

DAFTAR PUSTAKA

Achmadi. (2025). *Visual inspection pada pengujian tidak merusak*. Jakarta: Penerbit Teknik Industri.

American Welding Society. (2020). *Welding handbook* (Vol. 1–4). Miami, FL: American Welding Society.

Arifin, Z. (1997). *Teknologi pengelasan logam*. Bandung: ITB Press.

ASM International. (2022). *Nondestructive evaluation and quality control*. Materials Park, OH: ASM International.

ASTM International. (2022a). *ASTM E8/E8M–22: Standard test methods for tension testing of metallic materials*. West Conshohocken, PA: ASTM International.

ASTM International. (2022b). *ASTM E165/E165M–22: Standard practice for liquid penetrant testing*. West Conshohocken, PA: ASTM International.

Callister, W. D., & Rethwisch, D. G. (2018). *Materials science and engineering: An introduction* (9th ed.). Hoboken, NJ: John Wiley & Sons.

Callister, W. D., & Rethwisch, D. G. (2020). *Materials science and engineering: An introduction* (10th ed.). Hoboken, NJ: John Wiley & Sons.

Callister, W. D., & Rethwisch, D. G. (2022). *Materials science and engineering: An introduction* (11th ed.). Hoboken, NJ: John Wiley & Sons.

Cary, H. B. (1980). *Modern welding technology*. Englewood Cliffs, NJ: Prentice Hall.

Chen, Y., Liu, Z., & Wang, H. (2023). Effect of groove geometry on weld penetration and mechanical properties. *Journal of Manufacturing Processes*, 85, 145–154.

Daryanto. (1982). *Teknik las listrik*. Jakarta: Rineka Cipta.

Davis, J. R. (2004). *Tensile testing*. Materials Park, OH: ASM International.

Dwivedi, S., & Vishwakarma, M. (2021). Overview of nondestructive testing methods. *Materials Today: Proceedings*, 46, 10361–10366.

Eka Yogaswara, I., dkk. (2008). *Teknologi pengelasan*. Bandung: Alfabeta.

Fransiska. (2022). *Dasar-dasar pengelasan*. Jakarta: Erlangga.

Gao, X., Zhang, L., & Li, Y. (2021). Advanced cutting methods for weld preparation. *Journal of Manufacturing Science and Engineering*, 143(5), 051006.

Gao, X., Li, Y., & Wang, H. (2023). Advances in liquid penetrant testing for industrial applications. *NDT & E International*, 135, 102783.

Harsono, & Toshie, O. (2008). *Teknologi pengelasan logam*. Jakarta: Pradnya Paramita.

Hellier, C. (2021). *Handbook of nondestructive evaluation* (3rd ed.). New York, NY: McGraw-Hill Education.

Hidayat, R., Prasetyo, A., & Nugroho, S. (2021). Mechanical properties of carbon steel based on carbon content variation. *Journal of Materials Engineering*, 12(2), 45–52.

Kah, P., Martikainen, J., & Hiltunen, E. (2021). Heat input control in arc welding. *Journal of Manufacturing Processes*, 68, 558–566.

Kou, S. (2003). *Welding metallurgy* (2nd ed.). Hoboken, NJ: John Wiley & Sons.

Kou, S. (2021). *Welding metallurgy* (3rd ed.). Hoboken, NJ: John Wiley & Sons.

Kumar, A., & Shahi, A. S. (2023). Influence of groove angle on weld bead geometry. *Journal of Materials Processing Technology*, 315, 117915.

Kumar, S., Singh, R., & Patel, V. (2021). Effect of welding position on mechanical properties of welded joints. *Materials Today: Proceedings*, 44, 392–398.

Li, X., Zhang, Y., & Chen, Q. (2021). Thermal cycle and weld microstructure relationship. *Materials Characterization*, 175, 111061.

Li, Y., Wang, H., & Zhao, J. (2022). Mechanical behavior of welded steel under tensile loading. *Engineering Failure Analysis*, 134, 106047.

- Messler, R. W. (2008). *Principles of welding: Processes, physics, chemistry, and metallurgy*. Hoboken, NJ: John Wiley & Sons.
- Miller Electric. (2021). *Welding positions guide*. Appleton, WI: Miller Electric Manufacturing LLC.
- Modenesi, P. J., Marques, P. V., & Bracarense, A. Q. (2021). *Introduction to welding metallurgy*. Cham: Springer.
- Nugroho, S., & Santoso, B. (2022). Classification and properties of carbon steels. *Jurnal Teknik Mesin*, 14(1), 1–8.
- Pratama, D., Hadi, S., & Wibowo, A. (2021). Chemical composition and mechanical properties of carbon steel. *Jurnal Metalurgi*, 36(2), 75–82.
- Prayogi, A., & Suhardiman. (2019). Pengaruh kadar karbon terhadap sifat mekanik baja. *Jurnal Rekayasa Material*, 9(1), 15–21.
- Rahman, F., & Putra, R. (2023). Weldability of low carbon steel. *International Journal of Welding Science*, 5(2), 22–30.
- Regina, M. (2023). Karakteristik baja karbon rendah untuk aplikasi konstruksi. *Jurnal Teknik Sipil*, 18(1), 41–48.
- Riadi, A. (2021). Heat treatment effect on medium carbon steel. *Journal of Mechanical Engineering*, 10(3), 89–97.
- Sharma, R., & Singh, P. (2022). Optimization of welding current in SMAW. *International Journal of Engineering Research*, 11(6), 420–427.

Singh, R., Kumar, A., & Patel, S. (2022). Effect of V-groove design on weld quality. *Journal of Manufacturing Technology*, 28(4), 211–218.

Sukaina, Tarkina, & Fandi. (2013). *Gambar teknik dan simbol las*. Jakarta: Kementerian Pendidikan dan Kebudayaan.

Sunaryo. (2008). *Teknik pengelasan dasar*. Yogyakarta: Andi Offset.

Wirjosumarto, H., & Okumura, T. (2013). *Teknologi pengelasan logam*. Jakarta: Pradnya Paramita.

Zamil. (1999). *Teknik dasar pengelasan*. Jakarta: Erlangga.

Zhang, Y., Li, H., & Wang, X. (2021). Effect of welding parameters on mechanical properties. *Materials Science Forum*, 1032, 85–92.

Zhang, L., Chen, Y., & Liu, Z. (2022). Influence of heat input on weld joint strength. *Journal of Materials Engineering and Performance*, 31(9), 6932–6941.