

DAFTAR PUSTAKA

- Adamowski, J. dan Szkodo, M., 2007, Friction Stir Welding (FSW) of Aluminium Alloy AW6082-T6, *Achievements in Materials and Manufacturing Engineering – AMME*, Vol. 20, pp 1-2
- Ahmed, Shuja., Shubhrant, Abhishek., dan Deep, Akash., 2014, Development and Analysis of Butt and Lap welds in Micro Friction StirWelding (μ FSW), 5th International & 26th All India Manufacturing Technology, 563, 1-5.
- Ambriz, R.R. dan Mayagoitia, V., 2011, *Welding of Aluminium Alloys*, Instituto Politécnic Nacional CIITEC-IPN, Meksiko.
- American Society for Metals Handbook Committee, 1990, *Properties and Selection Nonferrous Alloys and Special -Purpose Material*, Volume 02, ASM International, The Materials Information Company.
- Baskoro, A.S., Nugroho, A.A.D., Rahayu, D., Suwarsono., Kiswanto, G., Winarto., 2013, Effects of Welding Parameters in Micro Friction Stir Lap Welding of Aluminum A1100, *Advanced Materials Research*, Vol. 789, pp 356-359.
- Callister, Jr.W.D., 2007, *Material Science and Engineering - An Introduction*, 7th ed, John Wiley & Sons, Inc.
- Çam, G., Güçlüer, S., Çakan, A., Serindağ, H.T., 2008, Mechanical properties of friction stir butt-welded Al-5086 H32 plate, *Journal of Achievements in Materials and Manufacturing Engineering*, No 2, Vol. 30, pp 151-156.
- Chen, H.B., Yan, K., Lin, T., Chen, S.B., Jiang, C.Y., Zhao, Y., 2006, The Investigation of Typical Welding Defects for 5456 Aluminum Alloy Friction Stir Welds, *Material Science and Engineering*, 433, 64-69.
- Collins, J.A., 1993, *Failure Of Material In Mechanical Design*, Second Edition, John Wiley & Sons, Inc, New York.
- Dowling, N.E., 1991, *Mechanical Behaviour of Material*, Prentice, New Jersey.
- Frigaard, O., Grong, O., dan Midling, O., T., 2001, A process model for friction-stir welding of age hardening aluminium alloys, *Metallurgical and Material Transactions*, vol. 5, no. 32A, pp.1189–1200.

- Heinz, B., & Skrotzki, B., 2002, Characterization of a friction-stir-welded aluminum alloy 6013, *Metallurgical and Materials Transactions B*, No. 33, Vol. 3, pp. 489.
- Hirata, K. dan Higashi, T., 2010, The Usage Of Friction Stir welding for Manufacturing Small-Scale Structure, *JOM*, No. 2, Vol. 62, pp. 42-48.
- Khaled, T., 2005, *An Outsider Looks at Friction Stir Welding*, Metallurgy Federal Aviation Administration, Lakewood.
- Liu, H.J., Fujii, H., Nogi, K., 2005, Friction Stir Welding Characteristics of 2017-T351 Aluminum Alloy Sheet, *Journal of Material Science*, no. 40, pp 3297-3299
- Liu, L., Nakayama, H., Fukumoto, S., Yamamoto, A., Tsubakino, H., 2004, Microstructure of Friction Stir Welded 6061 Aluminum Alloy, *Materials Forum*, vol. 28, pp 878-882.
- Messler, R.W., 1999, *Principles of Welding: Process, Physics, Chemistry, dan Metallurgi*, John Wiley and Sons, New York.
- Mishra, Rajiv Sharan, Kumar, Nilesh, dan Sarathi De, Partha, 2014, *Friction Stir Welding and Processing*, Springer, Switzerland.
- Nugroho, S.A., 2013, Pengaruh Putaran *Tool* Terhadap Sifat Mekanis dan Sifat Fatik Sambungan Las *Friction Stir Welding* (FSW) Pada Al 6061 T6, Skripsi, Universitas Gadjah Mada.
- Papaefthymiou, S., Goulas, C., Gavalas, E., 2015, Micro-friction stir welding of titan zinc sheets, *Journal of Materials Processing Technology*, 216, 133-139.
- Peel, M., Steuwer, A., Preuss, M., dan Withers, P.J., 2003, Microstructure, mechanical properties and residual stresses as a function of welding speed in aluminium AA5083 friction stir welds, *Acta Materialia*, No. 51, Vol. 16, pp. 4791-4801.
- Rais, M.N., 2016, Pengaruh Putaran Pahat dan Laju Pemakanan Terhadap Sifat Mekanis Sambungan *Micro Friction Stir Welding* (MFSW) Pada Pelat Tipis, Skripsi, Universitas Gadjah Mada.

- Rasyid, I.N., 2014, Pengaruh Putaran *Tool* Terhadap Sifat Mekanis dan Korosi Pada Sambungan Tak Sejenis Las FSW AA6061-T6 dan AA5083, Skripsi, Universitas Gadjah Mada.
- Sattari, S., Bisadi, H. and Sajed, M. (2012), Mechanical properties and temperature distributions of thin friction stir welded sheets of AA5083, *International Journal of Mechanics and Applications*, No. 1, Vol. 2, pp. 1-6.
- Scialpi, A., De Giorgi, M., De Filippis, L. A. C Nobile, R. dan Panella, F. W. (2007), Mechanical Analysis of ultra-thin friction stir welding joined sheets with dissimilar and similar materials, *Journal of Materials and Design*, Vol. 29, pp. 928-936.
- Smith, W. F., dan Javad H., 1993, *Foundations of Materials Science and Engineering*, 5th ed in SI Units, University of Central Florida – McGraw Hill Inc.
- Smith, W.F., 1993, *Structure and Properties of Engineering Alloys*, 2nd ed, University of Central Florida – McGraw Hill Inc.
- Sub Direktorat Industri Besar dan Sedang, 2013, *Statistik Industri Manufaktur*, Jakarta: Badan Pusat Statitisk Indonesia
- Surdia, Tata dan Saito, Shiinroku, 2005, *Pengetahuan Bahan Teknik*, Cetakan 6, Pradnya Paramita, Jakarta.
- Sutrimo, 2008, *Proses Pengelasan GMAW (Consumable Welding Process)*, Polban, Bandung.
- Thomas, W.M., Nicholas, E.D., Needham, J.C., Murch, M.G., Temple-Smith, P., Dawes, C.J., 1991, Friction Stir Butt Welding, International Patent Application No. PCT/GB92/02203 and GB patent application No. 9125978.8; 6 December 1991.
- Vijayan, S., Raju, R. dan Rao, S. R. K., 2010, Multiobjective optimization of friction stir welding process parameters on aluminium alloy AA 5083 using Taguchi-based Grey relation analysis, *Materials and Manufacturing Processes*, No. 11, Vol. 25, pp. 1206-1212.
- Wirjosumarto, Harsono dan Okumura, Toshie, 1996, *Teknologi Pengelasan Logam*, Pradya Paramita, Jakarta.