

DAFTAR PUSTAKA

- ANSYS Inc., 2009., *Training Manual: Meshing Application Introduction*.
- Armansyah, Alamanar, I.P., Shaari, M.S.B., Jaffarullah, M.S., Busu, N., Abidin, M.A.F., and Kasim, M.A.A., 2014, *Temperature Distribution in Friction Stir Welding Using Finite Element Method*, International Journal of Mechanical, Aerospace, Industrial, Mechatronic and Manufacturing Engineering, 8(10), pp.1673-1678.
- Balasubramanian V., 2008. *Relationship between base metal properties and friction stir welding process parameters*, Materials Science and Engineering. pp.397–403.
- Cartigueyen, S., Sukesh, O.P. and Mahadevan, K., 2014, *Numerical and Experimental Investigations of Heat Generation during Friction Stir Processing of Copper*, Procedia Engineering, 97, pp.1069–1078.
- Chen, C.M. and Kovacevic, R., 2003, *Finite element Modeling of Friction Stir Welding thermal and Thermal and Thermomechanical Analysis*, International Journal of Machine Tool and Manufacture, 43, pp1319-1326.
- Fox, R.W., McDonald, A.T., and Pritchard, P.J., 2011, *Introduction to Fluid Mechanics Eight Edition*, John Wiley & Sons Inc.
- Holman, J.P., 2010, *Heat Transfer Tenth Edition*, McGraw-Hill Companies.
- Jaiganesh, V., Maruthu, B. and Gopinath, E., 2014, *Optimization of Process Parameters on Friction Stir Welding of High Density Polypropylene Plate*, Procedia Engineering, 97, pp.1957-1965.
- Jain, R., Pal, S.K., and Singh, S.B., 2014, *Finite Element Simulation of Temperature and Strain Distribution in Al2024 Aluminum Alloy by Friction Stir Welding*, All India Manufacturing Technology, Design and Research Conference.
- Lakshminarayanan, A.K., Balasubramanian, V., and Elangovan K., 2009, *Effect of Welding Processes on Tensile Properties of AA6061 Aluminium Alloy Joints*, The International Journal of Advanced Manufacturing Technology, 51, pp286 - 296.
- Malik, V., Sanjeev, N., Suresh, H. and Satish, V., 2014, *Investigations on the Effect of Various Tool Pin Profiles in Friction Stir Welding Using Finite Element Simulations*, Procedia Engineering, 97, pp.1060 – 1068.

- Mishra, R.S. and Ma, Z.Y., 2005, *Friction Stir Welding and Processing*, Materials Science and Engineering, 50(1-2), pp.1–78.
- Muhsin, J.J., Tolephih, M.H. and Muhammed, A.M., 2012, *Effect of friction stir welding parameters (rotation and transverse) speed on the transient temperature distribution in friction stir welding of AA 7020-t53*, ARPN Journal of Engineering and Applied Sciences, 7(4), pp.436–446.
- Padmanaban R., Kishore, V.R., and Balusamy, V., 2014, *Numerical Simulation of Temperature Distribution and Material Flow During Friction Stir Welding of Dissimilar Aluminum Alloys*, Procedia Engineering, pp 854-863.
- Pierpaolo, C. and Palazzo, G.S., 2013, *Influence of Process Parameters on Microstructure and Mechanical Properties in AA2024-T3 Friction Stir Welding*, Metallography, Microstructure and Analysis, 2(4), pp.213 – 222.
- Prasanna, P., Rao, B.S. and Rao, G.K.M., 2010, *Finite Element Modeling for maximum Temperature in Friction Stir Welding and its Validation*, The International Journal of Advanced Manufacturing Technology, 51(9-12), pp.925–933.
- Rajakumar, S., Muralidharan, C. and Balasubramanian, V., (2010), *Optimization of the Friction Stir Welding Process and Tool Parameters to Attain a Maximum Tensile Strength of AA7075-T6 Aluminum Alloy*, Proc. IMechE Part B: J. Engineering Manufacture, 224, pp.1175-1190.
- Siddiqui, M.A., Jafri, S.A.H, and Alam S. 2015, *Study Temperature of Butt Joint during Friction Stir Welding of Aluminium Alloy by Using Hyperworks*. International Journal of Engineering Research and Applications, 5(1) pp117-121.
- Su, Hao., Wu, C.S., Pittner, A., and Rethmeier, M., 2014, *Thermal Energy Generation and Distribution in Friction Stir Welding of Aluminum Alloys*, Energy, 77, pp.720-731.
- Su, Hao., Wu, C.S., Bachman, M., and Rethmeier, M., 2015, *Numerical modeling for the effect of pin profiles on thermal and material flow characteristics in friction stir welding*, Materials and Design, 77, pp.114-125.
- Thomas, W. and Nicholas, E., 1997, *Friction stir welding for the transportation industries*, Materials & Design, 18(4-6), pp.269-273.
- Thube, Ravindra S. and Pal, Surjya K., 2014, *Influences of tool pin profile and welding parameters on Friction stir weld formation and joint efficiency of AA5083 Joints produced by Friction Stir Welding*, International Journal of Innovative Research in Advanced Engineering, 1(4).

White, F.M., 2003, *Fluid Mechanics Fourth Edition*, McGraw-Hill Companies.

Zhang, Z., Bie, J., Liu, Y., and Zhang, H., 2008, *Effect of Transverse/Rotational Speed on Material Deformations and Temperature Distribution in Friction Stir Welding*, Journal of Materials Science and Technology, 24(6), pp.907-914.

Zhang, Z., Wu, Q., and Zhang, H., 2014, *Numerical studies of effect of tool sizes and pin shapes on friction stir welding of AA2024-T3 alloy*, Transactions of nonferrous Metals Society of China, 24, pp.3293-3301,

<http://www.matweb.com/search/datasheettext.aspx?bassnum=m104br> diakses pada 9 Januari 2017.

