASTM A36,” *JTRAIN J. Teknol. Rekayasa Tek. Mesin*, vol. 4, no. 1, pp. 55–64, 2023, http://ejurnal.untan.ac.id/index.php/jtm/article/view/62930

Jiménez Mena, N., Sapanathan, T., Jacques, P. J., & Simar, A. (2021). Combined numerical and experimental estimation of the fracture toughness and failure analysis of single lap shear test for dissimilar welds. *Engineering Fracture Mechanics, 249*, 107756. Doi.org/10.1016/j.engfracmech.2021.107756

Liu, W. K., Li, S., & Park, H. S. (2022). Eighty years of the finite element method: Birth, evolution, and future. Archives of Computational Methods in Engineering, 29(7), 4431–4453. Doi.org/10.1007/s11831-022-09740-9

Liu, H., Morisada, Y., & Fujii, H. (2023). *Friction stir welding: Process, temperature, microstructure and properties*. Science and Technology of Welding and Joining, 28(8), 619–632. DOI: 10.1080/13621718.2023.2229025

Ma’arif, S. (2022). Distribusi tegangan pada sambungan las *dissimilar* antara ASTM A36 Steel dan AISI 304 dengan Solidworks. *SocArXiv*. Doi.org/10.31219/osf.io/ke72f

Molski, K. L., & Tarasiuk, P. (2024). Stress concentration factors for non-load-carrying welded cruciform joints subjected to tension, bending, and shear. *Materials, 17*(3), 609. Doi.org/10.3390/ma17030609

Muntaha. (2021). *Need Analysis of Electrodes for Shielded Metal Arc Welding in 3G Position at the Fabrication Laboratory*. Edulab: Majalah Ilmiah Laboratorium Pendidikan, 6(2), 113–124. DOI: 10.14421/edulab.2021.62.01

Murugesan, M., & Jung, D. W. (2019). Johnson Cook Material and Failure Model Parameters Estimation of AISI-1045 Medium Carbon Steel for Metal Forming Applications. *Materials, 12*(4), 609. DOI: 10.3390/ma12040609

Nugroho, N. Y., Pramana Putra, I., & Widodo, A. B. (2025). Distribusi tegangan sambungan las terhadap sudut sambungan pelat badan kapal dengan pemodelan metode elemen hingga. Zona Laut: Jurnal Inovasi Sains dan Teknologi Kelautan, 6(2). Doi.org/10.62012/zl.vi.36304

Rizka, H., Matahelumual, M., Ramadhan, M. T. N., & Heryana, G. (2024). Redesain alat pencekam plat dalam konteks *jig and fixture* pada proses pengelasan di meja kerja. *Jurnal Mekanik Terapan, 5*(2), 113–120. Doi.org/10.32722/jmt.v5i2.6545

Singh, R. (2022). Gas Metal Arc Welding. In *Arc Welding Processes Handbook*. Wiley. DOI: 10.1002/9781119819080.ch4.

SOLIDWORKS. (2021). *Edge Weld Connector PropertyManager*. Dassault Systèmes SOLIDWORKS.

SOLIDWORKS. (n.d.). *Edge Weld Connector PropertyManager*. Dassault Systèmes SOLIDWORKS.

Soltan, H., & Omar, M. (2022). *A roadmap for selection of metal welding process: A review and proposals*. Welding in the World, 66, 2639–2675. DOI: 10.1007/s40194-022-01379-1.

Turnage, S. A., Darling, K. A., Rajagopalan, M., Whittington, W. R., Tschopp, M. A., Peralta, P., & Solanki, K. N. (2018). Influence of variable processing conditions on the quasi-static and dynamic behaviors of resistance spot welded aluminum 6061-T6 sheets. *Materials Science and Engineering: A, 724*, 405–414. Doi.org/10.1016/j.msea.2018.03.120

Tu, S., Gao, X., et al. (2020). *Stress–strain curves of metallic materials and post-necking strain hardening characterization: A review*. Fatigue & Fracture of Engineering Materials & Structures. Doi.org/10.1111/ffe.13134

W. A. Rohman and Y. Winardi, "Pengaruh Kuat Arus TIG Welding Pada Material SUS 304 Terhadap Kekuatan Tarik Dan Struktur Mikro. 5(2)," Universitas Muhammadiyah Ponorogo, 2021, https://eprints.umpo.ac.id/7452/

Wang, Y., Luo, Y., Kotani, Y., & Tsutsumi, S. (2021). Generalized SCF formula of out-of-plane gusset welded joints and assessment of fatigue life extension by additional weld. *Materials, 14*(5), 1249. Doi.org/10.3390/ma14051249

Zhang, Y., Chen, D., Zhou, X., & Li, H. (2018). A review on the conversion between engineering stress-strain and true stress-strain. *Journal of Materials Research and Technology, 7*(2), 129–155. Doi.org/10.1016/j.ijimpeng.2018.05.001