

DAFTAR PUSTAKA

Afzal, M.S. *et al.* (2025) “Optimization of process parameters for shielded metal arc welding for ASTM A 572 grade 50,” *Journal of Engineering Research (Kuwait)*, 13(2), pp. 1072–1088. Available at: <https://doi.org/10.1016/j.jer.2024.01.005>.

ASTM A105 Steel Grade Material (2017) HAIHAO GROUP. Available at: <https://www.weldflange.com/astm-a105-steel-grade-material.html> (Accessed: September 14, 2025).

Baghel, P.K. (2022) “Effect of SMAW process parameters on similar and dissimilar metal welds: An overview,” *Heliyon*. Elsevier Ltd. Available at: <https://doi.org/10.1016/j.heliyon.2022.e12161>.

Cahyo Kuntoro, R., Anas Arifin, A. and Firmart, A. (2025) *Prosiding Seminar Nasional Teknologi Industri Berkelanjutan V (SENASTITAN V)* Surabaya.

Liu, S. *et al.* (2025) “Investigation of Key Technologies and Applications of Factory Prefabrication of Oil and Gas Station Pipeline,” *Processes*, 13(6). Available at: <https://doi.org/10.3390/pr13061890>.

Minh, P.S. *et al.* (2024) “Parameter Optimization in Orbital TIG Welding of SUS 304 Stainless Steel Pipe,” *Metals*, 14(1). Available at: <https://doi.org/10.3390/met14010005>.

Okiy, S. and Oreko, B.U. (2024) “European Journal of Science, Innovation and Technology EJSIT Assessment of Tensile Strength, Hardness and Impact Toughness of API 5L Grade X65 Carbon Steel Pipe Welded Joints at the HAZ using TIG and SMAW Techniques,” 4(6), p. 160. Available at: www.ejsit-journal.com.

Pamungkas, D., Hastuti, S. and Taufik, I. (2024) “ANALISIS KEKUATAN BUTT JOINT PENGELASAN SMAW PADA MATERIAL ST-37 DENGAN VARIASI ELEKTRODA DAN KECEPATAN PENGELASAN,” *ELEMEN: JURNAL TEKNIK MESIN*, 11(1), pp. 29–35. Available at: <https://doi.org/10.34128/je.v11i1.277>.

Park, J.H. and Moon, H.S. (2020) “Advanced automatic welding system for offshore pipeline system with seam tracking function,” *Applied Sciences (Switzerland)*, 10(1). Available at: <https://doi.org/10.3390/app10010324>.

Petroleum Institute, A. (1999) *By Authority Of THE UNITED STATES OF AMERICA Legally Binding Document*.

Riswanda, Bintoro, W.M. and Yanpurnadi, D. (2014) *Desain Dan Pembuatan Alat Bantu Pengelasan Pipa Pada Proses GMAW Dengan Variasi Kecepatan Menggunakan Sistem Transmisi, IRWNS*.

Riswanda, Kadir, H. and Bintoro, W.M. (2018) *PENGARUH VARIASI KECEPATAN PENGELASAN PIPA BAJA KARBON RENDAH TERHADAP SIFAT FISIS DAN MEKANIS MENGGUNAKAN ALAT BANTU OTOMATIS*.

“Test Methods for Tension Testing of Metallic Materials” (2013). West Conshohocken, PA: ASTM International. Available at: https://doi.org/10.1520/E0008_E0008M-13A.