

DAFTAR PUSTAKA

- [1] Y. Xie, Y. Cai, X. Zhang, and Z. Luo, "Characterization of keyhole gas tungsten arc welded AISI 430 steel and joint performance optimization," *Int. J. Adv. Manuf. Technol.*, vol. 99, no. 1–4, pp. 347–361, 2018, doi: 10.1007/s00170-018-2257-6.
- [2] K. E. K. Vimal, S. Vinodh, and A. Raja, "Optimization of process parameters of SMAW process using NN-FGRA from the sustainability view point," *J. Intell. Manuf.*, vol. 28, no. 6, pp. 1459–1480, 2017, doi: 10.1007/s10845-015-1061-5.
- [3] Y. Mangun Wirajaya, N. Y. Nugroho, and B. Suwasono, "Holding Time pada Sifat Fisik Pengelasan SMAW Baja ASTM-A36 melalui Uji Penetran," *J. Jaring SainTek*, vol. 3, no. 2, pp. 45–50, 2021, doi: 10.31599/jaringsaintek.v3i2.716.
- [4] R. Datta, D. Mukerjee, S. Jha, K. Narasimhan, and R. Veeraraghavan, "Weldability characteristics of shielded metal arc welded high strength quenched and tempered plates," *J. Mater. Eng. Perform.*, vol. 11, no. 1, pp. 5–10, 2002, doi: 10.1007/s11665-002-0001-7.
- [5] G. Venkatesan, V. Muthupandi, and J. Justine, "Activated TIG welding of AISI 304L using mono- and tri-component fluxes," *Int. J. Adv. Manuf. Technol.*, vol. 93, no. 1–4, pp. 329–336, 2017, doi: 10.1007/s00170-016-9002-9.
- [6] N. K. Singh and Y. Vijayakumar, "Application of Taguchi method for optimization of resistance spot welding of austenitic stainless steel AISI 301L," *Innov. Syst. Des. Eng.*, vol. 3, no. 10, pp. 49–61, 2012.
- [7] H. Wu, Y. Chang, Q. Mei, and D. Liu, "Research advances in high-energy TIG arc welding," *Int. J. Adv. Manuf. Technol.*, vol. 104, no. 1–4, pp. 391–410, 2019, doi: 10.1007/s00170-019-03918-5.
- [8] D. Suryadharma, "Industri Penggorengan Raksasa Asal 'Gang Dag Deg Dog' Bandung Tembus Pasar Luar Negeri," *kompasiana.com*, 2018. <https://www.kompasiana.com/dennysuryadharma/5a9ab7bfdd0fa8392b414872/penggorengan-raksasa-asal-gang-dag-deg-dog-bandung?page=all>
- [9] G. Navaneeswar Reddy and M. Venkataramana, "Optimization of process parameters in welding of dissimilar steels using robot TIG welding," *IOP Conf. Ser. Mater. Sci. Eng.*, vol. 330, no. 1, 2018, doi: 10.1088/1757-899X/330/1/012096.
- [10] A. Ahmad and S. Alam, "Parametric optimization of TIG welding using Response Surface Methodology," *Mater. Today Proc.*, vol. 18, pp. 3071–3079, 2019, doi: 10.1016/j.matpr.2019.07.179.
- [11] M. Samiuddin, J. long Li, M. Taimoor, M. N. Siddiqui, S. U. Siddiqui, and J. tao Xiong, "Investigation on the process parameters of TIG-welded aluminum alloy through mechanical and microstructural characterization," *Def. Technol.*, vol. 17, no. 4, pp. 1234–1248, 2021, doi: 10.1016/j.dt.2020.06.012.
- [12] Z. Nurisna and E. Setiawan, "Pengaruh Filler Pada Pengelasan Tig Baja Karbon Dan Stainless Steel 316L Terhadap Sifat Mekanik," *Quantum Tek. J. Tek. Mesin Terap.*, vol. 1, no. 2, pp. 95–99, 2020, doi: 10.18196/jqt.010214.

- [13] A. Widianto, A. S. Baskoro, and G. Kiswanto, "Investigation on Weld Characteristic , Welding Position , Microstructure , and Mechanical Properties in Orbital Pulse Current Gas Tungsten Arc Welding of AISI 304L Stainless Steel Pipe," vol. 13, no. May 2019, pp. 473–483, 2022, doi: 10.14716/ijtech.v13i3.3134.
- [14] S. P. Shrivastava, S. K. Vaidya, A. K. Khandelwal, and A. K. Vishvakarma, "Investigation of TIG welding parameters to improve strength," *Mater. Today Proc.*, vol. 26, no. August, pp. 1897–1902, 2020, doi: 10.1016/j.matpr.2020.02.416.
- [15] S. Sirohi *et al.*, "Helium Dissimilar autogenous TIG joint of Alloy 617 and AISI 304H steel for AUSC application," *Heliyon*, vol. 9, no. 9, p. e19945, 2023, doi: 10.1016/j.heliyon.2023.e19945.
- [16] A. Basit *et al.*, "Enhancing TIG Welding Parameters For Direct Tensile Load (DT-load) On Various Steel Thicknesses," vol. 22, no. 1, pp. 112–119, 2024.
- [17] BPOM RI, *Peraturan Badan Pengawas Obat dan Makanan Nomor 31 Tahun 2020 Tentang Perubahan Atas Peraturan Badan Pengawas Obat dan Makanan Nomor 25 Tahun 2019 Tentang Pedoman Cara Pembuatan Kosmetika Yang Baik*, vol. 11. indonesia, 2020, pp. 1–16.
- [18] J. Standards, *JIS G 4305*. Translated and Published by Japanese Standards Association, 2012.
- [19] ANSI/AWS, "Specification for Tungsten and Tungsten-Alloy Electrodes for Arc Welding and Cutting," in *ANSI/AWS A5.12/A5.12M-98*, American National Standard, 1998.
- [20] M. Krinninger, F. Steinlehner, D. Opritescu, R. Golle, and W. Volk, "On the Influence of Different Parameters on the Characteristic Cutting Surface when Shear Cutting Aluminum," *Procedia CIRP*, vol. 63, pp. 230–235, 2017, doi: 10.1016/j.procir.2017.03.156.
- [21] S. Sukarman *et al.*, "Tensile shear load in resistance spot welding of dissimilar metals: An optimization study using response surface methodology," *Mech. Eng. Soc. Ind.*, vol. 3, no. 2, pp. 66–77, 2023, doi: 10.31603/mesi.9606.
- [22] ASME, "Part A Ferrous Material Specifications (Beginning to SA-450)," 2010.
- [23] F. A. Ghazali *et al.*, *Three Response Optimization of Spot-Welded Joint Using Taguchi Design and Response Surface Methodology Techniques*, vol. 0. Springer Singapore, 2019. doi: 10.1007/978-981-10-9041-7_7.
- [24] T. Das, R. Das, and J. Paul, "Resistance spot welding of dissimilar AISI-1008 steel/Al-1100 alloy lap joints with a graphene interlayer," *J. Manuf. Process.*, vol. 53, no. January, pp. 260–274, 2020, doi: 10.1016/j.jmapro.2020.02.032.
- [25] H. Jeong, K. Park, Y. Kim, D. Y. Kim, M. J. Kang, and J. Cho, "Numerical analysis of weld pool for galvanized steel with lap joint in GTAW," *J. Mech. Sci. Technol.*, vol. 31, no. 6, pp. 2975–2983, 2017, doi: 10.1007/s12206-017-0541-2.
- [26] H. Heydari and M. Akbari, "Investigating the effect of process parameters on the temperature field and mechanical properties in pulsed laser welding of Ti6Al4V alloy sheet using response surface methodology," *Infrared Phys. Technol.*, vol. 106, p. 103267, 2020, doi: 10.1016/j.infrared.2020.103267.

- [27] S.- Sukarman and A. Abdulah, "Optimasi Single Response Proses Resistance Spot Welding Pada Penggabungan Baja Beda Material Menggunakan Metode Eksperimental Taguchi," *Multitek Indones.*, vol. 14, no. 2, pp. 69–79, 2020, doi: 10.24269/mtkind.v14i2.3076.
- [28] S. Sukarman, A. Abdulah, A. D. Shieddieque, N. Rahdiana, and K. Khoirudin, "Optimization of the Resistance Spot Welding Process of Secc-Af and Sgcc Galvanized Steel Sheet Using the Taguchi Method," *Sinergi*, vol. 25, no. 3, p. 319, 2021, doi: 10.22441/sinergi.2021.3.9.
- [29] N. Den Uijl, F. Azakane, S. Kilic, and V. Docter, "Performance of tensile tested resistance spot and laser welded joints at various angles," *Weld. World*, vol. 56, no. 11–12, pp. 143–152, 2012, doi: 10.1007/BF03321404.
- [30] A. Armansyah and H. H. Chie, "OPTIMIZATION OF PROCESS PARAMETERS ON TENSILE SHEAR LOAD OF FRICTION STIR SPOT WELDED ALUMINUM ALLOY (AA5052-H112)," *SINERGI*, vol. 22, no. 3, p. 185, 2018, doi: 10.22441/sinergi.2018.3.007.
- [31] K. Kobayash *et al.*, "Practical application of high efficiency twin-arc TIG welding method (sedar-TIG) for PCLNG storage tank," *Weld. World*, vol. 48, no. 7–8, pp. 35–39, 2004, doi: 10.1007/bf03266441.
- [32] M. Ragavendran, N. Chandrasekhar, R. Ravikumar, R. Saxena, M. Vasudevan, and A. K. Bhaduri, "Optimization of hybrid laser – TIG welding of 316LN steel using response surface methodology (RSM)," *Opt. Lasers Eng.*, vol. 94, no. November 2016, pp. 27–36, 2017, doi: 10.1016/j.optlaseng.2017.02.015.
- [33] A. P. Siswanto, M. E. Yulianto, D. Handayani, M. M. Faisal, O. K. Wardani, and D. Kuvshinov, "Response surface methodology for synthesis of bio-jet fuel from waste cooking oil using agitated ozone treatment," *Mater. Today Proc.*, vol. 63, pp. S346–S348, 2022, doi: 10.1016/j.matpr.2022.03.274.
- [34] S. Prabha, D. Durgalakshmi, S. Rajendran, and E. Lichtfouse, "Plant-derived silica nanoparticles and composites for biosensors, bioimaging, drug delivery and supercapacitors: a review," *Environ. Chem. Lett.*, vol. 19, no. 2, pp. 1667–1691, 2021, doi: 10.1007/s10311-020-01123-5.
- [35] N. Rahdiana and A. Suhara, "Optimization of S-EDM Process Parameters on Material Removal Rate Using Copper Electrodes," *J. Polimesin*, vol. 21, no. 1, pp. 17–20, 2023.
- [36] Sukarman, C. Anwar, N. Rahdiana, Khoirudin, and A. I. Ramadhan, "Analisis Pengaruh Radius Dies Terhadap Springback Logam Lembaran Stainless-Steel Pada Proses Bending Hidrolik V-Die," *Junal Teknol.*, vol. 12, no. 2, 2020.
- [37] Sukarman, A. D. Shieddieque, C. Anwar, N. Rahdiana, and A. I. Ramadhan, "Optimization of powder coating process parameters in mild steel (spcc-sd) to improve dry film thickness," *J. Appl. Eng. Sci.*, vol. 19, no. 2, pp. 475–482, 2021, doi: 10.5937/jaes0-26093.
- [38] P. Muthu, "Optimization of the process parameters of resistance spot welding of AISI 316l sheets using Taguchi method," *Mech. Mech. Eng.*, vol. 23, no. 1, pp. 64–69, 2019, doi: 10.2478/mme-2019-0009.
- [39] Sukarman *et al.*, "Optimal Tensile-Shear Strength of Galvanized/Mild Steel (Spcc-Sd) Dissimilar Resistance Spot Welding Using Taguchi Doe," *J. Teknol.*, vol. 85, no. 4, pp. 167–177, 2023, doi:

- 10.11113/jurnalteknologi.v85.17193.
- [40] H. Arjmandi, P. Amiri, and M. Saffari Pour, "Geometric optimization of a double pipe heat exchanger with combined vortex generator and twisted tape: A CFD and response surface methodology (RSM) study," *Therm. Sci. Eng. Prog.*, vol. 18, p. 100514, 2020, doi: 10.1016/j.tsep.2020.100514.
- [41] P. G. Mathews, *Design of Experiments with MINITAB*, vol. 60, no. 2. 2005. doi: 10.1198/tas.2006.s46.
- [42] R. Al-Sabur, "Tensile strength prediction of aluminium alloys welded by FSW using response surface methodology - Comparative review," *Mater. Today Proc.*, vol. 45, no. xxxx, pp. 4504–4510, 2021, doi: 10.1016/j.matpr.2020.12.1001.
- [43] T. Endramawan and A. Sifa, "Non Destructive Test Dye Penetrant and Ultrasonic on Welding SMAW Butt Joint with Acceptance Criteria ASME Standard," *IOP Conf. Ser. Mater. Sci. Eng.*, vol. 306, no. 1, 2018, doi: 10.1088/1757-899X/306/1/012122.
- [44] V. Kotu and B. Deshpande, *Data Science*. 2019. doi: 10.1016/c2017-0-02113-4.
- [45] D. Nettleton, "Selection of Variables and Factor Derivation," *Commer. Data Min.*, pp. 79–104, 2014, doi: 10.1016/b978-0-12-416602-8.00006-6.

