

DAFTAR PUSTAKA

- American Society for Metals Handbook Committee. (1990). *Properties and Selection Nonferrous Alloys and Special - Purpose Material*, Volume 02, ASM International, The Materials Information Company.
- Bishop, R. J., & Smallman, R. E. (1962). *Modern Physic Metallurgy & Materials Engineering*. 256.
- Bradley, G., & James, M.N. (2000). Geometry and Microstructure of Metal Inert Gas and Friction Stir Welded Aluminium Alloy 5383-H321.
- Broek, D. (1982). *Elementary Engineering Fracture Mechanics*.
- Callister, W.D., (2001). “*Material Science and Engineering an Introduction*” Sixth Edition, John Wiley & Sons, Inc.
- Davis, J. R., & Park, M. (2002). Alloying: understanding the basics. In *Choice Reviews Online* (Vol. 39, Issue 09).
- Forinash, K., & Christian, W. (2016). *Sound: An Interactive eBook*.
- Horikawa, K., Sakakibara, A., Mori, T., (1983). Effect of residual stresses on threshold value for fatigue crack propagation. *Welding Mechanics, Strength & Design*. Transactions of JWRI vol. 12.
- Ilman, M. N., Sriwijaya, R. A., Muslih, M. R & Triwibowo, N. A. (2020). Strength and fatigue crack growth behaviours of metal inert gas AA5083-H116 welded joints under in-process vibrational treatment. *Journal of Manufacturing Processes*,59(August),727–738.
- Jose, M. J., Kumar, S. S., & Sharma, A. (2016). Vibration assisted welding processes and their influence on quality of welds. *Science and Technology of Welding and Joining* 21(4),243-258.
- Kou, S. (2003). *Welding metallurgy*. Hoboken, NJ: Wiley-Interscience.

- Khoirul, R., & Winarto (2018). Efek getaran pada pengelasan aluminum 5083 H112 menggunakan proses las gas metal arc welding (GMAW) terhadap porositas dan sifat mekanik. *Jurnal Teknologi Terapan*. Vol 4
- Lathabai, S. (2010). "Joining of Aluminium and Its Alloys." *Fundamentals of Aluminium Metallurgy: Production, Processing and Applications*: 607–54.
- Lumley, R., (2011), *Fundamentals of Aluminium Metallurgy*, Woodhead Publishing Limited, Cambridge.
- Mandal, N. R., (2005), *Aluminum Welding*, 2nd ed, Woodhead Publishing Limited, Kharagpur.
- Mutombo, K., & Toit, M. Du. (2011). Corrosion fatigue behaviour of aluminium alloy 6061-T651 welded using fully automatic gas metal arc welding and ER5183 filler alloy. *International Journal of Fatigue*, 33(12), 1539–1547.
- Nadzam, J., Armao, F., Byall, L., Kotecki, D., & Miller, D. (2014). *Gas Metal Arc Welding Guidelines*. Cleveland, OH: The Lincoln Electric Company
- Nerman, P. (2006). Assessing weld quality in MIG welding. *Mig Welding Guide*, 130-143.
- Norrish, J. (2006). *Gas metal arc welding. Advanced Welding Processes*. 100-135.
- Piccini, J. M., & Svoboda, H. G. (2017). Tool geometry optimization in friction stir spot welding of Al-steel joints. *Journal of Manufacturing Processes*, 26, 142–154.
- Radhakrishnan, K., Parameswaran, P., Antony, A. G., & Rajaguru, K. (2020). Optimization of mechanical properties on GMAW process framework using AA6061-T6. *Materials Today: Proceedings*, 37(Part 2), 2924–2929.
- Rahman, A, Kumar, S., & Gerson, A. R. (2007). Galvanic corrosion of laser weldments of AA6061 aluminium alloy. *Corrosion Science*, 49(12), 4339–4351.
- Rao, S. (2011). *Mechanical Vibrations*, 5 th ed., Prentice Hall, Upper Saddle River, New Jersey.

- Rohmat, I. K., & Winarto, W. (2018). Efek Getaran Pada Pengelasan Aluminium 5083 H112 Menggunakan Proses Las Gas Metal Arc Welding (GMAW) Terhadap Porositas. *JTT (Jurnal Teknologi Terapan)*, 4(2), 85.
- Sevim, I., Hayat, F., Kaya, Y., Kahraman, N., & Şahin, S. (2013). The study of MIG weldability of heat-treated aluminum alloys. *International Journal of Advanced Manufacturing Technology*, 66(9–12), 1825–1834.
- Stridh, L. (2006). Consumables in MIG welding. *Mig Welding Guide*, 71-79.
- Taghavi, F., Saghafian, H., & Kharrazi, Y. H. K. (2009). Study on the effect of prolonged mechanical vibration on the grain refinement and density of A356 aluminum alloy. *Materials and Design*, 30(5), 1604–1611.
- Tewari, S. P., & Shanker, A. (1994). Effects of Longitudinal Vibration on Hardness of the Weldments. *Isij International*, 33(12), 1265–1269.
- Tian Y, Shen J, Hu S, Wang Z & Gou J. (2018). Effects of ultrasonic vibration in the CMT process on welded joints of Al alloy. *J Mater Process Technol* ;259:282–91.
- Trethewey, K. R., & Chamberlein, J. (1991). Corrosion for Science and Engineering. Michigan: Longman Scientific & Technical.
- Verma, R. P., Pandey, K. N., & Sharma, Y. (2015). Effect of ER4043 and ER5356 filler wire on mechanical properties and microstructure of dissimilar aluminium alloys, 5083-O and 6061-T6 joint, welded by the metal inert gas welding. *Proceedings of the Institution of Mechanical Engineers, Part B: Journal of Engineering Manufacture*, 229(6), 1021–1028.
- Weman, K & Linden, G. (2007). MIG Welding Guide. In *Indian Welding Journal* (Vol. 40, Issue 3).
- Weite, W. (2000). Influence of vibration frequency on solidification of weldments. *Scripta Mater* 2000; 42:661–5.
- Wibowo, W & Ilman, M. N., (2011). Studi Eksperimental Pengendalian Korosi pada Aluminium 2024-T3 di Lingkungan Air Laut Melalui Penambahan

Inhibitor Kalium Kromat (K_2CrO_4).

Yuan, T., Kou, S., & Luo, Z. (2016). Grain refining by ultrasonic stirring of the weld pool. *Acta Materialia*, 106, 144–154.

Yunaidi & Ilman, M. N., (2012). Pengaruh Preheat dan Thermal Tensioning Terhadap Sifat Fisis dan Mekanik pada Sambungan Las TIG Al 6061-T6.

Zaid, B., Saidi, D., Benzaid, A., & Hadji, S. (2008). Effects of pH and chloride concentration on pitting corrosion of AA6061 aluminum alloy. *Corrosion*.